

z/OS  
3.2

*MVS System Messages Volume 8 (IEF -  
IGD)*



**Note**

Before using this information and the product it supports, read the information in [“Notices” on page 1687](#).

This edition applies to IBM® z/OS® 3.2 (5655-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Contents

|   |      |
|---|------|
| About this document.....                          | v    |
| How to provide feedback to IBM.....               | ix   |
| Summary of changes.....                           | xi   |
| Chapter 1. Introduction.....                      | 1    |
| Chapter 2. IEF messages.....                      | 29   |
| Chapter 3. IEFA messages.....                     | 441  |
| Chapter 4. IEFAH messages.....                    | 487  |
| Chapter 5. IEFC messages.....                     | 491  |
| Chapter 6. IEFE messages.....                     | 571  |
| Chapter 7. IEFI messages.....                     | 573  |
| Chapter 8. IEFJ messages.....                     | 579  |
| Chapter 9. IEH messages.....                      | 603  |
| Chapter 10. IEW messages (IEW0000 - IEW0999)..... | 697  |
| Chapter 11. IEW messages (IEW1001 - IEW1999)..... | 757  |
| Chapter 12. IEW messages (IEW2001 - IEW2999)..... | 777  |
| Chapter 13. IEW messages (IEW3000 - IEW3999)..... | 1035 |
| Chapter 14. IEW messages (IEW4000 - IEW4999)..... | 1043 |
| Chapter 15. IEW messages (IEW5000 - IEW5057)..... | 1053 |
| Chapter 16. IEW messages.....                     | 1075 |
| Chapter 17. IFA messages.....                     | 1085 |
| Chapter 18. IFB messages.....                     | 1227 |
| Chapter 19. IFC messages.....                     | 1249 |
| Chapter 20. IGD messages.....                     | 1253 |

|                                       |             |
|---------------------------------------|-------------|
| <b>Chapter 21. IGDH messages.....</b> | <b>1681</b> |
| <b>Appendix A. Accessibility.....</b> | <b>1685</b> |
| <b>Notices.....</b>                   | <b>1687</b> |
| <b>Index.....</b>                     | <b>1691</b> |

## About this document

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*MVS System Messages* primarily describe messages that are issued to the system operator at the system console and system messages that are logged. The following messages are included:

- Operator messages that are issued by the BCP and DFSMS.
- Log messages that are issued by the BCP and DFSMS.
- Some SYSOUT messages that are issued by the BCP and DFSMS. SYSOUT messages are issued by utilities that normally run in batch, such as SPZAP.
- Batch job messages that are issued by the BCP.

Usually, messages that are issued at interactive terminals (like TSO/E and CICS® terminals) are documented by the specific elements and products that support those terminals.

The titles of the *MVS System Messages* indicate the range of message prefixes in the documents:

- [\*z/OS MVS System Messages, Vol 1 \(ABA-AOM\)\*](#)
- [\*z/OS MVS System Messages, Vol 2 \(ARC-ASA\)\*](#)
- [\*z/OS MVS System Messages, Vol 3 \(ASB-BPX\)\*](#)
- [\*z/OS MVS System Messages, Vol 4 \(CBD-DMO\)\*](#)
- [\*z/OS MVS System Messages, Vol 5 \(EDG-GLZ\)\*](#)
- [\*z/OS MVS System Messages, Vol 6 \(GOS-IEA\)\*](#)
- [\*z/OS MVS System Messages, Vol 7 \(IEB-IEE\)\*](#)
- [\*z/OS MVS System Messages, Vol 8 \(IEF-IGD\)\*](#)
- [\*z/OS MVS System Messages, Vol 9 \(IGF-IWM\)\*](#)
- [\*z/OS MVS System Messages, Vol 10 \(IXC-IZP\)\*](#)

Some of the other types of message information include the following titles.

- [\*z/OS MVS Dump Output Messages\*](#)
- [\*z/OS MVS System Codes\*](#)
- [\*z/OS and z/VM HCD Messages\*](#)
- [\*z/OS TSO/E Messages\*](#)
- [\*z/OS UNIX System Services Messages and Codes\*](#)

For a list of message information that is sorted by message prefix, see [Introduction](#) in *z/OS MVS System Messages, Vol 1 (ABA-AOM)*.

This information also contains the routing and descriptor codes that IBM assigns to the messages that z/OS components, subsystems, and products issue. Routing and descriptor codes are specified by the ROUTCDE and DESC keyword parameters on WTO and WTOR macros, which are the primary methods that programs use to issue messages. The routing code identifies where a message is displayed. The descriptor code identifies the significance of the message and the color of the message on operator consoles with color.

## Who uses MVS System Message information

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*MVS System Messages* are for programmers who receive messages from the system. Usually, these people are system operators, system programmers, and application programmers who do any of the following tasks.

- Initialize the operating system and its subsystems.
- Monitor system activity.

- Keep the system correctly running.
- Diagnose and correct system problems.
- Diagnose and correct errors in problem programs.

## A method for finding changes to MVS and TSO/E messages

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Automation routines are sensitive to changes to message text. Data set SYS1.MSGENU can help you identify message additions and changes so you know whether to update your automation routines when you upgrade.

IBM supplies a data set, SYS1.MSGENU, that contains the text of system messages in the form of message skeletons. Only system messages that are translated are included, so the following message types are not included.

- MVS system messages that are not translated, such as IPL and NIP messages, because these messages are issued before the MVS message service is available.
- Other product messages that are not translated, such as DFSMS and JES3 messages.

For more information about message skeletons, see [z/OS MVS Planning: Operations](#).

After you install the SYS1.MSGENU data set, you can compare the new data set with the data set on the system from which you are upgrading. Depending on how you conduct the comparison, you receive output that resembles that in the following samples.

For new messages, the output might show an I (for Insert) to the left of the message ID. For example:

```
I - IEA403I VALUE OF RMAX HAS BEEN CHANGED TO 99
```

For messages with changed text, the output might show two entries, one with an I and one with a D each to the left of the message ID, indicating that a record in the message file was replaced (Deleted and then Inserted). For example:

```
I - IEE162I 46 &NNN ROLL &A MESSAGES (DEL=R OR RD)
D - IEE162I 46 &NNN ROLL &A MESSAGES (DEL=R, RD)
```

This example indicates that (DEL=R, RD) was replaced by (DEL=R OR RD) in message IEE162I.

Using this information, you can determine whether you need to change your automation routines.

## How to use message information

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The system messages contain descriptions of messages. For details about z/OS message formats, prefix by component, descriptions, and more see the "Introduction" section in [z/OS MVS System Messages, Vol 1 \(ABA-AOM\)](#).

## Where to find more information

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This information explains how z/OS references information in other documents and on the web.

When possible, this information uses cross-document links that go directly to the topic in reference using shortened versions of the document title. For complete titles and order numbers of the documents for all products that are part of z/OS, see [z/OS Information Roadmap](#).

To find the complete z/OS library, including the IBM Documentation for z/OS, see the following resources.

[z/OS Internet library \(www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary\)](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)  
[IBM Documentation \(www.ibm.com/docs/en/zos\)](http://www.ibm.com/docs/en/zos)

Many message descriptions refer to the following terms. You need to consult the reference listed below for more information:

- **Data areas and control blocks:** See *z/OS MVS Data Areas* in the *z/OS Internet library* ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)) or *IBM Documentation* ([www.ibm.com/docs/en/zos](http://www.ibm.com/docs/en/zos)).
- **Dumps:** For examples of ABEND, stand-alone, and SVC dumps and how to read them, see *z/OS MVS Diagnosis: Tools and Service Aids*. For examples of component output from dumps and how to read and request it, see *z/OS MVS Diagnosis: Reference*.
- **Identification of a component, subsystem, or product:** See the *z/OS MVS Diagnosis: Reference* to identify the component, subsystem, or product from the name of an IBM module or for a macro. The module prefix and macro tables give the program identifier to be used in a PIDS symptom in a search argument.
- **System completion and wait state codes:** See *z/OS MVS System Codes*.
- **Logrec data set error records:** For the formatted records, see *z/OS MVS Diagnosis: Reference*.
- **Trace output:** For the formats and the meaning of the information in the generalized trace facility (GTF) trace, instruction address trace, master trace, system trace, and component trace, see *z/OS MVS Diagnosis: Tools and Service Aids*.
- **Hardware:** Use the appropriate *Principles of Operation* document for the hardware you have installed.

## Where to find the most current message information

The MVS System Messages documents are cumulative. As messages are added to the system, they are added to the documents. Similarly, when messages are changed on the system, they are changed in the documents. However, when a message is deleted from the system (no longer issued), the message is **not** deleted from the document. You can always look in the most recent message information for the descriptions of all system messages.

To find the most current edition of a message or document, see the following resources.

*z/OS Internet library* ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary))  
*IBM Documentation* ([www.ibm.com/docs/en/zos](http://www.ibm.com/docs/en/zos))





## How to provide feedback to IBM

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We welcome any feedback that you have, including comments on the clarity, accuracy, or completeness of the information. For more information, see [How to send feedback to IBM](#).



## Summary of changes

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This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line to the left of the change.

**Note:** IBM z/OS policy for the integration of service information into the z/OS product documentation library is documented on the z/OS Internet Library under [IBM z/OS Product Documentation Update Policy](http://www.ibm.com/docs/en/zos/latest?topic=zos-product-documentation-update-policy) ([www.ibm.com/docs/en/zos/latest?topic=zos-product-documentation-update-policy](http://www.ibm.com/docs/en/zos/latest?topic=zos-product-documentation-update-policy)).

## Summary of message changes for z/OS 3.2

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The following messages are new, changed, or no longer issued for z/OS MVS System Messages, Vol 8 (IEF-IGD) in z/OS 3.2.

### Message changes for z/OS 3.2

#### New

The following messages are new.

IEF387I  
IEF388A  
IGD418I  
IGD419I

#### Changed

The following messages are changed.

IEF352I

#### Deleted

The following messages are no longer issued.

None.

## Summary of message changes for z/OS 3.1

---

The following messages are new, changed, or no longer issued for z/OS MVS System Messages, Vol 8 (IEF-IGD) in z/OS 3.1.

### Message changes for z/OS 3.1

#### New

The following messages are new.

IEF864I  
IEFA182I  
IEW2577E  
IFA740E  
IGD420I  
IGD17297I

## **Changed**

The following messages are changed.

IEF043I  
IEF233A  
IEF233D  
IEF234E  
IEF238D  
IEF356I  
IEF455D  
IEW2456E  
IFA705I  
IFA707I  
IFA742I  
IFA900I  
IGD402I  
IGD999I  
IGD01001I  
IGD01010I  
IGD01013I  
IGD17157I  
IGD17169I  
IGD17245I  
IGD17269I  
IGD17274I  
IGD17279I  
IGD412I  
IGD416I

## **Deleted**

The following messages are no longer issued.

IEF117I

---

# Chapter 1. Introduction

The z/OS operating system issues messages from z/OS elements and features, and from program products and application programs running on the system. The system issues messages in different ways and to different locations:

- **WTO and WTOR macros:** Most messages are issued through WTO and WTOR macros to one of the following locations:

- Console
- Operations log(OPERLOG)
- System log (SYSLOG)
- Job log
- SYSOUT data set

Routing codes determine where the messages are displayed or printed. The routing codes for messages issued by the operating system are included with each message.

- **WTL macro or the LOG operator command:** Some messages are issued through the WTL macro or the LOG operator command to the system log (SYSLOG).
- **Dumping services routines:** Dump messages are issued through the Dumping services routines and can appear in one of the following locations:

- SVC dumps, stand-alone dumps, or SYSMDUMP ABEND dumps formatted by the interactive problem control system (IPCS)
- Trace data sets formatted by the interactive problem control system (IPCS)
- ABEND dumps or SNAP dumps produced by the dumping services

In dump or trace data sets formatted by IPCS, the messages appear interactively on a terminal or in a printed dump.

- **DFSMS access methods:** Some messages are issued through DFSMS access methods directly to one of the following locations:
- Output data set
- Display terminal

Messages are sent to different locations to meet some specific needs. For example, messages routed to a console usually shows the result of an operator command and sometimes require an operator reply, while messages recorded in the hardcopy log permanently are often used for auditing. Understanding the locations where you receive messages can help you manage your message flow.

## Console

Messages sent to a multiple console support (MCS) console, an SNA multiple console support (SMCS) console, an extended MCS (EMCS) console, or an HMC multiple console support (HMCS) console are intended for the operators. Operations can control which messages are displayed. See *z/OS MVS Planning: Operations* for information about controlling message display.

The system writes all messages sent to a console, whether or not the message is displayed, to the hard-copy log.

## Operations log

The operations log (OPERLOG) records all message traffic from each system in a sysplex that activates the OPERLOG. The operations log consists of the following data:

- Messages to and from all consoles
- Commands and replies entered by the operator

### System log

The system log (SYSLOG) is a SYSOUT data set that stores the messages and commands from the current system. SYSOUT data sets are output spool data sets on direct access storage devices (DASD) provided by the job entry subsystem (either JES2 or JES3). An installation usually prints the system log periodically. The system log consists of:

- All messages issued through WTL macros
- All messages entered by operator LOG commands
- Usually, the hard-copy log
- Any messages routed to the system log from any system component or program

### Job log

Messages sent to the job log are intended for the programmer who submitted a job. The job log is specified in the system output class on the MSGCLASS parameter of the JCL JOB statement.

### SYSOUT data set

Messages sent to a SYSOUT data set are intended for a programmer. These messages are issued by an assembler or compiler, the linkage editor and loader, and an application program. If the SYSOUT data set and the MSGCLASS parameter on the JCL JOB statement specify the same class, all messages about a program will appear in the same SYSOUT listing.

## Message format

---

A displayed or printed message can appear by itself or with other information, such as a time stamp. The following topics show the format of the message body and the formats of accompanying information when the message is sent to various locations.

### Format of the message body

The message body consists of three parts: the reply identifier (optional), the message identifier, and the message text. The following formats are possible:

```
id CCCnnn text
id CCCnnns text
id CCCnnnnns text
id CCCnnnnns text
id CCCSnnns text
```

#### id

Reply identifier: It is optional. It appears if an operator reply is required. The operator specifies it in the reply.

#### CCCnnn, CCCnnns, CCCnnnnns, CCCnnnnns, CCCSnnns

Message identifier.

#### CCC

A prefix to identify the component, subsystem, or product that produced the message. The prefix is three characters.

#### S

The subcomponent identifier, which is an optional addition to the prefix to identify the subcomponent that produced the message. The subcomponent identifier is one character.

#### nnn, nnnn, nnnnn

A serial number to identify the individual message. The serial number is three, four, or five decimal digits.

#### s

An optional type code, which is one of the following:

#### A

**Immediate Action:** System operator action is always immediately required. A system operator must do something now, such as mount a tape cartridge or attach a DASD.

The associated task does not continue until the requested action has been taken.

#### **D**

**Immediate Decision:** System operator decision/action is always immediately required. All system messages issuing the “D” type code must enumerate the available options. A system operator must make a decision now by selecting a reply from the enumerated options and responding to the system immediately.

The associated task does not continue until the operator communicates the decision to the system.

#### **E**

**Eventual action:** System operator action will be required. A system operator must eventually an appropriate action.

The associated task continues independent of system operator action.

#### **I**

**Information:** System operator action is not required. Communication in this category is for advisory purposes and may provoke system operator action.

The associated task continues independent of system operator action.

#### **S**

**Severe error:** Severe error messages are for a system programmer.

#### **T**

**Terminate:** The IEBCOPY program terminates.

#### **W**

**System Wait:** System operator action is always required immediately. A system catastrophe has occurred (hardware or software or both). The system must be re-IPLed to continue or a major subsystem must be re-started.

#### **text**

Text: The text provides information, describes an error, or requests an operator action.

**Note:** The following messages have special format for the message body. Refer to the specific message topics for details.

- ADR messages
- CNL messages
- EWX messages
- IDA messages
- IEW messages
- IGW01 messages

## **Messages sent to HMCS, MCS, and SMCS consoles**

Messages sent to HMCS, MCS, and SMCS consoles appear in one of the following formats:

```
f hh.mm.ss sysname jobname message
f hh.mm.ss sysname message
f hh.mm.ss jobname message
f hh.mm.ss message
f sysname jobname message
f sysname message
f jobname message
f message
```

#### **f**

A screen character to indicate the status of certain messages, as follows:

- | The operator has performed the action required for the message. The message has been deleted.
- The message is for information only; no operator action is required. The message was issued by the system or by a problem program.
- \* The message requires specific operator action and was issued by a WTOR or by an authorized program. The message has a descriptor code of 1, 2, or 11.
- @ The message requires specific operator action and was issued by a WTOR or by a problem program. The message has a descriptor code of 1, 2, or 11.
- + The message requires no specific operator action and was issued by a problem program using a WTO macro.

**blank**

The message requires no specific operator action.

**hh.mm.ss**

Time stamp: the hour (00-23), minute (00-59), and second (00-59).

**sysname**

System name for the system that issued the message.

**jobname**

Job name for the task that issued the message. This field is blank if a job did not issue the message.

**message**

Reply identifier, message identifier, and text.

## Messages sent to hardcopy log in JES2 system

Multiple console support (MCS) handles message processing in:

- A JES2 system
- A JES3 system on a local processor
- A JES3 system on a global processor, if JES3 has failed

MCS sends messages with routing codes 1, 2, 3, 4, 7, 8, and 10 to the hardcopy log when display consoles are used or more than one console is active. All other messages can be routed to the hard-copy log by a system option or a VARY HARDCPY operator command.

Messages sent to the hardcopy log appear in the format:

|   |          |         |       |             |       |          |         |
|---|----------|---------|-------|-------------|-------|----------|---------|
| t | cccccccc | sysname | yyddd | hh:mm:ss.th | ident | msgflags | message |
| t |          |         |       |             |       |          | message |
| t |          |         |       |             | lid   |          | message |

**t**

The first character on the line indicates the record type:

**D**

Data line of a multiple-line message; this line may be the last line of the message.

**E**

End line or data-end line of a multiple-line message.

**L**

Label line of a multiple-line message.

**M**

First line of a multiple-line message.

**N**

Single-line message that does not require a reply.



**O**

Operator LOG command.

**S**

Continuation of a single-line message or a continuation of the first line of a multi-line message. This continuation may be required because of the record length for the output device.

**W**

A message that requires a reply.

**X**

A log entry that did not originate with a LOG command or a system message.

**c**

The second character on the line indicates whether the line was generated because of a command:

**C**

Command input.

**R**

Command response.

**I**

Command issued internally. The job identifier contains the name of the internal issuer.

**blank**

Neither command input nor command response.

**rrrrrrr**

Hexadecimal representation of the routing codes 1 through 28. To understand this hexadecimal number, convert it to binary; each binary 1 represents a routing code. For example, X'420C' represents routing codes 2, 7, 13, and 14, as shown in the following example:

|                |         |         |            |             |
|----------------|---------|---------|------------|-------------|
| Hexadecimal:   | 4       | 2       | 0          | C           |
| Binary:        | 0 1 0 0 | 0 0 1 0 | 0 0 0 0    | 1 1 0 0     |
| Routing Codes: | 1 2 3 4 | 5 6 7 8 | 9 10 11 12 | 13 14 15 16 |

**sysname**

The system name from the SYSNAME parameter in parmlib.

**yyddd**

The Julian date, given as the year (00-99) and the day of the year (000-366).

**Note:** If HCFORMAT(CENTURY) is specified in the CONSOLxx parmlib member, the Julian date appears as *yyyyddd*.

**hh:mm:ss.th**

Time stamp, given as the hour (00-23), minute (00-59), second (00-59), and hundredths of a second (00-99).

**ident**

The job identifier for the task that issued the message, if the second character on the line is blank.

If the second character on the line is C or R, this field contains one of the following:

**jobid**

The job identifier of the task that issued the message, if it was issued by a job.

**consname**

Console name of the console which issued the command or received the message.

**INTERNAL**

For a command generated by a problem program or the system.

**INSTREAM**

For a command read from the input stream.

**blank**

If MCS could not determine the source or destination for the message.

**lid**

Multiple-line identifier for the second and succeeding lines of a multiple-line message. This field appears after the message text (1) on the first line or (2) in the message area and is not followed by text on a continuation of the first line. The identifier appears on all lines of the same message.

**msgflags**

Installation exit and message suppression flags. For information about the description of the hardcopy log message flags, see the HCL data area in *z/OS MVS Data Areas Volume 1 (ABE - IAR)* in the *z/OS* Internet library ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)).

**message**

Reply identifier, message identifier, and text. The reply identifier and message identifier appear only on the first line of a multiple-line message.

## Messages sent to hardcopy log in JES3 system

Messages sent to the JESMSG hardcopy log in a JES3 system appear in the format:

```
hh:mm:ss message
```

Messages sent to the MLOG/DLOG hardcopy log appear in the format:

```
dest console yyddd hhmsstia[prefix] message
```

**dest**

JES3 destination class, which corresponds to the MVS routing code.

**console**

JES3 or MVS console name, as follows:

**blank**

For a message issued without a console name.

**nnnnn**

The JES3 console name (JNAME) from the JES3 initialization stream. This applies to remote consoles only.

**cnname**

The MCS console name, as specified on the NAME(cnname) parameter under the CONSOLE definition in SYS1.PARMLIB(CONSOLxx).

**INTERNAL**

For a command generated by a problem program or operating system routine.

**NETWORK**

For a message issued to the network job entry (NJE) console.

**yyddd**

The Julian date, given as the year (00-99) and the day of the year (000-366).

**Note:** If HCFORMAT(CENTURY) is specified in the CONSOLxx parmlib member, the Julian date appears as *yyyddd*.

**hhmsst**

Time stamp, given as the hour (00-23), minute (00-59), second (00-59), and tenth of a second (0-9).

**i**

Attention indicator for JES3 space constraints, as follows:

**blank**

Normal output or no action required.

**#**

The message is rerouted automatically or by a command from another console.

- % Minimum space (track) situation (JSAM).
- = Marginal space (track) situation (JSAM).
- < Minimum buffer situation (JSAM).

**Note:** These four symbols can be changed by a CONSTD statement in the JES3 initialization stream.

**a**

Action prefix character, as follows:

**blank**

Normal message.

**+**

JES3 input command, issued on the global processor.

**-**

MVS input command, issued on the global processor.

Operator action required.

**prefix**

**sysname R=jobname** Optional prefix for messages issued outside the JES3 address space or on a local processor, as follows:

**sysname**

The name of the system where the issuing program is running. JES3 determines the name from the ID parameter on the MAINPROC statement in the JES3 initialization stream.

**jobname**

The job name of the issuing program. It is all blanks for an system routine.

**message**

Reply identifier, message identifier, and text.

## Messages sent to the job log, to other data sets, and to display terminals

Messages sent to the job log, to other data sets, and to display terminals appear in the format designed by the program that issued them.

## Truncated data in multi-line messages

Under any one of the following conditions, the system might need to truncate a multi-line message:

- When a message is being transported from one system to another in a sysplex, the sending or receiving system might encounter an error that prevents some or all of the message text from appearing. This can be caused by any of the following:
  - The issuing system is stopped or quiesced.
  - The issuing system fails to end a multi-line message.
  - The issuing system has an XCF buffer shortage.
  - A disruption occurs in sysplex communication.
  - An error occurs on the receiving system.

One of the following messages can appear within the message text, indicating such an error:

```
LOSS OF DATA - MESSAGE COMPLETION FORCED
LOSS OF INTERMEDIATE MESSAGE DATA
```

- When no data line or endline has been issued for a multi-line message after an interval of thirty seconds, the system issues the following endline:

MESSAGE TIMED OUT - MESSAGE COMPLETION FORCED

- When a connect request exceeds the limit of 65533 lines, the system truncates the message with the following text:

EXCEEDED LINE LIMIT - MESSAGE COMPLETION FORCED

- When a multi-line message is issued with no end line, and it is not possible for the system to obtain space to temporarily store the message, the system truncates the message with the following text:

CONNECT UNAVAILABLE - MESSAGE COMPLETION FORCED

- When a multi-line connect request is issued, and the system is unable to obtain space to store the connecting lines, the system truncates the message with the following text:

CONNECT UNSUCCESSFUL - MESSAGE COMPLETION FORCED

- When a message is too long to fit into 80% of the Console message cache, the system truncates the message with the following text:

MESSAGE TRUNCATED FOR CONSOLE MESSAGE CACHE

- When there is a shortage of WTO buffers for display on MCS consoles, the screen display may be truncated with one of the following lines of text:

NUMBER OF LINES EXCEEDED MLIM - MESSAGE TRUNCATED  
STORAGE CONSTRAINT - MESSAGE TRUNCATED

## Message description

---

The following topics describe the different message description items, and in particular, the routing and descriptor codes.

### Description items

The message explanation information is presented by the following items:

#### Explanation

The meaning of the message, including why the system issued the message.

#### System Action

- What the system did as a result of the system condition reported by the message. A system condition could include running out of storage, a hardware or software failure, an abend, a wait state.
- What the system did as a result of user input. User input can include a system command, a job running on the system, a transaction, a query, or another user-system interaction.

#### Operator Response

Instructions for the system operator, including, as appropriate, decisions to make and actions to take. Only provided for messages that could appear at the operator console.

#### User Response

Instructions for the end user. Only provided for messages that could appear at an interactive interface such as a TSO/E terminal or ISPF application.

**Note:** Most user messages are explained in other message topics, such as in *z/OS TSO/E Messages*.

#### Application Programmer Response

Instructions for an application programmer. Only provided for messages that could appear in SYSOUT produced by a job, for example SPZAP.

**System Programmer Response**

Instructions for the system programmer. Only provided for messages that require additional action beyond the operator response, user response, or application programmer response.

**Storage Administrator Response**

Instructions for the DFSMSdfp storage administrator.

**Security Administrator Response**

Instructions for the security administrator. Only provided for security-related messages.

**Problem Determination**

Additional instructions for determining the cause of the problem, searching problem databases, and, if necessary, reporting the problem to the IBM support center. These instructions are for a customer support person who can troubleshoot problems, such as the system programmer or system administrator, an experienced security administrator, or an experienced storage administrator.

For additional information on performing problem determination procedures, see *z/OS Problem Management* and the appropriate diagnosis guide for the product or element issuing the message, such as:

- *z/OS DFSMS or MVS diagnosis guides and reference material*
- *[z/OS JES2 Diagnosis](#)*

**Source**

Element, product, or component that issued the message.

**Detecting Module**

Name of the module or modules that detected the condition that caused the message to be issued.

**Routing Code**

For WTO or WTOR messages, the routing code of the message. See the topic, "Routing codes," for more information about the code meaning.

**Descriptor Code**

For WTO or WTOR messages, the descriptor code of the message. See the topic, "Descriptor codes," for more information about the code meaning.

## Routing codes

Routing codes send system messages to the consoles where they are to be displayed. More than one routing code can be assigned to a message to send it to more than one console. For more information on message routing, see the following topics:

- *z/OS MVS Programming: Authorized Assembler Services Guide*
- *z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO*
- *z/OS MVS Installation Exits*
- *z/OS MVS Initialization and Tuning Reference*

## Specifying routing codes

The routing codes are specified in the ROUTCDE parameter of the WTO or WTOR macro. If you specify a message which contains no routing codes, MVS may provide one or more default routing codes, based upon the presence or lack of other queuing specifications.

If you specify a message containing descriptor codes but no routing codes and no target console, MVS will not assign any routing codes and will write the message to the hardcopy log.

If you specify a message containing no routing codes, no descriptor codes, and no target console, MVS will assign a default set of routing codes. This set of default routing codes is specified at MVS initialization on the DEFAULT statement in your CONSOLxx parmlib member. If a set of default routing codes was not provided on the DEFAULT statement, MVS will assign routing codes 1 through 16.

## Routing code meaning

Routing codes appear within the associated message. The routing code field can contain the following numeric values, special characters, or notes:

### Code

#### Meaning

1

**Operator Action** The message indicates a change in the system status. It demands action by a primary operator.

2

**Operator Information** The message indicates a change in system status. It does not demand action; rather, it alerts a primary operator to a condition that might require action. This routing code is used for any message that indicates job status when the status is not requested specifically by an operator inquiry. It is also used to route processor and problem program messages to the system operator.

3

**Tape Pool** The message gives information about tape devices, such as the status of a tape unit or reel, the disposition of a tape reel, or a request to mount a tape.

4

**Direct Access Pool** The message gives information about direct access storage devices (DASD), such as the status of a direct access unit or volume, the disposition of a volume, or a request to mount a volume.

5

**Tape Library** The message gives tape library information, such as a request by volume serial numbers for tapes for system or problem program use.

6

**Disk Library** The message gives disk library information, such as a request by volume serial numbers for volumes for system or problem program use.

7

**Unit Record Pool** The message gives information about unit record equipment, such as a request to mount a printer train.

8

**Teleprocessing Control** The message gives the status or disposition of teleprocessing equipment, such as a message that describes line errors.

9

**System Security** The message gives information about security checking, such as a request for a password.

10

**System/Error Maintenance** The message gives problem information for the system programmer, such as a system error, an uncorrectable I/O error, or information about system maintenance.

11

**Programmer Information** This is commonly referred to as write to programmer (WTP). The message is intended for the problem programmer. This routing code is used when the program issuing the message cannot route the message to the programmer through a system output (SYSOUT) data set. The message appears in the JESYSMSG data set.

12

**Emulation** The message gives information about emulation. (These message identifiers are not included in this publication.)

13-20

For customer use only.

21-28

For subsystem use only.

**29**

Disaster recovery.

**30-40**

For IBM use only.

**41**

The message gives information about JES3 job status.

**42**

The message gives general information about JES2 or JES3.

**43-64**

For JES use only.

**65-96**

Messages associated with particular processors.

**97-128**

Messages associated with particular devices.

**\***

The message will be routed back to the consoles that initiated the associated requests.

**/**

The message will be routed to different locations according to the task issuing it. For example, \*/2/3 means the message is routed back to the console that initiated the request, to a primary operator, or to the tape pool.

**#**

The message will be routed in one of the following ways:

- According to the routing indicators specified by the operator
- According to the default routing instructions previously specified by the operator
- Back to the console that initiated the associated request

**—**

The message has no routing code.

**N/A**

A routing code is not applicable for the message.

**Note 2**

The message is issued by a WTO or WTOR macro, but has no routing or descriptor codes (old format WTO or WTOR macro).

**Note 3**

The message has a routing code of 1, which sends the message to a primary operator, and the message is also routed to the console that it describes.

**Note 4**

The message is sent to all active consoles; this is a broadcast message.

**Note 5**

The message has a routing code of 2, which sends the message to a primary operator.

**Note 6**

The message is routed only to non-printer consoles. This message is not issued by a WTO or WTOR macro.

**Note 7**

The message is routed to consoles where one or more of the following are active:

- MONITOR JOBNAMEs
- MONITOR SESSIONs
- MONITOR STATUS

**Note 9**

The message is issued during the nucleus initialization program (NIP) processing.

**Note 10**

The message is issued by the WTL macro.

**Note 11**

The message is routed to a SYSPRINT data set by data management.

**Note 12**

The message is issued by a WTO or WTOR macro with SYNCH=YES. See *z/OS MVS Initialization and Tuning Reference* for more information.

**Note 13**

The message is routed only to receivers of the hardcopy message set.

**Note 14**

The message is routed back to the console that initiated the request and to all associated consoles.

**Note 16**

The message is routed to the IPCS print file IPCSPRNT.

**Note 17**

The message is issued by JES3. A JES3 destination class is specified either by the initialization stream or by operator commands.

**Note 18**

The message is sent in response to a command to the console where the command was entered.

**Note 19**

The message is written to a data set. If routing and descriptor codes are also included for the message, the message might also be displayed according to the specified routing and descriptor codes. (The descriptor code does not apply to writing the message to the data set.)

**Note 20**

JES3 does not issue the message. JES3 sends the message to another subsystem for processing.

**Note 21**

This message is a trailer attached to multiple messages previously issued. It has the same routing and descriptor codes as the first line of the conglomerate.

**Note 22**

This message is routed to the transaction program (TP) message log.

**Note 23**

This message is issued by the device controller. The routing code will vary according to the device controller's task.

**Note 24**

This message is routed to the assembly listing.

**Note 25**

When this message is issued during IPL, the routing codes are 2 and 10 and the descriptor code is 12. When it is issued after IPL, it has no routing code and the descriptor code is 5.

**Note 26**

When this message is issued during NIP processing, the descriptor code is 12. When it is issued after NIP processing, the descriptor code is 4.

**Note 27**

The indicated route codes are used only if this message is issued in response to a reply of CKPTDEF during a JES2 checkpoint reconfiguration. This message might be issued to a specific console rather than directed by route code. For further information concerning the routing of JES2 messages issued during a reconfiguration, see *z/OS JES2 Initialization and Tuning Guide*.

**Note 28**

These routing and descriptor codes apply only when SMS issues the message. If SMS returns the message to its caller and the caller issues the message, the codes do not apply.

**Note 29**

This message is written to the JES3OUT data set.



**Note 30**

This message is issued by JES3. The message is written to the \*MODIFY CONFIG (\*F MODIFY) log and/or the issuer of the \*F CONFIG command.

**Note 31**

The routing and descriptor codes for this message are dependent on the setting of indicator bits within the S99EOPTS field in the SVC 99 Request Block Extension (S99RBX). For more information, see the topic about Processing Messages and Reason Codes from Dynamic Allocation in *z/OS MVS Programming: Authorized Assembler Services Guide*.

**Note 32**

Routing code 2 is only applicable if message IYP050D was issued.

**Note 33**

Routing code 2 is only applicable if message IZP050D was issued.

**Note 34**

This message is only displayed on the SMCS Console Selection screen, and is not issued via WTO support.

**Note 35**

By default, IBM Health Checker for z/OS messages does not use routing codes, but the installation can override the default to use routing codes using either the MODIFY *hzsproc* command or in the HZSPRMxx parmlib member. See *IBM Health Checker for z/OS User's Guide* for more information.

**Note 36**

This message is written to the JESYSMSG data set.

**Note 37**

The message is sent to all affected consoles.

## Descriptor codes

Descriptor codes describe the significance of messages. They indicate whether the system or a task stops processing, waits until some action is completed, or continues. This code also determines how the system will display and delete the message.

### Association with message type code

Descriptor codes are typically, but not always, associated with message type codes. When the descriptor and message type codes are in conflict it is the descriptor code that governs system processing. The standard correspondence is as follows:

**Descriptor code****Message type code****1**

W (wait)

**2**

A (immediate action) or D (immediate decision)

**3**

E (eventual action)

**4 through 10**

I (information)

**11**

E (critical eventual action)

**12 and 13**

I (information)

## Valid combinations and restrictions for descriptor codes

Descriptor codes are specified in the DESC parameter of the WTO or WTOR macro. The following restrictions apply when specifying descriptor codes:

- Descriptor codes 1 through 6, 11, and 12 are mutually exclusive. Assign only one of these codes to a message. If you assign two mutually exclusive codes to one message, the system uses the most important code and ignores the other.
- Descriptor codes 7 through 10 and 13 can be assigned in combination with any of the mutually exclusive codes.
- Descriptor code 9 can be used only with descriptor code 8.

Under certain conditions, the system uses a descriptor code other than that specified in the macro as follows:

- The system assigns descriptor code 6 if the macro specifies a ROUTCDE parameter, but no DESC parameter.
- The system assigns descriptor code 7 if all of the following are true:
  1. A problem program issued the macro.
  2. The macro omits both DESC and ROUTCDE parameters, or specifies descriptor codes 1 or 2.
  3. The message is not a multiple-line WTO message.
- The system assigns no descriptor code if all of the following are true:
  1. An authorized program issued the macro.
  2. The macro omits both DESC and ROUTCDE parameters.
  3. The message is not a multiple-line WTO message.

**Note:** An authorized program has at least one of these characteristics:

- Authorized by the authorized program facility (APF)
- Runs in supervisor state
- Runs under PSW key 0 through 7

## Message deletion

With multiple console support (MCS), action messages with descriptor code 1 or 2 issued by problem programs are assigned descriptor code 7; thus, they are automatically deleted from the system at task or address space ending.

The system deletes messages issued by any program when that program issues the DOM macro for a message.

The operator can manually remove all messages from a display console screen or can set the console to roll messages off the screen.

## Message color

On operator consoles with color, the descriptor code determines the color of the message. The use of color is explained in *z/OS MVS System Commands*. Also, see the descriptions of the CONSOLxx and MPFLSTxx parmlib members in *z/OS MVS Initialization and Tuning Reference*.

## Descriptor code meaning

Descriptor codes appear within the associated message. The descriptor code field can contain the following numeric values, special characters, or note.

| Code | Meaning |
|------|---------|
|------|---------|

1

**System Failure** The message indicates an error that disrupts system operations. To continue, the operator must reIPL the system or restart a major subsystem. This causes the audible alarm to be sounded.

Descriptor code 1 messages are retained if the Action Message Retention Facility (AMRF) is active.  
Descriptor code 1 messages do not automatically roll off a console in RD mode.

2

**Immediate Action Required** The message indicates that the operator must perform an action immediately. The message issuer could be in a wait state until the action is performed or the system needs the action as soon as possible to improve performance. The task waits for the operator to complete the action. This causes the audible alarm to be sounded.

**Note:** When an authorized program issues a message with descriptor code 2, a DOM macro *must* be issued to delete the message after the requested action is performed.

Descriptor code 2 messages are retained if the Action Message Retention Facility (AMRF) is active.  
Descriptor code 2 messages do not automatically roll off a console in RD mode.

3

**Eventual Action Required** The message indicates that the operator must perform an action eventually. The task does not wait for the operator to complete the action. If the task can determine when the operator performed the action, the task should issue a DOM macro to delete the message when the action is complete.

Descriptor code 3 messages are retained if the Action Message Retention Facility (AMRF) is active.

4

**System Status** The message indicates the status of a system task or of a hardware unit.

5

**Immediate Command Response** The message is issued as an immediate response to a system command. The response does not depend on another system action or task.

6

**Job Status** The message indicates the status of a job or job step.

7

**Task-Related** The message is issued by an application or system program. Messages with this descriptor code are deleted when the job step that issued them ends.

8

**Out-of-Line** The message, which is one line of a group of one or more lines, is to be displayed out-of-line. If a message cannot be displayed out-of-line because of the device being used, descriptor code 8 is ignored, and the message is displayed in-line with the other messages.

**Note:** Multiline messages directed at an OOL area and routed by either the UNKNIDS or INTIDS attributes are forced "inline".

9

**Operator's Request** The message is written in response to an operator's request for information by a DEVSERV, DISPLAY, or MONITOR command.

10

**Not defined** Descriptor code 10 is not currently in use.

11

**Critical Eventual Action Required** The message indicates that the operator must perform an action eventually, and the action is important enough for the message to remain on the display screen until the action is completed. The task does not wait for the operator to complete the action. This causes the audible alarm to be sounded.

Avoid using this descriptor code for non-critical messages because the display screen could become filled.

If the task can determine when the operator has performed the action, the task should issue a DOM macro to delete the message when the action is complete.

Descriptor code 11 messages are retained if the Action Message Retention Facility (AMRF) is active.

Descriptor code 11 messages do not automatically roll off a console in RD mode.

## 12

**Important Information** The message contains important information that must be displayed at a console, but does not require any action in response.

## 13

**Automation Information** Indicates that this message was previously automated.

## 14-16

Reserved for future use.

/

The message has different descriptor codes according to the task issuing it. For example, 4/6 means that the message can describe system status or job status.

—

The message has no descriptor code.

## N/A

A descriptor code is not applicable for the message.

## Note 1

The descriptor code for an IBM Health Checker for z/OS check exception message might vary because the installation can override the descriptor code either using the MODIFY hzsproc command or in the HZSPRMxx parmlib member. See *IBM Health Checker for z/OS User's Guide* for more information. In addition to the descriptor code selected by the installation, one of the following descriptor codes is also included based on the severity of the check:

- High severity checks use a descriptor code of 11.
- Medium severity checks use a descriptor code of 3.
- Low severity checks use a descriptor code of 12.

## Message directory

To use a message prefix to locate the information that contains the specific messages, use the following table.

| Table 1. Directory of messages by prefix and component |  |  |
|--|--|--|
| Prefix   | Component  | Title  |
| ABA  | DFSMSHsm   | <a href="#">z/OS MVS System Messages, Vol 1 (ABA-AOM)</a>  |
| ACP  | LANRES   | <a href="#">z/OS MVS System Messages, Vol 1 (ABA-AOM)</a> ,  |
| ADF  | Time Sharing Option Extensions (TSO/E) session manager | <a href="#">z/OS TSO/E User's Guide</a> ,<br><a href="#">z/OS TSO/E Command Reference</a><br><a href="#">z/OS TSO/E Messages</a> |
| ADM  | Graphical Data Display Manager                         | <i>GDDM Messages</i> , SC33-0869   |
| ADR  | DFDSS  | <a href="#">z/OS MVS System Messages, Vol 1 (ABA-AOM)</a>  |
| ADRY   | DFDSS  | <a href="#">z/OS MVS System Messages, Vol 1 (ABA-AOM)</a>  |
| ADY  | Dump analysis and elimination (DAE)                    | <a href="#">z/OS MVS System Messages, Vol 1 (ABA-AOM)</a>  |
| AEM  | Graphical Data Display Manager                         | <i>GDDM Messages</i>   |

| <i>Table 1. Directory of messages by prefix and component (continued)</i> |   |  |
|---|---|--|
| <b>Prefix</b>   | <b>Component</b>  | <b>Title</b>   |
| AFB   | VSFORTRAN   | <i>VSFORTRAN Version 2 Language and Library Reference</i> , SC26-4221  |
| AHL   | Generalized trace facility (GTF)                          | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a> ,<br><a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| AIB   | AI Base Component for IBM z/OS                            | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| AIR   | Predictive Failure Analysis                               | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a> ,<br><a href="#"><i>z/OS Problem Management</i></a>   |
| AIRH  | Predictive Failure Analysis                               | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a> ,<br><a href="#"><i>z/OS Problem Management</i></a>   |
| AMA   | SPZAP service aid   | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| AMB   | LIST service aid  | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| AMD   | Stand-alone dump  | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| AMS   | Availability manager                                      | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a> ,<br><a href="#"><i>z/OS Resource Measurement Facility Messages and Codes</i></a>   |
| ANT   | Remote Copy   | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| ANF   | Infoprint Server  | <a href="#"><i>z/OS Infoprint Server Messages and Diagnosis</i></a>  |
| AOM   | Administrative operations manager                         | <a href="#"><i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i></a>   |
| AOP   | Infoprint Server  | <a href="#"><i>z/OS Infoprint Server Messages and Diagnosis</i></a>  |
| API   | Infoprint Server  | <a href="#"><i>z/OS Infoprint Server Messages and Diagnosis</i></a>  |
| APS   | Print services facility (PSF)                             | <i>Print Services Facility Messages</i> , S544-3675  |
| ARC   | DFSMSHsm  | <a href="#"><i>z/OS MVS System Messages, Vol 2 (ARC-ASA)</i></a>   |
| ARRP  | System Control Program (SCP)                              | See message 52099 in <i>Enterprise System/9000 Models 190, 210, 260, 320, 440, 480, 490, 570, and 610 Messages Part 2</i> for a complete message explanation and appropriate responses; see GA23-0378. |
| ASA   | MVS Reuse   | <a href="#"><i>z/OS MVS System Messages, Vol 2 (ARC-ASA)</i></a>   |
| ASB   | Advanced Program-to-Program Communications/MVS (APPC/MVS) | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a> ,<br><a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| ASD   | LANRES  | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a>   |
| ASM   | Auxiliary storage manager (ASM)                           | <a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| ASMA  | High Level Assembler for MVS & VM & VSE                   | <i>HLASM Programmer's Guide</i> , SC26-4941  |
| ASR   | Symptom record (SYMREC)                                   | <a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| ATB   | Advanced Program-to-Program Communications/MVS (APPC/MVS) | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a> ,<br><a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| ATR   | Resource recovery services (RRS)                          | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a> ,<br><a href="#"><i>z/OS MVS Dump Output Messages</i></a>   |
| ATRH  | Resource recovery services (RRS)                          | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a>   |
| AVM   | Availability manager                                      | <a href="#"><i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i></a>   |

| <i>Table 1. Directory of messages by prefix and component (continued)</i> |  |   |
|---|--|---|
| <b>Prefix</b>   | <b>Component</b>   | <b>Title</b>  |
| AXR   | System REXX  | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a>   |
| BCD   | Batch Runtime  | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a>   |
| BFS   | IBM LAN server for MVS                                   | <i>OS/390 MVS System Messages, Vol. 2, GC28-1785</i>  |
| BHI®  | z/OS HyperSwap®  | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| BLG   | Information System, Information Management               | <i>The Information/Management Library Messages and Codes, SC34-4459</i>   |
| BLM   | Information System, Information Management               | <i>The Information/Management Library Messages and Codes, SC34-4459</i>   |
| BLS   | Interactive problem control system (IPCS)                | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| BLX   | Information System, Information Management               | <i>The Information/Management Library Messages and Codes, SC34-4459</i>   |
| BLW   | Loadwait/Restart   | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a>   |
| BNH   | Network Problem Determination Application (NPDA)         | <i>NPDA Messages, SC34-2115</i>   |
| BPX   | z/OS UNIX System Services                                | <a href="#">z/OS MVS System Messages, Vol 3 (ASB-BPX)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| CBDA  | Hardware configuration definition (HCD)                  | <a href="#">z/OS and z/VM HCD Messages</a>  |
| CBR   | Object access method (OAM)                               | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CEA   | Common Event Adapter                                     | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CEE   | Language Environment®                                    | <a href="#">z/OS Language Environment Runtime Messages</a>  |
| CHS   | MVSSERV messages for the user and system programmer      | <a href="#">z/OS TSO/E Messages</a>   |
| CIM   | Managed System Infrastructure for Setup (msys for Setup) | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CMP   | Compression management services                          | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CLB   | C/C++ class library runtime messages                     | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CNL   | MVS message service (MMS)                                | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| CNZ   | Console Services   | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| COF   | Virtual lookaside facility (VLF)                         | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a> ,<br><a href="#">z/OS TSO/E Messages</a> |
| CPO   | z/OS MVS Capacity Provisioning                           | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a> ,<br><a href="#">z/OS MVS Capacity Provisioning User's Guide</a>                            |
| CRG   | Context Services   | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |

| Table 1. Directory of messages by prefix and component (continued) |   |   |
|--|---|---|
| Prefix   | Component   | Title   |
| CRU  | Integrated catalog forward recovery utility (ICFRU)           | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| CSF  | Integrated Cryptographic Service Facility (ICSF)              | <a href="#">z/OS Cryptographic Services ICSF Messages</a>   |
| CSQ  | IBM MQ  | <a href="#">Messages for IBM MQ for z/OS</a>  |
| CSR  | Callable services requests (CSR)                              | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| CSV  | Contents supervision, virtual fetch, fetch                    | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| CSY  | OPC/A Production Control System                               | <i>OPC/A Messages</i> , SH19-6448   |
| CSZ  | OPC/A Network Event Communicator                              | <i>OPC/A Messages</i> , SH19-6448   |
| CTX  | Context Services  | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a>   |
| DFH  | Customer Information Control System/Virtual Storage (CICS/VS) | <i>CICS/ESA Messages and Codes</i> , SC33-0672  |
| DFQ  | Interactive storage management facility (ISMF)                | Online only. To display the message explanation and suggested action, press the HELP key (PF1) twice when the message is currently displayed. Otherwise, go to ISPF option 7.2 Display Panel, enter the message ID in the message ID field, then press the HELP key (PF1) twice to show the message explanation. For more information, see the Using Help Panels for Error Messages topic in the <a href="#">z/OS DFSMS Using the Interactive Storage Management Facility</a> |
| DGT  | Interactive storage management facility (ISMF)                | Online only. To display the message explanation and suggested action, press the HELP key (PF1) twice when the message is currently displayed. Otherwise, go to ISPF option 7.2 Display Panel, enter the message ID in the message ID field, then press the HELP key (PF1) twice to show the message explanation. For more information, see the Using Help Panels for Error Messages topic in <a href="#">z/OS DFSMS Using the Interactive Storage Management Facility</a>     |
| DLX  | DLF installation exit COFXDLF2                                | These messages are issued by the sample DLF installation exit, COFXDLF2, whose source can be found in SYS1.SAMPLIB. Because the issuing module is a "sample", which can be modified by the customer, the messages are not described in an IBM document.   |
| DMO  | Device Manager  | <a href="#">z/OS MVS System Messages, Vol 4 (CBD-DMO)</a><br><a href="#">z/OS MVS Dump Output Messages</a>  |
| DQD  | Cache RMF Reporter (CRR)                                      | <i>Cache RMF Reporter Program Description/Operations Manual</i> , SH20-6295   |
| DRK  | OPC/A Event Manager Subsystem                                 | <i>OPC/A Messages</i> , SH19-6448   |
| DSI  | NetView   | <i>TME 10 NetView for OS/390 Messages</i> , SC31-8237   |
| DSM  | Document Composition Facility                                 | <i>DCF: Messages</i> , SH35-0048  |
| DSM  | Document Library Facility                                     | <i>DCF: Messages</i> , SH35-0048  |
| DSN  | Database 2  | <i>Db2 Universal Database for OS/390 Messages and Codes</i> , GC26-9011   |
| DZI  | Overlay Generation Language                                   | <i>IBM Overlay Generation Language/370 User's Guide and Reference</i> , S544-3702   |
| DZJ  | Print Management Facility                                     | <i>Print Management Facility User's Guide and Reference</i> , SH35-0059   |

| <i>Table 1. Directory of messages by prefix and component (continued)</i> |  |   |
|---|--|---|
| <b>Prefix</b>   | <b>Component</b>   | <b>Title</b>  |
| EDC   | XL C/C++ Runtime Library                                   | <a href="#"><i>z/OS XL C/C++ Messages</i></a>   |
| EDG   | DFSMSrmm   | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| EDGH  | DFSMSrmm   | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| ELM   | IBM Communications Server — SNA                            | <a href="#"><i>z/OS Communications Server: SNA Messages</i></a>   |
| EQQ   | OPC/ESA  | <i>OPC/ESA Messages and Codes, SH19-6719</i>  |
| ERB   | Resource Measurement Facility (RMF) and z/OS Data Gatherer | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a> ,<br><a href="#"><i>z/OS Resource Measurement Facility Messages and Codes</i></a>  |
| ERX   | Graphical Data Display Manager                             | <i>GDDM Messages, SC33-0869</i>   |
| EWX   | LANRES   | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| EZA   | IBM Communication Server — IP                              | <a href="#"><i>z/OS Communications Server: IP Messages Volume 1 (EZA)</i></a>   |
| EZB   | IBM Communication Server — IP                              | <a href="#"><i>z/OS Communications Server: IP Messages Volume 2 (EZB, EZD)</i></a>  |
| EZM   | Application Enabling Technology (AET)/Auto UNIX System     | <i>OS/390 Application Enabling Technology: Administration and Programming, GC28-1993</i><br><i>OS/390 Application Enabling Technology: Customization Guide, GC28-1994</i><br><i>OS/390 MVS System Messages (EWX-IEB), GC28-1786</i> |
| EZY   | z/OS Communication Server — IP                             | <a href="#"><i>z/OS Communications Server: IP Messages Volume 3 (EZY)</i></a>   |
| EZZ   | z/OS Communication Server — IP                             | <a href="#"><i>z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)</i></a>  |
| FAN(G)  | REXX/370 compiler  | <i>IBM Compiler and Library for SAA REXX/370 User's Guide and Reference , SH19-8160</i>   |
| FDBX  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FLM   | Software configuration and library manager                 | <a href="#"><i>z/OS ISPF Messages and Codes</i></a>   |
| FOMC  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMF  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMI  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMM  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMO  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMOA   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMOG   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOMOH   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FPG   | Hardware Accelerator Manager                               | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| FSUM  | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FSUMA   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FSUMB   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FSUMF   | z/OS UNIX System Services                                  | <a href="#"><i>z/OS UNIX System Services Messages and Codes</i></a>   |
| FOR   | LE FORTRAN Library   | <i>IBM Language Environment for MVS &amp; VM FORTRAN Run-Time Migration Guide</i>   |



| <i>Table 1. Directory of messages by prefix and component (continued)</i> |  |   |
|---|--|---|
| <b>Prefix</b>   | <b>Component</b>                                   | <b>Title</b>  |
| GDE   | Distributed FileManager/MVS (DFM/MVS)              | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| GFSA  | Network File System Server                         | <a href="#"><i>z/OS Network File System Guide and Reference</i></a>   |
| GFSC  | Network File System Server Client Messages         | <a href="#"><i>z/OS Network File System Guide and Reference</i></a>   |
| GIM   | SMP/E  | <a href="#"><i>z/OS SMP/E Messages, Codes, and Diagnosis</i></a>  |
| GLZ   | zCX  | <a href="#"><i>z/OS MVS System Messages, Vol 5 (EDG-GLZ)</i></a>  |
| GQD   | Graphical Data Display Manager                     | <i>GDDM Messages</i>  |
| GQF   | Graphical Data Display Manager                     | <i>GDDM Messages</i>  |
| GSK   | Integrated Cryptographic Service Facility (ICSF)   | <a href="#"><i>z/OS Cryptographic Services System SSL Programming</i></a>   |
| HIS   | Hardware instrumentation services (HIS)            | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |
| HWI   | Base Control Program Internal Interface Services   | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |
| HZS   | IBM Health Checker for z/OS                        | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a><br><a href="#"><i>IBM Health Checker for z/OS User's Guide</i></a>                           |
| HZR   | Runtime Diagnostics                                | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a> ,<br><a href="#"><i>z/OS Problem Management</i></a>  |
| IAR   | Real storage manager (RSM)                         | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a> ,<br><a href="#"><i>z/OS MVS Dump Output Messages</i></a>                                    |
| IARH  | Real storage manager (RSM)                         | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |
| IAZ   | JES Common   | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |
| IAZH  | JES common health check                            | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |
| IBM   | PL/I   | IBM Enterprise PL/I for z/OS library ( <a href="http://www.ibm.com/support/docview.wss?uid=swg27036735">www.ibm.com/support/docview.wss?uid=swg27036735</a> ) |
| ICE   | DFSORT sort program                                | <a href="#"><i>z/OS DFSORT Messages, Codes and Diagnosis Guide</i></a>  |
| ICH   | Resource Access Control Facility (RACF®)           | <a href="#"><i>z/OS Security Server RACF Messages and Codes</i></a>   |
| ICK   | Device Support Facilities                          | <i>Device Support Facilities User's Guide and Reference, GC35-0033</i>  |
| ICM   | IBM Content Manager Enterprise Edition             | <i>IBM Content Manager Enterprise Edition: Messages and Codes</i>   |
| ICN   | NCP/SSP/EP   | <i>NCP/SSP/EP Messages and Codes, SC30-3169</i>   |
| ICP   | Input/Output Configuration Program (IOCP)          | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a><br><i>Input/Output Configuration Program User's Guide and Reference, GC28-1027</i>           |
| ICQA  | Information Center Facility administrator messages | <a href="#"><i>z/OS TSO/E Messages</i></a>  |
| ICQC  | Information Center Facility user messages          | <a href="#"><i>z/OS TSO/E Messages</i></a>  |
| ICT   | Programmed Cryptographic Facility                  | <a href="#"><i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i></a>  |

Table 1. Directory of messages by prefix and component (continued)

| Prefix  | Component  | Title  |
|---------|--|--|
| ICU     | Cryptographic Unit Support   | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IDA     | Virtual Storage Access Method (VSAM)   | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IDC     | Access method services   | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IDFS    | Data Set File System   | <a href="#">z/OS Data Set File System Messages and Codes</a>   |
| IEA     | <ul style="list-style-type: none"> <li>• Allocation/unallocation</li> <li>• Auxiliary storage manager (ASM)</li> <li>• Contents supervision</li> <li>• Communications task (COMMTASK)</li> <li>• Data Facility Product (DFP) components</li> <li>• Generalized trace facility (GTF)</li> <li>• Initial program load (IPL)</li> <li>• Input/output supervisor (IOS)</li> <li>• Master scheduler</li> <li>• Nucleus initialization program (NIP)</li> <li>• Program Call authorization (PC/AUTH) service routines</li> <li>• Reconfiguration</li> <li>• Recovery termination manager (RTM)</li> <li>• Supervisor control</li> <li>• System resources manager</li> <li>• System trace</li> <li>• Timer supervision</li> <li>• Virtual storage management (VSM)</li> </ul> | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a> |
| IEAH    | SDUMP (SCDMP)  | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IEATH   | Timer supervision  | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IEAVEH  | Supervisor Control   | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IEAVTRH | Recovery Termination Manager (RTM)   | <a href="#">z/OS MVS System Messages, Vol 6 (GOS-IEA)</a>  |
| IEB     | Data Facility Product (DFP) utilities  | <a href="#">z/OS MVS System Messages, Vol 7 (IEB-IEE)</a>  |
| IEC     | <ul style="list-style-type: none"> <li>• OPEN/CLOSE/EOV</li> <li>• DADSM</li> <li>• Access methods</li> </ul>  | <a href="#">z/OS MVS System Messages, Vol 7 (IEB-IEE)</a> ,<br><a href="#">z/OS DFSMSdfp Diagnosis</a>       |

Table 1. Directory of messages by prefix and component (continued)

| Prefix | Component  | Title  |
|--------|--|--|
| IEE    | <ul style="list-style-type: none"> <li>• Auxiliary storage manager (ASM)</li> <li>• Communications task (COMMTASK)</li> <li>• Data Facility Product (DFP) components</li> <li>• JES2</li> <li>• JES3</li> <li>• Master scheduler</li> <li>• Reconfiguration</li> <li>• Recovery termination manager (RTM)</li> <li>• Supervisor control</li> <li>• System management facilities (SMF)</li> <li>• System resources manager (SRM)</li> <li>• System trace</li> <li>• Task management</li> <li>• Timer supervision</li> </ul>                                   | <a href="#">z/OS MVS System Messages, Vol 7 (IEB-IEE)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a> |
| IEF    | <ul style="list-style-type: none"> <li>• Allocation/unallocation</li> <li>• Converter/interpreter</li> <li>• Data Facility Product (DFP) components</li> <li>• Initial program load (IPL)</li> <li>• Initiator/terminator</li> <li>• JES/scheduler services</li> <li>• JES2</li> <li>• Master scheduler</li> <li>• Master subsystem/subsystem interface (MSI)</li> <li>• Reconfiguration</li> <li>• Scheduler JCL facilities (SJF)</li> <li>• Scheduler restart</li> <li>• Scheduler services (ENF)</li> <li>• System management facilities (SMF)</li> </ul> | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a> |
| IEFC   | Converter  | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a>  |
| IEFI   | Converter/interpreter  | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a>  |
| IEH    | Data Facility Product (DFP) utilities  | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a>  |
| IEV    | Assembler H  | <i>Assembler H Version 2 Application Programming: Guide</i> , SC26-4036                                      |
| IEW    | <ul style="list-style-type: none"> <li>• Linkage editor</li> <li>• Binder</li> <li>• Transport utility</li> <li>• Loader</li> </ul>  | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a>  |

| <i>Table 1. Directory of messages by prefix and component (continued)</i> |   |  |
|---|---|--|
| <b>Prefix</b>   | <b>Component</b>  | <b>Title</b>   |
| IFA   | System management facilities (SMF)  | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IFB   | Input/output environment recording routines: OBR and SVC 76   | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a>  |
| IFC   | IFCDIP00 service aid for the logrec data set<br>IFCEREPO and IFCEREPI service aids                        | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a> ,<br><i>Environmental Record Editing and Printing Program (EREP) User's Guide and Reference</i> , GC28-1378  |
| IFD   | Online test executive program (OLTEP)   | OS/390® MVS System Messages, Vol. 4, GC28-1787   |
| IFL   | Network Control Program (NCP)<br>Advanced Communications Function (ACF) for Network Control Program (NCP) | <i>3704 and 3705 Control Program Generation and Utilities Guide and Reference Manual</i> , GC30-3008<br><i>Network Control Program/System Support Programs/Emulation Programs Messages and Codes</i> , SC30-3169 |
| IFO   | MVS Assembler   | <i>OS/VS - VM/370 Assembler Programmer's Guide</i> , GC33-4021   |
| IGD   | Storage management subsystem (SMS) of Data Facility Product (DFP)   | <a href="#">z/OS MVS System Messages, Vol 8 (IEF-IGD)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IGF   | Dynamic device reconfiguration (DDR) Machine check handler (MCH)  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IGGHC   | DFSMS Catalog   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IGGN  | Data Facility Product (DFP)   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IGV   | Virtual storage management (VSM)  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IGW   | Data Facility Product (DFP) Storage management subsystem (SMS)  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IGY   | VS COBOL II   | <i>VS COBOL II Application Programming Guide</i> , SC26-4045   |
| IGZ   | VS COBOL II   | <i>VS COBOL II Application Programming: Debugging</i> ,<br><a href="#">z/OS Language Environment Runtime Messages</a>  |
| IHJ   | Data Facility Product (DFP) checkpoint/scheduler restart  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IHV   | IBM Z® System Automation  | <a href="#">IBM System Automation for z/OS (www.ibm.com/docs/en/z-system-automation)</a>   |
| IKF   | VS COBOL II   | <i>VS COBOL II Application Programming: Debugging</i> , SC26-4049  |
| IKJ   | Time Sharing Option Extensions (TSO/E)  | <a href="#">z/OS TSO/E Messages</a> ,<br><a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| IKM   | Programming Language/I (PL/I) syntax checker  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |

| Table 1. Directory of messages by prefix and component (continued) |   |  |
|--|---|--|
| Prefix   | Component   | Title  |
| IKT  | Time Sharing Option Extensions (TSO/E)<br>IBM Communications Server — SNA             | <a href="#">z/OS TSO/E Messages</a><br><a href="#">z/OS Communications Server: SNA Messages</a>  |
| ILM  | IBM License Manager   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| ILR  | Auxiliary storage manager (ASM)   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| ILX  | VS FORTRAN Compiler   | <i>VS FORTRAN Version 2 Programming Guide for CMS and MVS</i> , SC26-4222  |
| ING  | IBM Z System Automation   | IBM System Automation for z/OS ( <a href="http://www.ibm.com/docs/en/z-system-automation">www.ibm.com/docs/en/z-system-automation</a> )  |
| INM  | Interactive Data Transmission Facility (IDTF) TRANSMIT and RECEIVE commands           | <a href="#">z/OS TSO/E Messages</a>  |
| INZ  | IBM Product for Db2 High Performance Unload prefix                                    | <a href="#">IBM DB2 High Performance Unload for z/OS</a>   |
| IOAC   | Open Systems Adapter-Express (OSA-Express)  | Open Systems Adapter-Express Customer's Guide and Reference ( <a href="http://www.ibm.com/servers/resourcelink/lib03010.nsf/pagesByDocid/BC4AE2E43BFCF12C85256CEE000D1130?OpenDocument">www.ibm.com/servers/resourcelink/lib03010.nsf/pagesByDocid/BC4AE2E43BFCF12C85256CEE000D1130?OpenDocument</a> ) |
| IOP  | Input/output configuration program (IOCP)   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IOEZ   | z/OS File System (zFS) messages   | <a href="#">z/OS File System Messages and Codes</a>  |
| IOEZH  | zFS Health Check messages   | <a href="#">z/OS File System Messages and Codes</a>  |
| IOS  | Input/output supervisor (IOS)   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IPD  | FORTTRAN syntax checker   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IQP  | PCI Express   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IRA  | System resources manager (SRM)  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IRD  | ESCON Director Device Support (EDDS)  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| IRR  | Resource Access Control Facility (RACF)   | <a href="#">z/OS Security Server RACF Messages and Codes</a>   |
| IRX  | Time Sharing Option Extensions (TSO/E) restructured extended executor language (REXX) | <a href="#">z/OS TSO/E Messages</a>  |
| ISG  | Global resource serialization   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| ISN  | Service Processor Interface   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a>  |
| ISP  | Interactive System Productivity Facility  | <a href="#">z/OS ISPF Messages and Codes</a>   |
| ISQ  | IBM Z System Automation   | IBM System Automation for z/OS ( <a href="http://www.ibm.com/docs/en/z-system-automation">www.ibm.com/docs/en/z-system-automation</a> )  |
| ISRB   | Interactive system productivity facility  | <a href="#">z/OS ISPF Messages and Codes</a>   |

| Table 1. Directory of messages by prefix and component (continued) |  |   |
|--|--|---|
| Prefix   | Component  | Title   |
| ISRL   | Library management facility  | <a href="#">z/OS ISPF Messages and Codes</a>  |
| IST  | IBM Communications Server — SNA  | <a href="#">z/OS Communications Server: SNA Messages</a>  |
| ISU  | IBM Communications Server — SNA  | <a href="#">z/OS Communications Server: SNA Messages</a>  |
| ITA  | TOLTEP for Advanced Communications Function for Virtual Telecommunications Access Method (ACF/VTAM®) | <i>Advanced Communications Function for VTAM Messages and Codes</i> , SC27-0614, SC27-0470, SC23-0114   |
| ITT  | Component trace  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| ITV  | Data-in-virtual  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| ITZ  | Transaction trace  | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| IST  | IBM Communications Server — SNA  | <a href="#">z/OS Communications Server: SNA Messages</a>  |
| IVT  | IBM Communications Server — SNA  | <a href="#">z/OS Communications Server: SNA Messages</a>  |
| IWM  | Workload manager (WLM)   | <a href="#">z/OS MVS System Messages, Vol 9 (IGF-IWM)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>  |
| IXC  | Cross-system coupling facility (XCF)   | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IXG  | System logger (SCLOG)  | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a>  |
| IXL  | Cross System Extended Services (XES)   | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a>   |
| IXP  | Input/output configuration program (IOCP)  | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a>  |
| IXZ  | JES common coupling services (JESXCF)  | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a> ,<br><a href="#">z/OS MVS Dump Output Messages</a> <a href="#">z/OS MVS Dump Output Messages</a> |
| IYP  | Input/output configuration program (IOCP)  | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a>  |
| IZP  | Input/output configuration program (IOCP)  | <a href="#">z/OS MVS System Messages, Vol 10 (IXC-IZP)</a> ,<br><i>ES/9000 IOCP User's Guide and ESCON CTC Reference Volume A04</i> , GC38-0401             |
| SNM  | IBM Communication Server — IP  | <a href="#">z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)</a>   |
| USS  | IBM Communications Server — SNA  | <a href="#">z/OS Communications Server: SNA Messages</a>  |

## Building your own message library

If you are an operator or a programmer for an installation, you can build your own libraries of the message and code information that fits your specific needs. You can place into binders the chapters and documents that contain only the messages and codes you receive.

## Basic documents

Each installation requires at least one copy of each volume of *MVS System Messages* and of *z/OS MVS Dump Output Messages*. Regardless of the specific options of your system, you will receive at the console or in listings some subset of the messages in these documents.

Each installation also requires at least one copy of *z/OS MVS System Codes*, which contains the 3-digit hexadecimal system completion codes (abend codes) and the wait state codes produced by all the components of the system.

**Note:** 4-digit decimal user completion codes appear in documents for the component, subsystem, or product that produces the codes. Codes produced by installation-provided programs do not appear in IBM documents.

All programming and operations personnel need access to the basic documents, although application programmers might not need to have their own copies.

## Optional documents

For information about message changes for multiple z/OS elements including JES2, JES3, RACF, TCP/IP, and others, see *z/OS Release Upgrade Reference Summary*.

## Translating messages

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Using the MVS message service (MMS), you can translate MVS system messages into other languages. The following messages *cannot* be translated:

- Initialization messages
- DFSMS messages
- JES3 messages
- Some complicated multiple-line messages

See *z/OS MVS Planning: Operations* and *z/OS MVS Programming: Assembler Services Guide* for information about using the MMS.





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## Chapter 2. IEF messages

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**IEF001I**

**ERROR ON WRITE TO SYSTEM MESSAGE FILE**

### Explanation

The system found an error while attempting to write to the system message file.

### System action

The system issues message IEF001I and continues processing the job.

### System programmer response

If the error persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Programmer response

This message indicates that an error was found while attempting to write to the system message file. The error in writing to this file does not impede restart processing, but may be of interest in the context of record keeping. Inform the installation system programmer of the error.

### Source

Scheduler restart

### Module

IEFXB601

### Routing code

11

### Descriptor code

6

---

**IEF002W**

**PENDING DEVICE PROCESSING MODULE IEFHBPDB HAS FAILED**

### Explanation

While attaching or reattaching the IEFHBPDB task in the Allocation Address Space (ALLOCAS), the task exceeded the number of consecutive errors allowed. A non-restartable wait state is loaded because UNLOAD, VARY OFFLINE or VARY ONLINE commands cannot be processed without this task.

### System action

The system enters wait state X'204' with reason X'007'.

### Operator response

See the operator response for the wait state.

## System programmer response

See the system programmer response for the wait state.

## Source

Device Allocation

## Module

IEFHBPDB

## Routing code

1

## Descriptor code

1

---

IEF003I

*jobname procstep stepname ddname + xxx - DD THAT IS CAUSING THE  
ABEND05C RC309*

## Explanation

This message identifies the DD statement for which an ABEND05C RC309 is issued and the ABEND indicates a mismatch between the device(s) selected for an allocation by JES3 and the device(s) selected for allocation by the MVS Allocation component.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL requests when used within a set of concatenated data set.

## System action

The job will fail with an ABEND05C RC309.

## Operator response

Notify your System Programmer.

## System programmer response

Analyze the UNIT parameter specification, if any, and its associated DEVICE definition in the JES3 INISH deck for differences.

**Source**

Allocation

**Module**

The detecting module is IEFAB422.

The containing module is IEFBB4M6.

**Routing code**

Hardcopy only

**Descriptor code**

6

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|                |  |
|----------------|--|
| <b>IEF004I</b> | <i>jobname procstep stepname ddname + xxxx</i> <b>ERROR PROCESSING UNIT AFFINITY REQUEST</b> |
|----------------|--|

**Explanation**

The system detected an error while processing a VOLUME=REF reference to a DD statement with a UNIT=AFF reference.

In the message text:

***jobname***  
The name of the job.

***procstep***  
The name of the step in the cataloged procedure.

***stepname***  
The name of the job step.

***ddname***  
The name of the DD statement.

***+xxx***  
The relative position of a concatenated DD statement in relation to the first DD.

**System action**

The system ends the job.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Check that the step name on the refer back is unique. Check the spelling of the names on the refer back and the unit affinity request on the referenced statement. After correcting the error, submit the job again.

**Source**

Allocation

## Module

The detecting module is IEFAB42B.

**IEF005I**

***jobname procstep stepname ddname + xxx - EDL CHANGED OUTSIDE  
ALLOCATION FOR DEVICE TYPE devtype***

## Explanation

MVS allocation detected a change to its Eligible Device List (EDL) upon return from its subsystem SSI call. This message will not be issued in a JES3 environment.

This message will only be issued to identify a modified EDL should a Job Step and/or a Dynamic Allocation fail during the allocation process.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***devtype***

The generic device type for which the EDL was modified.

## System action

The system continues processing the job.

## Operator response

Some OEMs modify the EDL to influence tape allocation. If an unexpected job failure occurs, the EDL may have been incorrectly modified. In that case, preserve the Job and Console logs for the failed Job and contact the IBM Support Center for further assistance.

## Source

Allocation

## Module

The detecting module is IEFAB421.

The containing module is IEFBB4M5.

## Routing code

Hardcopy only

## Descriptor code

6

---

IEF006I

*jobname* RESTARTING AT *xxxxxxx* K, *yyyyyyy* K, *aaaaaaaa* K,  
*bbbbbbbb* K

## Explanation

During restart operation of a checkpointed job, the virtual storage indicated in the message text was requested.  
In the message text:

### *jobname*

The name of the checkpointed job undergoing a restart operation.

### *xxxxxxx*

The lowest address in the private area (below 16 megabytes).

### *yyyyyyy*

The highest address in the private area (below 16 megabytes).

### *aaaaaaaa*

The lowest address in the extended private area.

### *bbbbbbbb*

The highest address in the extended private area.

## System action

If the requested areas are currently unavailable, a restart operation is delayed until the areas become available.

## Operator response

If a restart operation is delayed for a long period of time, enter the DISPLAY A command to determine if the required areas are occupied by system tasks or by other job step tasks.

- If the area is occupied by another system task, either allow the system task to continue and end (if the task is a reader), or stop the system task (if the task is a reader or writer).
- If the area is occupied by another job step task, either allow the job step task to continue and end, or cancel the job step task.

## Source

Scheduler restart

## Module

IEFXB609

## Routing code

2

## Descriptor code

6

---

IEF007I

RESTART NOT SUCCESSFUL FOR *jobname* (*reason-code*)

## Explanation

An error occurred during checkpoint restart for a job. In the message text:

***jobname***

The name of the checkpointed job.

***reason-code***

A decimal reason code that indicates why the restart was not successful, as follows:

**031**

A DD statement was DUMMY in the original running of the job, but is not DUMMY in the restart.

**034**

A DD statement is missing for the restarted step.

**038**

An uncorrectable input/output error occurred when the system read the checkpoint data set.

**230**

The checkpoint data set was not secure.

**231**

An error occurred during dynamic allocation of the checkpoint data set.

**232**

The system could not open the checkpoint data set successfully.

**233**

In a partitioned checkpoint data set, the system could not find the specified entry.

**235**

The system encountered a checkpoint entry record of an undetermined type, or did not find an END record when expected.

**237**

The system could not find a specified checkpoint entry.

**238**

An error occurred during dynamic allocation or dynamic deallocation for a private or implied catalog needed to process the data set descriptor record (DSDR).

**239**

During a deferred restart, the system found a non-DUMMY DD entry for a virtual input output (VIO) data set, or allocated a dynamically allocated VIO data set after taking the checkpoint.

**260**

The scheduler work area (SWA) for the checkpointed job resides above 16 megabytes. This indicates that the job is not eligible for checkpoint restart.

**261**

An error occurred while the system was establishing the recovery environment for checkpoint restart processing.

**262**

An error occurred while the system was processing a data set descriptor record (DSDR) representing a DD names table (DDNT).

**263**

Scheduler restart found a unit affinity request that was not valid.

**266**

Opening of the checkpoint data set abnormally ended.

**267**

An error occurred during a request to convert a device type to a look-up value for the checkpoint data set.

**280**

An error occurred during processing of a scheduler work area (SWA) manager request.

**281**

No external parameter area (EPA) pointer was specified for a SWA manager request.

**282**

An incorrect scheduler work area (SWA) Manager request type was specified.

**283**

An incorrect scheduler work area virtual address (SVA) was specified in the external parameter area (EPA).

**300**

The data set descriptor record (DSDR) type read is not the requested type.

**301**

A Data Facility Product (DFP) routine returned an error.

**320**

The requested function is not supported by the restart step input output table / job file control block (SIOT/JFCB).

**321**

An error occurred during unit verification for a request to convert device type to look-up value.

**340**

An error occurred during processing of a data set descriptor record (DSDR) that represents a dynamically allocated step input output table (SIOT).

**341**

An error occurred during processing of a data set descriptor record (DSDR) that represents a dynamically allocated generation data group (GDG) ALL step input output table (SIOT).

**380**

An error occurred during processing of a step input output table / job file control block (SIOT/JFCB) that had no matching data set descriptor record (DSDR).

**400**

An error occurred during processing of a request to update the data set enqueue table.

**420**

An error occurred during processing of a merge request.

**440**

The system does not support the requested function.

**441**

An incorrect type of scheduler work block (SWB) data set descriptor record (DSDR) was issued.

**442**

An error was returned for a request to delete a scheduler work block (SWB) request.

**443**

An error was returned for a request to delete a scheduler work block (SWB) request.

## System action

The system ends restart of the job. The system may issue additional messages. Other system processing continues.

## System programmer response

Depending on the reason code, do one of the following:

**031**

Change the DD statement to DUMMY.

**034**

Supply the missing DD statement. Then resubmit the job.

**038**

Restart at an earlier checkpoint, or run the job again, using a different volume. For a deferred restart, attempt the restart again after varying the device containing the checkpoint data set offline.

**230**

Ask the operator to verify the secure status of the volume.

**231**

See the system programmer response for the accompanying message

**232**

Submit the job again.

**233, 237**

Verify the accuracy of CHECKID for the checkpoint entry in the RESTART parameter of the JOB statement.  
Submit the job again.

**235**

Select another checkpoint entry. Submit the job again.

**238**

Verify the status and contents of all private and implicit catalogs used by this job.

**239**

Change virtual input output (VIO) data sets to DUMMY. Submit the job again.

**260**

Submit the job for a deferred checkpoint restart in a job class that will keep the SWA below 16 megabytes.

**263**

Verify that all unit affinity requests are valid. See [z/OS DFSMSdfp Checkpoint/Restart](#) for restrictions on using dynamic concatenation. Correct unit affinity requests. Resubmit the job.

For reason code 261, 262, 266, 267, 280, 281, 282, 283, 300, 320, 321, 340, 341, 380, 400 or 420 resubmit the job. If the error occurs again, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Scheduler restart

**Module**

IEFXB609

**Routing code**

2,11

**Descriptor code**

6

**IEF008I**

**DASD DEVICE *devnum* NOT VARIED ONLINE - VOLUME SERIAL NOT VALID**

**Explanation**

The system detected a volume serial number that was not valid for a direct access storage device (DASD) during allocation processing of one of the following:

- A VARY online command
- An offline device that was selected for the VARY command either by response to message IEF238D or the allocated/offline installation exit.

In the message text:

***devnum***

The direct access storage device.



## System action

The system does one of the following:

- For the VARY online command, the system leaves the requested device online.
- For an offline device that was selected for the VARY command, the system leaves the device offline, and issues message IEF490I followed by message IEF238D.

## Operator response

Notify the system programmer of the problem. If the problem occurred because of:

- The VARY online command, select another device.
- For an offline device that was selected, either reply to message IEF238D with another device from the list displayed by previous messages IEF448I, IEF877E or IEF878I or reply 'CANCEL' to cancel the job.

## System programmer response

Ensure that the device is functioning correctly. Verify that the device has a correct standard label. If necessary, refresh the volume label and try to vary the device online so that the system can attempt to verify the volume serial. Further errors can indicate that the device experienced a hardware failure; in this case, contact hardware support.

## Source

Allocation

## Module

IEFAB4F8

## Routing code

\*

## Descriptor code

/

IEF009I

**CONCATENATE REQUEST FAILED - ACTUAL/CAPTURED UCB  
ATTRIBUTES OF SPECIFIED DD STATEMENTS DO NOT MATCH**

## Explanation

A request has been made to dynamically concatenate 2 or more DD statements. One or more of the DD statements to be included in the concatenation had its UCB(s) CAPTURED to below-the-line storage and one or more of the DD statements to be included in the concatenation did not have its UCB(s) CAPTURED to below-the-line storage. In order for the system to honor the concatenation request, all DD statements must either have all of their allocated device UCBs CAPTURED to below-the-line storage or none of their allocated device UCBs CAPTURED to below-the-line storage.

**Note:** All UCBs for batch allocated DD statements (JCL) are CAPTURED to below-the-line storage. Dynamically allocated DD statements can request that their allocated device UCBs not be CAPTURED to below-the-line storage by setting the S99ACUCB or S99DXACU indicator in the SVC 99 Request Block (S99RB). S99ACUCB or S99DXACU requests that the UCB(s) for the device(s) being allocated be addressed by its actual address rather than being CAPTURED to below-the-line storage.

## System action

The system disallows the dynamic concatenation and returns dynamic allocation error reason code RCACUCB (X'04E0').

## Programmer response

If the program is attempting to concatenate Batch (JCL) DD statements and dynamically-allocated (SVC 99) DD statements, change the program not to set S99ACUCB or S99DXACU. If the program is attempting to concatenate dynamically-allocated (SVC 99) DD statements only, change the program so it consistently sets S99ACUCB or S99DXACU either on or off.

## Source

Allocation

## Module

IEFDB450

## Routing code

Note 31

## Descriptor code

-

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IEF010I

CHECKPOINT RESTART OF JOB *jobname* ABENDED - *code*

## Explanation

During initialization for restart of a checkpointed job, an error in the processing of the checkpoint data set caused an abend.

In the message text:

### ***jobname***

The name of the checkpointed job.

### ***code***

The abend code.

## System action

The system writes an SVC dump. The system abnormally ends the job.

## System programmer response

See the system programmer response for the abend.

## Source

Scheduler restart

## Module

IEFXB609

## Routing code

2,11

## Descriptor code

6

---

**IEF011I** *jobname [procstep] stepname ddname[+ xxx] – DEVICE dev IS BOXED – CANNOT BE ALLOCATED*

## Explanation

The DD statement requested a specific device. The system could not allocate the device, because some earlier processing (hot I/O processing or VARY dev,OFFLINE,FORCE command processing, for example) boxed the device.

When a device is boxed, these events occur:

- I/O on the device ends.
- Any new I/O requests result in permanent I/O errors.
- No new allocations are done for the device.
- If the device was online, it is marked pending offline. The device goes offline when these conditions occur, in this order:
  1. The device is no longer allocated to any job.
  2. Allocation can get the necessary resources to process the request.

If the device was offline, it remains offline.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets.

### ***dev***

The device name.

## System action

The system ends the job.

## Programmer response

Resubmit the job when the device has been brought back online.

## Source

Allocation

## Module

IEFAB4FD

---

**IEF013I**

***jobname* CANNOT BE CANCELLED BECAUSE IT IS WAITING ON I/O**

---

## Explanation

An attempt was made to cancel the job *jobname*, however it cannot be cancelled while it is waiting for I/O that was initiated as part of job or step termination

In the message text:

***jobname***

Name of the job which could not be cancelled.

## System action

The system continues to wait for the I/O to complete. The cancel command is not processed and the job will end normally when the I/O completes or is timed out.

## Operator response

None. The job will finish when the I/O has completed.

## Programmer response

None.

## Source

Device Allocation

## Module

IEFAB494

## Routing code

2

## Descriptor code

6

---

**IEF014I**

***jobname* [*procstep*] *stepname* *ddname* [+XXX] MAXIMUM GENERATED DDNAMES LIMIT REACHED**

---

## Explanation

On a request to generate a DDNAME for an allocation, the system detected that the step was at its maximum allowable limit of 32,767 for system-generated ddnames.

In the message text:

***jobname***

The name of the job that made the request.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

**ddname**

The name of the DD.

**+xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The allocation request is failed.

**Operator response**

Contact your system programmer.

**System programmer response**

- If the failure occurs in a DB2® environment, contact Db2 support for a possible workaround.
- If not in a Db2 environment, either reduce the number of concurrent system-generated DDNAME allocations or avoid using system-generated ddnames.

**Source**

Allocation

**Module**

IEFDB4Fd

**IEF016I**

***jobname procstep stepname ddname +xxx* UNABLE TO ALLOCATE  
UNINITIALIZED SPOOL DATASET**

**Explanation**

During a spool data set browse allocation request, JES2 determined that the data set was uninitialized (PDBMTTR was zero).

In the message text:

***jobname***

The name of the job that made the request.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname***

The name of the DD.

**+xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The Allocation request is failed.

## Programmer response

Resubmit the spool browse request.

## Source

Allocation

## Module

IEFAB427

---

**IEF017I** *jobname procstep stepname ddname +xxx* **FAILED TO UNLOAD VOLUME**  
*volser* from **DEVICE** *devnum* - *text*

## Explanation

Allocation attempted to unload a volume needed by this job from the device where it is currently mounted but failed.

In the message text:

### ***jobname***

The name of the job that made the request.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the step.

### ***ddname***

The name of the DD.

### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***volser***

The volume serial number

### ***devnum***

The device number

### ***text***

Indicates the cause of the failure and is one of the following:

- DEVICE ENQ FAILED
- DEVICE ASSIGN FAILED

## System action

The Allocation request is failed.

## Programmer response

Resubmit the spool browse request.

## Source

Allocation

## Module

IEFAB441

---

**IEF018I**

**CRITICAL INTERNAL ALLOCATION TAPE PROCESSING ERROR  
DETECTED**

## Explanation

Allocation detected a corrupted hash value for tape processing. Ramifications of a corrupted hash value may include erroneous D U,,AS processing, failure to reclaim devices that are no longer assigned to a foreign host (AFH), and outstanding device enqueues.

## System action

The system issues an abend 05C reason code 254 and takes a dump.

## Operator response

Notify the System Programmer about the message and abend.

## System programmer response

The corruption can be cleared by reIPLing. If you need assistance, contact the IBM Support Center.

## Source

Allocation

## Module

IEFHTSWT, IEFABFX and IEECB859

---

**IEF019I**

***jobname procstep stepname ddname +xxx* THE ALLOCATED/OFFLINE  
EXIT, IEF\_ALLC\_OFFLN, DIRECTED ALLOCATION TO WAIT**

## Explanation

The Recovery Allocation Allocated/Offline Exit requested the special Wait/Nohold Action (XWAITNHL - X'04') to direct Allocation to enter into a Wait/Nohold state even though Allocation does not detect any eligible devices to Wait on.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The Allocation request will be posted from its waiting condition for the following actions:

- An eligible device is Unallocated by another Job on this system.
- An eligible Offline device is brought Online on this system.
- The Job is Cancelled.

## Programmer response

None

## Source

Recovery Allocation

## Module

IEFAB48A

## Routing code

4

## Descriptor code

6

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|         |  |
|---------|--|
| IEF020I | <i>jobname procstep stepname</i> TCT I/O TABLE SIZE EXCEEDS THE 16MB<br>MAXIMUM. |
|---------|--|

## Explanation

In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

## System action

The system fails the dynamic allocation or dynamic concatenation request with dynamic allocation error reason code X'04FC'.

## Programmer response

If the job that received the message has JCL DD statements which specify a high volume count or the job that received the message uses dynamic allocation to allocate data sets and specifies a high volume count, reduce the volume count and rerun the job. If the volume count is derived from the Data Class, use a Data Class which has a lower volume count and dynamic volume count, or contact the Storage Administrator.

## Source

Allocation



## Module

IEFDB4F8 and IEFDB4F9

## Storage Administrator Response

Reduce the volume count or dynamic volume count specified in the DATACLAS.

**IEF021I**

*jobname [procstep] stepname ddname [+ xxx] EXTENDED ADDRESS  
VOLUME USE PREVENTED DUE TO SMS USEEAV(NO) SPECIFICATION.*

## Explanation

When attempting to allocate devices to this request, Allocation was prevented from using EAV devices because of the USEEAV(NO) setting in the IGDSMSxx parmlib member. For a request with specific volumes in the volume list, the setting prevented the allocation. For a non-specific request such as one with UNIT=SYSDA and with no volume list, the exclusion of the EAV volumes did not leave enough volumes to allocate the request.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The allocation request fails. If the request is from a batch job, the job fails. If the request is from Dynamic Allocation, the request fails but the job continues processing unless the application program decides to end.

## Operator response

None.

## System programmer response

If EAV volumes are needed, use the SETSMS command to change the USEEAV setting in IGDSMSxx.

## Source

Allocation

## Module

IEFAB424, IEFAB433

## Routing code

None.

## Descriptor code

None.

**IEF022I**

***jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - REQUESTED DEVICE IS MARKED UNAVAILABLE***

## Explanation

The allocation request failed because the system programmer marked the required tape device as unavailable to allocation by the VARY xxxx,UNAVAILABLE command.

If a VARY ONLINE or VARY AVAILABLE command was done while the job was in allocation, any new devices made available by the command are not available to the job, because jobs in the recovery allocation are still locked onto the eligible device table (EDT) as existed at the start of device allocation processing. The newly available device becomes available only after the job ends, or is cancelled, and then is submitted again.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

System processing continues.

## Operator response

None

## System programmer response

None

## Problem determination

Use the display units command (D U,,,devnum,1) to determine the status of the device as coded in the JCL or dynamic allocation request. If the JCL or dynamic allocation request cannot be updated to request a different device number, use the VARY ONLINE or VARY AVAILABLE commands to change the device status and make it available for allocation. Use the D U,TAPE,UNAVAIL command to show all offline, unavailable tape devices and determine a different device.

## Source

Allocation

## Module

IEFAB424

## Routing code

Note 36

## Descriptor code

N/A

---

**IEF023I**

***jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED -  
NOT ENOUGH ELIGIBLE LIBRARY DEVICES***

## Explanation

The allocation request failed because the request required more tape devices than the number of available devices contained in any eligible system-managed tape library.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Operator response

Reduce the unit count and resubmit the job. If the problem persists, notify the System Programmer.

## System programmer response

The problem might be because some tape library devices are marked unavailable. Because the system cannot use unavailable devices, there might be fewer than the requested number of devices available for allocation. Make more devices available to Allocation by varying them online or by varying them available and resubmit the job. If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM support center.

## Source

Allocation

## Module

IEFAB424

## Routing code

11,Note 36.

## Descriptor code

-

---

**IEF024I**

**DASD DEVICE *devnum* NOT VARIED ONLINE - VOLUME IS INITIALIZED  
TO REMAIN OFFLINE**

## Explanation

The system detected a direct access storage device (DASD) initialized with the RESERVED parameter to remain offline during allocation processing of one of the following:

- A VARY online command.
- An offline device selected for the VARY command either by response to message IEF238D or by the allocated/offline installation exit.

The device characteristics of such a reserved volume are modified during initialization such that the system can recognize the volume as being reserved for future use and, therefore, prevented from being brought online. Refer to *ICKDSF User's Guide and Reference* for details about the RESERVED parameter and use as a reserve storage pool volume.

**Note:** This is not related to a hardware RESERVE used to ensure successful serialization of shared DASD.

In the message text:

### ***devnum***

The direct access storage device.

## System action

The system leaves the requested device offline.

## Operator response

If this message is unexpected, notify the system programmer. If this message was issued due to a VARY online command, select another device. If this message was issued due to a response to message IEF238D, either reply to message IEF238D with another device from the list displayed by previous messages IEF448I, IEF877E or IEF878I, or reply 'CANCEL' to cancel the job.

## System programmer response

Ensure that the device is initialized appropriately. If it is intended to be reserved for future use, no further action is necessary. If it is not intended to be reserved for future use by remaining offline, re-initialize the volume so that it can be brought online. Refer to *ICKDSF User's Guide and Reference* regarding re-initializing a device so that it no longer remains offline.

---

**IEF030I**

**VOLUME *actvol* DOES NOT MATCH REQUESTED VOLUME *reqvol***

## Explanation

This message indicates that the response to IEF238D was for a DASD device with a volume that did not match the volume in message IEF877E. The IEF238D message will be issued again if another unit cannot be found to

satisfy the allocation request. This message is issued as part of IEF104I, which describes why allocation could not bring a device online.

In the message text:

***actvol***

The volume serial number that is mounted on the device.

***reqvol***

The volume serial number that is being required by the allocation request.

## **System action**

The system attempts the allocation again. If a device with the required volume has not been made available by other means, such as an operator vary command, the system issues message IEF238D again.

## **Operator response**

Reply to IEF238D, specify a device number with the required volume, or specify one of the other options.

## **Source**

Allocation

## **Module**

IEFAB4ON

## **Routing code**

2,3/4,7

## **Descriptor code**

6

## **Storage Administrator Response**

Reduce the volume count or dynamic volume count specified in the DATACLAS.

---

**IEF031I****DEVICE CANNOT BE USED**

## **Explanation**

This message is issued as part of IEF104I which describes why Allocation could not bring a device online. IEF031I indicates that Allocation encountered a problem with the device that was specified in the response to IEF238D. One of the following problems occurred:

- The device was assigned to another system.
- The device has a volume serial that duplicates another device already online to the system.
- Device is not accessible.
- An I/O error occurred.
- The device has NED value that is the same as that of another online device. Refer to message IEF293I that is issued along with this message for more information.

## **System action**

The system attempts the allocation again. If a usable device has not been made available by other means, such as an operator vary command, or deallocation by another job, the system issues message IEF238D again.

## Operator response

Reply to IEF238D, specifying a device number that can be used on this system or one of the other options.

## Source

Allocation

## Module

IEFAB4ON

## Routing code

2,3/4,7

## Descriptor code

6

---

|                |   |
|----------------|---|
| <b>IEF032I</b> | <b>STEP/stepname/STOP yyyyddd.hhmm</b><br><b>CPU: xxxxx HR xx MIN xx.xx SEC</b><br><b>SRB: xxxxx HR xx MIN xx.xx SEC</b><br><b>REAL/VIRT: xxxxxK SYS: xxxxxK</b><br><b>EXT: xxxxxxxxK SYS: xxxxxxxxK</b><br><b>ATB- REAL: xxxxxxxxxxxxxxxxxxxxxxK SLOTS: xxxxxxxxxxxxxxxxxxxxxxK</b><br><b>VIRT- ALLOC: xxxxxxxxM SHRD: xxxxxxxxM</b> |
|----------------|---|

## Explanation

This is an informational message that is issued to the job log when the step ends. It provides timing and environmental information about the job step. See the message text field descriptions for details.

In the message text:

### **stepname**

The name of the job step.

### **yyyyddd.hhmm**

The date in Julian format and the time of the day given as the hour (00-23) and the minute (00-59).

### **CPU: xxxxx HR xx MIN xx.xx SEC**

For processor time, which includes enclave time, preemptive class SRB time, client SRB time, and normalized IFA service time, xxxxx HR specifies the number of hours, xx MIN specifies the number of minutes and xx.xx SEC specifies the number of seconds (in seconds and hundredths of a second).

### **SRB: xxxxx HR xx MIN xx.xx SEC**

For system request time, xxxxx HR specifies the number of hours, xx MIN specifies the number of minutes and xx.xx SEC specifies the number of seconds (in seconds and hundredths of a second).

### **REAL/VIRT: xxxxxK SYS: xxxxxK**

REAL/VIRT xxxxxK indicates the maximum kilobytes of storage (high-water mark) that a step used from the user region of the private area. SYS xxxxxK indicates the maximum kilobytes of storage (high-water mark) that the address space used from the following areas: LSQA, SWA, and high private area. The word REAL appears if ADDRSPC=REAL was specified; otherwise, VIRT appears.

### **EXT: xxxxxxxxK SYS: xxxxxxxxK**

EXT xxxxxxxxK indicates the maximum kilobytes of storage (high-water mark) that a step used from the user region of the extended private area. SYS xxxxxxxxK indicates the maximum kilobytes of storage (high-water mark) that the address space used from the following areas: extended LSQA, extended SWA, and extended high private area.

**REAL:**  
Indicates the maximum kilobytes of above the bar storage (high-water mark) that the step used from the user region of the private area.

**SLOTS:**  
Indicates the maximum kilobytes of auxiliary storage (high-water mark) that was used by the step to back the private storage.

**ALLOC:**  
Indicates the maximum megabytes of above the bar virtual storage (high-water mark) that were allocated by the step.

—

Chapter 2. IEF messages **51**

## IEFTB722

## 11

—

**JOB CANCELLED BY INSTALLATION EXIT - xxxxxxxxxx**

The exit indicated in the message returned control to the system with a completion code of four.

XXXXXXXXXX

The name of the exit which set a completion code of four, causing the job to be cancelled.

The system ends the job.

Contact the programmer responsible for the specified exit to determine what local JCL standards have been violated. Correct the violations and resubmit the job.

## Interpreter/System Management Facilities (SMF)

## IEFVHH/IEFTB722

**Actions taken by SMFLIMxx parmlib policy for *jobname stepname***  
**Step REGION BELOW changed to *bbbbbbu* by policy - *memname stmt#***  
**Step REGION ABOVE changed to *mmmmmmu* by policy - *memname stmt#***  
**Step SYSTEM RESERVED BELOW set to *xxxxxuu* by policy - *memname stmt#***  
**Step SYSTEM RESERVED ABOVE set to *yyyyyyu* by policy - *memname stmt#***  
**Step MEMLIMIT set to *zzzzzzu* by policy - *memname stmt#***  
**Step data space number limit set to *nnnnnnnnnnn* by policy - *memname stmt#***  
**Step data shared page limit set to *sssssssssss* by policy - *memname stmt#***  
**Step data space size limit set to *ddddddu* by policy - *memname stmt#***  
**Step DEDICATED MEMORY changed to (*nnnnnn{G|T|P}*, *mmmmm{G|T|P}*) by policy - *memname stmt#***  
**Step canceled due to insufficient DEDICATED MEMORY value (*nnnnnn{G|T|P}*, *mmmmm{G|T|P}*) - *memname stmt#***  
**Step region limit below changed to *rrrrru* by policy - *memname stmt#***  
**Step region limit above changed to *aaaaau* by policy - *memname stmt#***



## Explanation

This message is issued to the joblog when the installation's REGION policy specified in the SMFLIMxx parmlib member has changed the virtual storage setting for the job.

In the message text:

### ***jobname***

The name of the job for which this message is issued.

### ***stepname***

The name of the job step within the job for which this message is issued.

### ***bbbbbu***

Storage values for the below-the-line REGION in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes.

### ***mmmmmu***

Storage values for the above-the-line REGION in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes.

### ***xxxxxu***

Value for below-the-line private storage reserved for non-user-key requests, in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes.

### ***yyyyyu***

Value for above-the-line private storage reserved for non-user-key requests, in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes.

### ***zzzzzu***

Value for MEMLIMIT, for example: total storage available to the job step, in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes, T for terabytes and P for petabytes.

### ***dddddu***

Maximum amount of storage that can be used for data spaces created by a user-key program, in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes, T for terabytes, and P for petabytes.

### ***nnnnnnnnnn***

Maximum number of data spaces created by a user-key program.

### ***sssssssss***

Maximum number of source and target shared pages that can be used at one time by problem state callers using the IARV SERV SHARE services.

### ***memname***

The SMFLIMxx parmlib member name from which the rule that set this limit was derived.

### ***stmt#***

The statement number from the SMFLIMxx parmlib member.

### ***nnnnn{G|T|P}***

The value for the minimum amount of Dedicated Memory that must be assigned to the job step for it to run followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes.

### ***mmmmm{G|T|P}***

value for the target amount of Dedicated Memory that the system should attempt to assign to the job step followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes.

### ***rrrrru***

Storage values for the below-the-line region limit in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes.

### ***aaaaau***

Storage values for the above-the-line region limit in the form of 5 digits followed by a byte multiple indication: K for kilobytes, M for megabytes, G for gigabytes.

## Example:

```
IEF043I Actions taken by SMFLIMHA parmlib policy for USI00001 USI00001
Step REGION BELOW changed to 01024K by policy - SMFLIMHA 0002
Step REGION ABOVE changed to 01024M by policy - SMFLIMHA 0003
Step MEMLIMIT set to 01024M by policy - SMFLIMHA 0004
Step SYSTEM RESERVED BELOW set to 01024K by policy - SMFLIMHA 0005
Step SYSTEM RESERVED ABOVE set to 01024M by policy - SMFLIMHA 0006
Step dataspace number limit set to 0000000100 by policy - SMFLIMHA 0007
Step dataspace size limit set to 00001G by policy - SMFLIMHA 0007
Step shared page limit set to 0000001500 by policy - SMFLIMHA 0008
```

**System action**

SMFLIM processing uses the values as described in the message. Note that the system may further adjust these values, taking into account other attributes of the job and other work within the system.

**Operator response**

None

**System programmer response**

If the values indicated cause the job step to fail, consider changing the rules in the specified SMFLIMxx member by adding a new statement or altering the statement described in the message.

**Programmer response**

This message is informational. No action is needed, unless the programmer determines that different values are needed. In that case, contact the system programmer.

**Source**

System Management Facilities (SMF)

**Module**

IEFSMFIE

**Routing code**

Joblog only

**Descriptor code**

None

**Automation**

None

|                |   |
|----------------|---|
| <b>IEF044I</b> | <b>Actions ignored by SMFLIMxx parmlib policy for <i>jobname stepname</i></b><br><b>Step region below ignored by policy - <i>memname stmt#</i></b><br><b>Step region above ignored by policy - <i>memname stmt#</i></b><br><b>Step region reserved below ignored by policy - <i>memname stmt#</i></b><br><b>Step region reserved above ignored by policy - <i>memname stmt#</i></b> |
|----------------|---|

**Explanation**

This message is issued to the joblog when the installation's REGION policy specified in the SMFLIMxx parmlib member has been ignored for some system address spaces. In the message text:

***jobname***  
The name of the job for which this message is issued.

**stepname**

The name of the job step within the job for which this message is issued.

**memname**

The SMFLIMxx parmlib member name from which the rule that set this limit was derived.

**stmt#**

The statement number from the SMFLIMxx parmlib member.

**Example:**

```
IEF044I Actions ignored by SMFLIMHA parmlib policy for USI00001
USI00001
Step region below ignored by policy - SMFLIMHA 0002
Step region above ignored by policy - SMFLIMHA 0003
Step SYSTEM RESERVED BELOW ignored by policy - SMFLIMHA 0004
Step SYSTEM RESERVED ABOVE ignored by policy - SMFLIMHA 0005
```

**System action**

SMFLIM processing ignored the values as described in the message.

**Programmer response**

This message is informational. No action is needed.

**Source**

System Management Facilities (SMF)

**Module**

IEFSMFIE

**Routing code**

Joblog only.

---

**IEF083I**

**UNIDENTIFIED PARAMETER IN THE *parameter* FIELD**

---

**Explanation**

The system did not recognize the value specified for a parameter in a JCL statement. The value might be misspelled or incorrect.

In the message text:

***parameter***

The JCL parameter for which an incorrect value was specified.

**System action**

The system ends the job but scans the remaining job control statements for syntax errors. The system issues messages about this job to the job log.

**System programmer response**

Correct the parameter and resubmit the job.

**Source**

Converter/interpreter

## Module

IEFVJDTI

**IEF085I**

**REGION UNAVAILABLE, ERROR CODE=*cde***

---

## Explanation

During initialization of a job step, the initiator could not obtain a region for the step.

In the message text:

***cde***

The error code, in decimal, as follows:

**08**

The job step requested a V=V (virtual=virtual) region. The requested address is outside the bounds of the extended private area.

**16**

The job step requested a V=R (virtual=real) region, but one of the following occurred:

- The initiator could not obtain the requested V=R region because of long-fixed or damaged pages in the V=R region.
- Storage within the requested V=R region was varied offline so there is not enough contiguous V=R storage available.
- There is not enough system queue area (SQA) storage available for the system to complete the request.

**20**

Error code 20 may appear for one of several reasons:

- The job step requested a V=V region, but there was not enough virtual storage in the region.
- Fragmentation of the local system queue area (LSQA), scheduler work area (SWA) or subpools 229, 230, or 249 occurred, making it impossible to obtain the region requested by the job step.
- The job step requested a V=R region that exceeds the global V=R area size.

**24**

The job step requested a V=R region that exceeds the defined limits at your installation.

## System action

The system abnormally ends the step with abend code X'822'.

## Operator response

See the operator response for abend X'822'.

## System programmer response

Resubmit the job.

If *cde* is 08, it might be necessary to either decrease the size requested for the region or to submit the job to be run on a system with a larger amount of V=R storage available or a larger private area. For a V=V region, storage above the line might become available by specifying a value greater than 16 megabytes.

If *cde* is 16, display storage (D M operator command) to determine if any offline storage is within the requested V=R region. If there is offline storage in the requested V=R region, vary the offline storage online before resubmitting the job.

If *cde* is 20, and if a V=V region with a size approximately equal to the private area was requested, it might be necessary to decrease the region size. Or, storage above the line might become available by specifying a value greater than 16 megabytes.

If *cde* is 24, request a region whose size is not greater than the limit set by the installation GETPART exit routine. See the system programmer response for abend X'822'.

## Source

Initiator/terminator

## Module

IEFSD263

## Routing code

11

## Descriptor code

-

---

**IEF086I**

**ERROR IN SWA RECOVERY - RESTART CANCELLED. REASON CODE =**  
*reason-code*

## Explanation

During restart of a checkpointed or evicted job, the system found an error while merging control blocks from the job journal with those already in the scheduler work area (SWA). The system could not find a control block that required updating. The following are the decimal reason codes:

- 1** Failing step not found on journal.
- 2** VIO merge failed.
- 3** Template mismatch in system merge.
- 4** VAT and journal ID's do not match.
- 5** Critical block without a matching VAT entry.
- 6** Not all SVAs were matched.
- 7** Template mismatch in checkpoint merge.
- 8** Template mismatch in step merge.
- 9** SJF delete failed.
- 10** SJF put failed.
- 11** A job was evicted with the \$EJnn,STEP,HOLD (or equivalent) command and restarted. The restarted job fails because a step following the restart relies on data set information that was created and passed from a step that executed prior to the evict. The job failed while attempting to attain the passed data set information. Job steps that rely on passed data set information are not supported for evict restart processing. See [\\$E Job - Restart a job](#) in [z/OS JES2 Commands](#) for more information on job evict restrictions and requirements.

In the message text:

***reason-code***

The internal reason code.

**System action**

The system stops restart of the job.

**System programmer response**

Resubmit the job as a deferred step or a checkpoint/restart. If the problem recurs, contact the IBM Support Center and provide the internal reason code.

**Source**

Scheduler restart

**Module**

IEFXB601

**Routing code**

11

**Descriptor code**

6

---

**IEF087I**

**ERROR ON JOB JOURNAL - RESTART CANCELLED. REASON CODE =**  
***reason-code***

**Explanation**

During restart of a checkpointed job, the system found an error while accessing the job journal. The error occurred during processing of a GET macro. The following are the decimal reason codes:

- 1** Point failed - Step header record.
- 2** Unexpected step header record.
- 3** Unexpected end of file.
- 4** Point failed - Job header record.

In the message text:

***reason-code***

The internal reason code.

**System action**

The system stops restart of the job.

**System programmer response**

Resubmit the job as a deferred step or a checkpoint/restart. If the problem recurs, contact the IBM Support Center and provide the reason code.

## Source

Scheduler restart

## Module

IEFXB601

## Routing code

11

## Descriptor code

6

---

|                |  |
|----------------|--|
| <b>IEF089I</b> | <b>ERROR ON WRITE TO JOB JOURNAL-JOB NOT ELIGIBLE FOR RESTART.</b> |
|----------------|--|

## Explanation

During journaling of a checkpointed job, the system found an error while attempting to write to the job journal.

## System action

The system issues message IEF168I and continues processing the job. The system does not do any more journaling for this job.

## Programmer response

Ignore the message if the job completed successfully. If the job fails, see message IEF168I.

## Source

Scheduler restart

## Module

IEFXB501

## Routing code

11

## Descriptor code

6

---

|                |   |
|----------------|---|
| <b>IEF090E</b> | <b>PROTECT KEY UNAVAILABLE <i>jobname</i> PLACED ON HOLDQ</b> |
|----------------|---|

## Explanation

During initialization of a job step, the initiator could not assign the job a needed protection key. The job requested ADDRSPC=REAL for at least one step; all protection keys, 9 through 15, were currently assigned to other jobs that require unique protection keys. The jobs that require unique protection keys are those that specify ADDRSPC=REAL for one or more steps.

In the message text:

### ***jobname***

The job name.

## System action

The initiator places the job on the HOLD queue.

## Operator response

Either release the job from the HOLD queue at a time when a protection key is available or cancel the job. If a protection key does not become available soon, enter a DISPLAY A command to determine if fewer than 7 jobs are reserving a protection key. If there are fewer than 7 jobs, tell the system programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the appropriate group at the IBM Support Center.

## Source

Initiator/terminator

## Module

IEFSD161

## Routing code

1

## Descriptor code

3

---

IEF091I

PROTECT KEY UNAVAILABLE START *ppp* REJECTED

## Explanation

During a start of the program, the system required a unique protection key, but all protection keys (9 through 15) were assigned to other jobs. The jobs that require unique protection keys are those that specify ADDRSPC=REAL for one or more steps. In the message text:

***ppp***

The name of the procedure where the program started.

## System action

The initiator does not start the program.

## Operator response

If the program is required, enter the START command at a time when a protection key is available. Enter the DISPLAY A command to determine if fewer than 7 jobs are reserving a protection key. If there are fewer than 7 jobs, tell the system programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the appropriate group at the IBM Support Center.



## Source

Initiator/terminator

## Module

IEFSD161

## Routing code

2

## Descriptor code

4

---

**IEF092I**

*jobname [procstep] stepname* WAITING FOR *xxxK* REAL STORAGE

---

## Explanation

During initiation of a procedure, real storage manager could not obtain the requested V=R region.

In the message text:

### ***jobname***

The name of the job that requested real storage.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the step.

### ***xxxK***

The size of the requested region of real storage.

## System action

The initiator waits until the storage is available.

## Operator response

Do one of the following:

- Enter a CANCEL command for other jobs that are running in V=R storage, in an effort to free V=R storage.
- Enter a CANCEL command for the job.

## System programmer response

If this message occurs frequently:

- Recreate the problem and ask the operator to enter a DUMP command and reply with the SDATA options NUC, PSA, and SQA.
- Analyze the dump for RSMDATA SUMMARY information.
- Analyze the dump for RSMDATA REALFRAME information.
- Increase the amount of non-preferred storage by increasing the size of the RSU parameter in the IEASYSxx parmlib member. If this does not correct the problem, continue with the next step.
- Increase the amount of V=R storage by increasing the size of the REAL parameter in the IEASYSxx parmlib member. If this does not correct the problem, continue with the next step.
- Change the attributes in the program property table (PPT) to make any job polluting the V=R region a preferred user in the PPT. Use the SCHEDxx parmlib member to update the PPT bits.

## Source

Initiator/terminator

## Module

IEFSD263

## Routing code

2

## Descriptor code

6

---

**IEF093I**

**INITIATOR TERMINATED DUE TO REGION LOSS *location***

---

## Explanation

When ending a batch job, the initiator/terminator found that the maximum possible region size had decreased by more than the amount specified on the CHECKREGIONLOSS parameter in parmlib member DIAGxx. See [z/OS MVS Initialization and Tuning Reference](#) for more information on DIAGxx. The initiator will terminate to avoid abend 822 in a subsequent job that was selected by this initiator.

In the message text:

### ***location***

The *location* is one of the following:

- ABOVE 16 MB
- BELOW 16 MB
- ABOVE AND BELOW 16 MB

## System action

The system ends the current job normally. The initiator in this address space will be ended and restarted in another address space.

## System programmer response

If desired, a dump can be obtained by setting a SLIP trap which specifies MSGID=IEF093I and rerunning the job which caused the problem.

## Source

Initiator/Terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

6

## Explanation

When ending a batch job, the initiator/terminator found that the maximum possible region size had decreased by more than the amount specified on the CHECKREGIONLOSS parameter in parmlib member DIAGxx. See *z/OS MVS Initialization and Tuning Reference* for more information on the DIAGxx parmlib member. The initiator terminates to avoid abend 822 in a subsequent job that was selected by this initiator.

In the message text:

### ***location***

The *location* is one of the following:

- ABOVE 16 MB
- BELOW 16 MB
- ABOVE AND BELOW 16 MB

## System action

The system ends the current job normally. The initiator in this address space will be ended.

## Operator response

Restart the initiator that ended.

## System programmer response

If desired, a dump can be obtained by setting a SLIP trap which specifies MSGID=IEF094A and rerunning the job which caused the problem.

## Source

Initiator/Terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

11

## Explanation

Under JES2, the system issues this message when the job is complete. Under JES3, the system issues this message when a user submits a job.

In the message text:

### ***jobname***

The name of the job that failed.

**userid**

The identifier for the user who submitted the job.

**System action**

The system processes the job. Under JES3, the system sends the message to the system log.

**Source**

JES/scheduler services

**Module**

IEFCMAUT

**Routing code**

Note 13

**Descriptor code**

-

---

**IEF098I****SCHEDxx LINE num: PPT STMT IGNORED. NO OPERANDS SPECIFIED.****Explanation**

During system initialization, the initiator found an incorrect program properties table (PPT) statement in the SCHEDxx parmlib member. The PPT statement is incorrect because it contains no operands.

In the message text:

**xx**

The suffix of the SCHED parmlib member.

**num**

The line number of the incorrect PPT statement.

**System action**

The system continues processing with the next statement in the SCHEDxx parmlib member. System initialization continues.

**System programmer response**

Check the SCHEDxx parmlib member for the incorrect PPT statement.

**Source**

Initiator/terminator

**Module**

IEFPPT

**Routing code**

10

## Descriptor code

6

---

**IEF099I**

**JOB *jobname* WAITING FOR DATA SETS**

---

## Explanation

During initialization of a job, the job required data sets that were not available. These data sets are named in message IEF863I. When the data sets become available, the system will reserve them for the job and job initialization will continue.

In the message text:

***jobname***

The job name.

## System action

The system issues message IEF863I to identify the unavailable data sets, and suspends processing of the job until those data sets become available.

## Operator response

If you want to end processing of the job, enter the CANCEL command. The job will not time out (abend S522).

## Source

Initiator/terminator

## Module

IEFSD102

## Routing code

2

## Descriptor code

2,7

---

**IEF100I**

***text1* [*text2*] ABEND=*cde*[,REASON=*rrrrr*]**

---

## Explanation

*text1* is one of the following:

- ALLOCAS FAILED
- ERROR
- FAILED

*text2* is one of the following:

- DURING CREATE,
- DURING INITIALIZATION,
- DURING PROCESSING,

An error occurred in allocation processing. In the message text:

**ALLOCAS FAILED DURING *phase***

The error occurred in the allocation address space.

**ERROR**

The error occurred in allocation processing.

**FAILED**

The error causes the system to end the allocation address space.

If the system can determine when the error occurred, one of these phrases appears as *phase*:

**CREATE**

The error occurred while the system was creating the allocation address space.

**INITIALIZATION**

The error occurred while the system was initializing the allocation address space.

**PROCESSING**

The error occurred during allocation processing:

- In a PC (program call) instruction to the allocation address space.
- While manipulating data in the allocation address space.
- After processing a PT (program transfer) instruction from the allocation address space.

**ABEND=*cde***

The system completion code that describes the error.

**REASON=*rrrrr***

Appears if the value for *cde* is 05C. Report this reason code to the IBM Support Center. See [z/OS MVS System Codes](#) for more information on the abend and reason codes.

**System action**

If ERROR appears in the message text, allocation processing continues. If FAILED appears, the running unit of work is terminated. If DURING INITIALIZATION appears, the system ends the allocation address space and cannot allocate tape devices or run the DISPLAY U,,ALLOC command, which will likely require the system to be reIPLed. In either case, the system writes an SVC dump and a logrec data set error record.

**Operator response**

Notify the system programmer.

**System programmer response**

If the system ended the allocation address space, that address space does not restart until system reIPL.

**Source**

Allocation

**Module**

IEFAB4E6

**Routing code**

2,10

**Descriptor code**

4

---

**IEF101I*****jobname [procstep] stepname STEP FAILED, UNABLE TO RESOLVE UNIT  
AFFINITY, REASON reason-code***

## **Explanation**

The user specified UNIT=AFF= on a DD statement. JES3 and MVS did not process the unit affinity in the same manner.

In the message text:

### ***jobname***

The name of the job that contains the DD with UNIT=AFF=.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the step.

### ***reason-code***

One of the following:

**1**

JES3 invoked SMS for unit affinity processing, while MVS did not.

**2**

MVS invoked SMS for unit affinity processing, while JES3 did not.

## **System action**

The system ends the job.

## **System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## **User response**

Notify the system programmer.

## **Source**

Allocation (SC1B4)

## **Module**

IEFAB422

## **Routing code**

11

## **Descriptor code**

6

---

**IEF102I*****jobname [procstep] stepname ddname [+ xxx] - UNRECOVERABLE  
DADSM ERROR OCCURRED***

## **Explanation**

An unrecoverable direct access device space management (DADSM) error occurred while trying to create a data set. A return code of 196 was returned by DADSM. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Probable system error.

**Source**

Allocation

**Routing code**

11

**Descriptor code**

-

---

**IEF103I** *jobname [procstep] stepname ddname [+ xxx] - UNKNOWN DADSM*  
**ERROR RETURN CODE - nnnn**

**Explanation**

During data set allocation, direct access device space management (DADSM) returned an unknown error return code to device allocation. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.



**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**nnnn**

The return code returned by DADSM.

**System action**

The system ends the job.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Probable system error.

**Source**

Allocation

**Routing code**

11

**Descriptor code**

-

---

**IEF104I**

**UNIT *dev* NOT BROUGHT ONLINE**

**Explanation**

The system could not bring the requested device online, because there are no paths available to the device. This message will be followed immediately by other error messages that explain the cause of the failure.

In the message text:

***dev***

The device number.

**System action**

The system does not bring the requested device online. The system issues other messages that follow this message explaining the cause of the failure.

**Operator response**

See the operator response for accompanying messages to correct the condition before the device can be brought online.

**Source**

Allocation/unallocation

## Module

IEFAB488

## Routing code

2,3/4,7

## Descriptor code

-

---

**IEF105I** *jobname [procstep] stepname ddname callname* UNKNOWN ERROR  
DURING LOGICAL PARMLIB SERVICE PROCESSING.

## Explanation

An ESTAE was entered for an unknown reason.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callname***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service returns to its caller without performing the requested function.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF106I** *jobname* - UNIT *dev* BROUGHT ONLINE NAME=*name* CODE=*code* [*text*]...

## Explanation

The system brought the specified device online. The device may or may not be usable depending on the hardware or software status of the device. This message is followed by additional information consisting of a name, a code, and details describing the status of the device. The system marks the end of the additional information with an end-of-message indicator.

In the message text:

### ***jobname***

The name of the job that is bringing the device online.

### ***dev***

The device number of the unit.

### ***name***

A 1- to 8-character name

### ***code***

An 8-digit number that, in conjunction with the name, uniquely identifies the condition

### ***text***

A set of messages that further describe the device status. If the device is not usable, these details may suggest remedial action.

## System action

The system brings the device online, but conditions may exist that make the device unusable.

## Operator response

Check the additional information to determine if the device is usable. If the device is not usable in its current state, check the message text for a suggested remedial action and follow that procedure.

## System programmer response

If the problem persists, search problem reporting databases for a fix. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB488

## Routing code

2,3/4,7

## Descriptor code

6

---

**IEF107I** PARMLIB CONCATENATION WAS UPDATED FROM *loadxx*

## Explanation

The SETLOAD PARMLIB command processed successfully.

In the message text:

### ***loadxx***

The name of the LOADxx parmlib member used to dynamically change the parmlib concatenation.

## Source

Allocation/Unallocation

## Module

IEFPSACT

## Routing code

-

## Descriptor code

5

**IEF108I**

---

***jobname [procstep] stepname callername* READ BUFFER INPUT TO  
LOGICAL PARMLIB SERVICE HAS INVALID FORMAT.**

## Explanation

There is an error in the read buffer format. The read buffer size is less than the minimum size allowed. The minimum read buffer size is the size of the read buffer header.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service returns to its caller without performing the requested function.

## System programmer response

Contact the owner of the program that issues IEFPRMLB.

## Programmer response

If the calling program is an installation program, ensure that the input read buffer has the proper format. Otherwise, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF109I**

**PARMLIB CONCATENATION WAS NOT UPDATED FROM *loadxx*. *reason***

---

## Explanation

The SETLOAD PARMLIB command did not process successfully.

In the message text:

### ***loadxx***

The name of the LOADxx parmlib member used to dynamically change the parmlib concatenation.

### ***reason***

One of the following:

- **INSUFFICIENT STORAGE AVAILABLE**
  - There was insufficient storage space to process the request
- **THE LIMIT OF DATA SETS WAS EXCEEDED WHEN PROCESSING DATA SET *dsname***
  - The LOADxx parmlib member specified more than 10 data sets. *dsname* is the name of the data set being processed when the limit was exceeded.
- **IEFPRMLB RETURN CODE=*return-code* REASON=*reason***
  - An unexpected error occurred. The return and reason codes are from the IEFPRMLB service. A message issued by the IEFPRMLB service accompanies this message.

## System action

The system continues to use the parmlib concatenation that existed before the SETLOAD command was issued.

## Operator response

Depending on the message text, do one of the following:

### **INSUFFICIENT STORAGE AVAILABLE**

Re-issue the SETLOAD command. If it fails again, contact the system programmer.

### **THE LIMIT OF DATA SETS WAS EXCEEDED WHEN PROCESSING DATA SET**

Contact the system programmer. Re-issue the SETLOAD command after the system programmer corrects the *loadxx* member.

### **IEFPRMLB RETURN CODE=*return-code* REASON=*reason***

Contact the system programmer.

## System programmer response

Depending on the message text, do one of the following:

### **INSUFFICIENT STORAGE AVAILABLE**

Examine the system log to try and determine why the shortage occurred. Fix the problem, if possible, and have the operator re-issue the SETLOAD command. If unable to determine or fix the cause of the storage shortage, contact IBM Software Support.

## THE LIMIT OF DATA SETS WAS EXCEEDED WHEN PROCESSING DATA SET

Examine the *loadxx* member and ensure that no more than 10 parmlib data sets are specified.

## IEFPRMLB RETURN CODE=*return-code* REASON=*reason*

Examine the console log to determine why the logical parmlib service failed. If necessary, contact IBM Software Support.

### Source

Allocation/Unallocation

### Module

IEFPSACT

### Routing code

-

### Descriptor code

5

---

IEF110I

UNIT *dddd* DEALLOCATED BY SYSTEM DURING VARY OFFLINE  
PROCESSING BECAUSE NO ALLOCATED ASID WAS FOUND

### Explanation

Unit *dddd* was in the process of being varied offline (either due to operator request, processing of a previously pending offline device, or due to system action), when it was found to be marked allocated. However, the allocation was not recorded in any currently-valid address space on the system; this means that no job, started task, or subsystem that allocated the unit using JCL or dynamic allocation remains allocated to the unit. Therefore, the allocation is treated as an invalid allocation and removed by the system.

### System action

The unit is deallocated by the system. All system-maintained counts of users allocated to the unit are reinitialized. Vary offline processing continues.

### System programmer response

Message IEF110I indicates the unit was marked allocated when it shouldn't be marked allocated. Most likely, this is due to an IPL-time subsystem or system service that simply marked the Unit Control Block (UCB) allocated, and subsequently failed to mark the unit unallocated. However, if you know of a system service that marks a unit allocated in this way, and has not terminated yet (that is, the system service or program is still up and running and may actively be using the unit), leave the device offline (once it goes offline), since that system service is still allocated to it. Otherwise, it is probably safe to bring the unit back online, particularly if it is a sharable device (that is, DASD). If the unit is a non-sharable device (that is, tape), and you want to be absolutely sure that multiple users are not allocated to the unit at the same time, then leave the unit offline until the next IPL.

If this message appears repeatedly, examine the unit for possible hardware errors. If none are found, search problem reporting databases for a fix. If none is found, contact the IBM Support Center.

### Programmer response

The unit may be varied back online and made available for use. Report message IEF110I to your system programmer, because this may indicate an unusual condition in the system.

## Source

Allocation

## Module

IEFAB429

## Routing code

2,3/4/7/8

## Descriptor code

4

---

**IEF111I** *jobname [procstep] stepname ddname [ + xxx ] ALLOCATION FAILED -  
DEVICE dev IS NOT IN LIBRARY library*

## Explanation

The allocation request failed because the named device is not in the same library as the requested volume.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***dev***

The device number of the device to be allocated to the volume.

***library***

The name of the library containing the volume to be allocated.

## System action

The system fails the allocation request.

## System programmer response

Ensure that the DD statement specifies a device that resides in the same library as the volume to be allocated. Then resubmit the request.

## Source

Allocation/Unallocation

## Module

IEFAB424

## Routing code

11

## Descriptor code

6

---

**IEF112I** *jobname [procstep] stepname ddname [ + xxx ] UNABLE TO ALLOCATE  
UNITS TO ONE GENERIC. REQUESTED ddd1, STILL NEEDED ddd2*

## Explanation

GENERICICS *generic* {, *generic*...}

The allocation request failed because the request requires that all tape devices have the same generic unit name. The system could not assign all devices within one of the eligible generic unit names.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the cataloged procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***ddd1***

The number of tape devices requested.

### ***ddd2***

The number of tape devices still required.

### ***generic***

A generic unit name that is eligible for the request.

## System action

The system fails the allocation request.

## Programmer response

Do one of the following:

- Reduce the number of devices required by the DD statement.
- Reduce the number of devices required by the step.
- Balance the total number of required devices among the DD statements in the step.

Then resubmit the job.



## Source

Allocation/Unallocation

## Module

IEFAB486

## Routing code

11

## Descriptor code

2

---

**IEF113I** *jobname [procstep] stepname ddname [ + xxx ] ALLOCATION FAILED - A  
LIBRARY REQUEST SPECIFIED A NON-LIBRARY DEVICE dev*

## Explanation

A library-eligible allocation request failed because it specified a device that does not reside in a library.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the cataloged procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the dd statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***dev***

The device number of the device specified for allocation.

## System action

The system fails the allocation request.

## Programmer response

Choose a device that resides in the same library as the volume(s) to be allocated. Then resubmit the job.

## Source

Allocation/Unallocation

## Module

IEFAB424

## Routing code

11

## Descriptor code

6

---

**IEF114I**

**DEVICE POOLS *devpool-list***

## Explanation

This message displays a list of the tape device pools associated with a prior message.

In the message text:

### ***devpool-list***

The list of tape device pools.

## System action

See the system action for the prior message.

## System programmer response

See the system programmer response for the prior message.

## Source

Allocation/Unallocation

## Module

IEFAB423

## Routing code

11

## Descriptor code

6

---

**IEF115I**

***jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - ddd***  
**UNITS REQUIRED, BUT NO LIBRARY HAS ENOUGH UNITS**

## Explanation

The allocation request failed because the request required more tape devices than contained in any eligible system-managed tape library. Message IEF114I, which displays the eligible device pools, might accompany this message.

If a dynamic ACTIVATE was done while the job was in allocation, any new devices or device pools added by the new configuration are not available to the job, because jobs in the recovery allocation are still locked onto the Eligible Device Table (EDT) for the previous configuration. The new configuration does not become available until the job ends, or is cancelled, then is submitted again.

In the message text:

### ***jobname***

The name of the job.

**procstep**

The name of the step in the cataloged procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**ddd**

The number of tape devices required.

**System action**

The system fails the allocation request.

**System programmer response**

Ensure that sufficient tape device pools are defined to this system. Then, resubmit the request. If the failure occurred while the job was in recovery allocation, and a dynamic ACTIVATE was done at the same time, resubmit the job when the activate completes.

**Programmer response**

Reduce the number of tape devices required by this DD statement and then resubmit the job. If this is not possible, notify the system programmer.

**Source**

Allocation

**Module**

IEFAB424

**Routing code**

11

**Descriptor code**

6

---

**IEF116I** *jobname stepname* MOUNT OF VOLUME *ser* ON DEVICE *dev* FAILED**Explanation**

The system was unable to mount the tape volume so that the requested data set could be allocated.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***ser***

One of the following:

- a specific tape volume serial number
- SCRTCH
- PRIVAT

SCRTCH or PRIVAT indicate non-specific volume requests. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=\*&tempname]. PRIVAT is used for all other cases of non-specific volumes.

***dev***

The device number of the device where the tape volume was to be mounted.

**System action**

The system fails the job and unloads the tape volume. Other error messages explaining the cause of the failure accompany this message.

**Operator response**

See the operator response for the accompanying message.

**System programmer response**

See the system programmer response for the accompanying message.

**Source**

Allocation

**Module**

IEFAB49D

**Routing code**

11

**Descriptor code**

6

---

**IEF118I** *jobname stepname* MOUNT OF VOLUME *ser* ON DEVICE *dev* FAILED

**Explanation**

The system was unable to mount the volume because of an internal error.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***ser***

The volume serial number, which is one of the following:

- A specific tape volume serial number
- SCRTCH

- PRIVAT

SCRTCH or PRIVAT indicate non-specific volume requests. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=\*&tempname]. PRIVAT is used for all other cases of non-specific volumes.

***dev***

The device number of the tape device where the volume was to be mounted.

## System action

The system fails the job, unloads the tape volume, and requests an SVC dump.

## System programmer response

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SVC dump.

## Source

Allocation

## Module

IEFAB49D

## Routing code

11

## Descriptor code

6

---

**IEF119I**

**ERROR VERIFYING INTERNAL VOLUME LABEL *ser* ON DEVICE *dev***

---

## Explanation

An error occurred while the system was verifying the internal volume label of a previously-mounted system-managed tape library volume. Other error messages, that explain the cause of the failure, accompany this message.

In the message text:

***ser***

The internal volume serial number of the tape volume being verified.

***dev***

The device number of the tape device where the tape volume being verified is mounted.

## System action

The system unloads the tape volume unless the verification is being done because of a VARY *dev*, ONLINE operator command.

## Operator response

See the operator response for the accompanying message.

## System programmer response

See the system programmer response for the accompanying message.

## Source

Allocation/Unallocation

## Module

IEFAB473

## Routing code

3

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IEF120I</b> | <b><i>jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - A<br/>NON-LIBRARY REQUEST SPECIFIED A LIBRARY DEVICE dev</i></b> |
|----------------|---|

## Explanation

The allocation request failed because a volume that is not in a system-managed tape library cannot be mounted on a system-managed tape library device.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the cataloged procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***dev***

The device number of the specified system-managed tape library device.

## System action

The system fails the job.

## Programmer response

If you can avoid requesting a specific device (also called a demand allocation request), change the UNIT parameter to specify a generic unit name or an esoteric unit name and resubmit the allocation request. Otherwise, specify a tape device that is not in a system-managed tape library.

**Source**

Allocation

**Module**

IEFAB424

**Routing code**

11

**Descriptor code**

6

---

**IEF121I****ALLOCATION QUEUE CHAIN ERROR DETECTED AND REPAIRED**

---

**Explanation**

While scanning an Allocation queue, an ABEND occurred because the queue was corrupted. The system repaired the allocation queue chain.

**System action**

A dump is taken and the job is failed. The system repairs the affected queue.

**Operator response**

Notify the System Programmer.

**System programmer response**

Although the system repaired the queue damage, depending on the severity of the queue damage, one or more jobs may be left in a permanent wait and must be cancelled. If any jobs appear to be waiting for unknown reasons, or if there were jobs waiting for devices to become available and now seem to be waiting inappropriately (that is, it appears eligible devices have become available), then those jobs may have been left in a permanent wait. It may be necessary to cancel the job and resubmit it.

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center and provide the dump.

**Source**

Allocation

**Module**

IEFAQREP

**Routing code**

2,10

**Descriptor code**

12

---

**IEF121A****CRITICAL ALLOCATION QUEUE CHAIN ERROR DETECTED**

---

## Explanation

While scanning an Allocation queue, an ABEND occurred because the queue was corrupted. The system attempted to repair the allocation queue chain but was unable to do so.

## System action

A dump is taken and the job is failed. The system marks the affected queue as empty to prevent further ABENDs.

## Operator response

Notify the System Programmer.

## System programmer response

Most likely one or more jobs have been left in a permanent wait and must be cancelled. If any jobs appear to be waiting for unknown reasons, or if there were jobs waiting for devices to become available and now seem to be waiting inappropriately (that is, it appears eligible devices have become available), then those jobs may have been left in a permanent wait. It may be necessary to cancel the job and resubmit it.

Search problem reporting databases for a fix for the problem. if no fix exists, contact the IBM Support Center and provide the dump.

## Source

Allocation

## Module

IEFAQREP

## Routing code

1,10

## Descriptor code

2

---

**IEF122I** *jobname [procstep] stepname ddname [+ xxx] SMS DETECTED AN ERROR DURING DATA SET STACKING.*

## Explanation

The system cannot allocate the specified DD statement due to an unrecoverable error encountered by SMS.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information



on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### System action

The system ends the job.

### System programmer response

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Programmer response

Resubmit the job.

### Source

Allocation

### Module

IEFAB42B

---

|                |  |
|----------------|--|
| <b>IEF123I</b> | <b><i>jobname [procstep] stepname ddname [+ xxx] SMS DETECTED AN ERROR DURING DEVICE POOL SERVICES PROCESSING.</i></b> |
|----------------|--|

---

### Explanation

The system cannot allocate the specified DD statement due to an unrecoverable error encountered by SMS.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### System action

The system ends the job.

### System programmer response

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB42B

**IEF124I**

***jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED -  
DEVICE POOL dpoolnam COULD NOT BE FOUND IN THE ACTIVE EDT***

## Explanation

The allocation request failed because SMS provided allocation with a Library Device Pool name that could not be found in the active EDT for this allocation.

This condition is primarily caused during the period of time after a job has entered, but not completed, device allocation, and a new SMS library device pool is introduced into the configuration through a dynamic activate.

In the message text:

### ***jobname***

The name of the job being processed.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***dpoolnam***

The name of the Device Pool that could not be found in the active EDT for this allocation.

## System action

The system fails the job.

## Operator response

Re-run the failed job. If the error persists, notify the System Programmer.

## System programmer response

Ensure there are no outstanding configuration Activates. If there are none, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB424

---

**IEF125I**

***userid*-LOGGED ON [-TIME=*hh.mm.ss*]**

---

## Explanation

In response to a MONITOR command with JOBNAMES or SESS in its operand, this message indicates that a user has logged on to the system under time sharing. If T is also specified in the command, then the time of day appears in the message. In the message text:

### ***userid***

The user who logged on to the system.

### ***hh.mm.ss***

The time given as the hour (00-23), the minute (00-59), and the second (00-59).

## System action

The session enters allocation.

## Operator response

None. However, if the user should not be logged on at this time, enter the CANCEL U=*userid* command and the session will be ended.

## Source

Allocation

## Module

IEFBB401

## Routing code

Note 7

## Descriptor code

4

---

**IEF126I**

***userid*-LOGGED OFF [-TIME=*hh.mm.ss*]**

---

## Explanation

In response to a MONITOR command with JOBNAMES or SESS in its operand, this message indicates that the user logged off of the system. This message is not issued if the session has abnormally ended. If T is also specified in the command, then the time of day appears in the message. In the message text:

### ***userid***

The user who has logged off of the system.

### ***hh.mm.ss***

The time given as the hour (00-23), the minute (00-59), and the second (00-59).

## System action

The session ends.

## Source

Allocation

## Module

IEFBB401

## Routing code

Note 7

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IEF127I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - NO SPACE PARAMETER<br/>OR ZERO SPACE REQUEST AT ABSTR ZERO</i></b> |
|----------------|--|

## Explanation

During allocation, the system found one of the following errors:

- No SPACE parameter appears in a DD statement that defines a new direct access data set.
- An absolute track request was made for no space (zero space) beginning at absolute track zero.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

If the data set is not new, correct the DISP parameter by specifying OLD, SHR, or MOD. If the data set is new, add a SPACE parameter. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

IEF128I

*jobname [procstep] stepname ddname[+ xxx] - INVALID REQUEST FOR ISAM INDEX*

## Explanation

The system cannot allocate space for the index of a new indexed sequential data set for one of the following reasons:

- A DD statement specified the index quantity subparameter in its SPACE parameter, thus requesting an embedded index for the index or overflow area.
- A DD statement specified an index quantity in the SPACE parameter, DSNAME=name(PRIME), and a device number greater than 1 in the UNIT parameter. Thus, the DD statement requested an embedded index for multivolume prime area.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Correct the faulty DD statement, and rerun the job. In the first case, delete the index quantity subparameter. In the second case, delete the index quantity subparameter or change the device number subparameter to 1.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

IEF129I

*jobname [procstep] stepname ddname[+ xxx] - MULTIVOLUME INDEX  
NOT ALLOWED*

## Explanation

The system cannot allocate a multivolume index for a new indexed sequential data set. A device number greater than 1 cannot be specified in the UNIT parameter of a DD statement that also specifies DSN=dsn(INDEX). In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *ddname*

The name of the DD statement.

### *+ xxx*

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Delete the device number subparameter, or reduce it to 1. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

IEF130I

*jobname [procstep] stepname ddname[+ xxx] - DSN=dsn ELEMENT  
WRONG - MUST BE INDEX, OVFLOW, OR PRIME*

## Explanation

In one of the DD statements defining an indexed sequential data set, the element part of the DSN=dsn parameter is other than PRIME, INDEX, or OVFLOW. In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Operator response**

List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands.

**Programmer response**

Correct the element subparameter. Ask the operator to enter the DFP LISTCAT command. Then rerun the job.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

**IEF131I**

***jobname [procstep] stepname ddname[+ xxx] - MULTIVOLUME OVFLOW  
REQUEST NOT ALLOWED***

**Explanation**

A DD statement requests a multivolume overflow area for a new indexed sequential data set by specifying a device number greater than 1 in the UNIT parameter and DSNAME=name (OVFLOW). This is not allowed. In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Operator response**

List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands.

**Programmer response**

Change the device number subparameter to 1. Ask the operator to enter the DFP LISTCAT command. Rerun the job.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

**IEF132I**

***jobname [procstep] stepname ddname[+ xxx] - SPACE PARAMETER  
WRONG - CYL AND ABSTR CONFLICT***

**Explanation**

The SPACE parameters are incorrect in the DD statements defining an indexed sequential data set. One SPACE parameter specified ABSTR and another specified CYL. Space for one area of an indexed sequential data set cannot be allocated using the CYL subparameter while the space for another area is allocated using the ABSTR subparameter. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.



**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Operator response**

List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands.

**Programmer response**

Correct the SPACE parameter. Ask the operator to enter the DFP LISTCAT command. Then rerun the job.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

**IEF133I**

***jobname [procstep] stepname ddname[+ xxx] - SPACE PARAMETER  
WRONG - CYL AND CONTIG CONFLICT***

**Explanation**

The SPACE parameters are incorrect in the DD statements defining an indexed sequential data set. The CONTIG subparameter appears for a CYL request in one SPACE parameter, but not in another. Space for one area of an indexed sequential data set cannot be allocated contiguously if space for another area is not.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Operator response**

List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands.

**Programmer response**

Correct the SPACE parameter. Ask the operator to enter the DFP LISTCAT command. Rerun the job.

**Source**

Allocation

**Module**

IEFAB43I

**Routing code**

11

**Descriptor code**

-

**IEF134I**

***jobname [procstep] stepname ddname[+ xxx] - SUBPARAMETER WRONG  
IN SPACE PARAMETER - MUST BE CYL OR ABSTR***

**Explanation**

The SPACE parameter is incorrect in a DD statement defining a new indexed sequential data set. The SPACE parameter contains a subparameter other than CYL or ABSTR.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information

on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Operator response

List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands.

## Programmer response

Correct the incorrect subparameter. Ask the operator to enter the DFP LISTCAT command. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

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|         |   |
|---------|---|
| IEF135I | <i>jobname [procstep] stepname ddname[+ xxx] - PRIMARY SPACE</i><br>REQUEST MAY NOT BE ZERO |
|---------|---|

## Explanation

The SPACE parameter is incorrect in a DD statement defining a new indexed sequential data set. The primary space subparameter is zero.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Change the primary space request to a nonzero positive value, then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF136I** *jobname [procstep] stepname ddname[+ xxx] - DUPLICATION IN ALLOCATION - INDEX AREA REQUESTED TWICE*

## Explanation

Two DD statements defining the same indexed sequential data set requested space for the index area. Following allocation of an index area requested by a DD statement containing DSNAME=name(INDEX), the system found either:

- A DD statement containing DSNAME=name(PRIME) requested an embedded index through an index quantity in its SPACE parameter.
- Another DD statement specified DSNAME=name(INDEX).

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Either eliminate the DD statement that specifies DSNAME=name(INDEX) or eliminate the index quantity subparameter in the DD statement specifying DSNAME=name(PRIME). List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands. Rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

IEF140I

*jobname [procstep] stepname ddname[+ xxx] - DIRECTORY SPACE  
REQUEST LARGER THAN AMOUNT AVAILABLE ON THIS VOLUME*

## Explanation

The system did not allocate the directory for a new partitioned data set (PDS) because the space requested for the directory by the SPACE parameter on the DD statement exceeded the space available on the specified volume.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Reduce the directory quantity subparameter or request a different volume. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF141I**

***jobname [procstep] stepname ddname[+ xxx] - INDEX REQUEST MUST  
PRECEDE PRIME FOR ISAM DATA SET***

## Explanation

In the DD statements defining an indexed sequential data set, a statement containing DSNAME=name(PRIME) preceded a statement containing DSNAME=name(INDEX).

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Reorder the DD statements for the data set, making sure that INDEX is placed before PRIME. List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF142I** *jobname [procstep] stepname STEP WAS EXECUTED - COND CODE cde*

## Explanation

A step completed processing normally. The system issues this message to give the condition code from the step. An abend may have occurred within the step, but if it did and this message IEF142I is issued, it indicates that an ESTAE suppressed the abend and that the step itself terminated normally.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure. For started tasks, *procstep* will not appear.

### ***stepname***

The name of the job step. For started tasks, *stepname* will be one of the following:

- The identifier, if one was specified on the START command
- The device number, if the MOUNT or START command specified a device number or if the JCL for the started task included an IEFRDER DD statement. Note that the device number can have up to 4 digits and can be prefixed by a slash (/), for example, '/46FF'.
- The same as *jobname*, in all other cases

### ***cde***

The condition code from the contents of general purpose register 15 at the end of the step. If the last task of the step did not set a completion code in register 15, the *cde* in the message is meaningless. In the event of multiple failures in the same job step, the contents of register 15 refer only to the last failure.

**Note:** The condition code of the step is never altered by the operating system, whether as a result of a job failing due to a disposition error, or for any other reason. The condition code in this message will be whatever condition code was issued by the step, regardless of whether the job fails due to a disposition error.

## System action

The system continues to process further steps of the job if allowed by the COND parameter of subsequent EXEC statements, and in the case of a disposition error, the system is not prevented by the installation option to fail jobs. Disposition processing for the step uses the value for normal termination.

## Source

Initiator/terminator

## Module

IEFBB410

## Routing code

11

## Descriptor code

-

IEF143I

*jobname [procstep] stepname ddname[+ xxx]* - LAST CONCATENATED DD  
STATEMENT UNNECESSARY OR INVALID FOR THIS DATA SET

## Explanation

In processing the DD statements defining an indexed sequential data set, the system found at least four concatenated DD statements for the data set. The DD statement(s) after the third statement are unnecessary. In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *ddname*

The name of the DD statement.

### *+ xxx*

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job, and ignores the extra DD statements. If the system allocated any non-ISAM data sets in the concatenation, they are deleted.

## Programmer response

Remove the extra DD statements. List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands. Rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

IEF145I

*jobname [procstep] stepname ddname[+ xxx]* - SPACE REQUEST MUST  
BE ABSTR FOR DOS VOLUME



## Explanation

In DD statement *ddname* defining an indexed sequential data set with multivolume prime area, the space for one of the prime volumes (except the first one) was requested on a volume where the DOS bit (bit 0 of the DS4VTOCI field) is set in the format 4 DSCB; however, the SPACE parameter for the DD statements that define the data set specified CYL. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Request space by coding ABSTR for the SPACE parameter or request a different volume. List the volume table of contents (VTOC) of each volume that will contain the data set using the DFP LISTCAT command. If the name of this data set appears in any VTOC, remove it using the DEFINE and DELETE commands. Then run the job again.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

IEF147I

*jobname [procstep] stepname ddname [xxx] ALLOCATION FAILED - NO  
DEVICE POOLS AVAILABLE FOR ALLOCATION*

## Explanation

The allocation request failed because the Storage Management Subsystem (SMS) did not return any tape device pools that were defined in the current Eligible Device Table (EDT). Either no device pools at all were returned, or the job was in recovery allocation (message IEF238D) while at the same time, a dynamic ACTIVATE was done (message IOS500I) such that in the new configuration, no returned device pools matched those in the EDT for the previous configuration.

If a dynamic ACTIVATE was done while the job was in allocation, any new devices or device pools added by the new configuration are not available to the job, because jobs in the recovery allocation are still locked onto the Eligible Device Table (EDT) for the previous configuration. The new configuration does not become available until the job ends, or is cancelled, then is submitted again.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddnamexx***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system fails the job.

## System programmer response

Ensure that sufficient tape device pools are defined to this system. Then, resubmit the request. If the failure occurred while the job was in recovery allocation, and a dynamic ACTIVATE was done at the same time, resubmit the job when the activate completes.

## Source

Allocation

## Module

IEFAB423

## Routing code

11

## Descriptor code

6

---

**IEF148I** *jobname [procstep] stepname ddname [xxx] ALLOCATION FAILED - REQUESTED DEVICE IS MARKED UNAVAILABLE*

## Explanation

The allocation request failed because the System Programmer marked the required tape device as unavailable to allocation by the VARY xxx,UNAVAILABLE command

If a VARY ONLINE or VARY AVAILABLE command was done while the job was in allocation, any new devices made available by the command are not available to the job, because jobs in the recovery allocation are still locked onto the Eligible Device Table (EDT) as existed at the start of device allocation processing. The newly available device does not become available until the job ends, or is cancelled, then is submitted again.

***first five variables***

## System action

## Operator response

## System programmer response

## Problem determination

## Source

## Module

## Routing code

### Descriptor code

**IEF150I** *jobname [procstep] stepname ddname [xxx] ALLOCATION FAILED - UNABLE TO OBTAIN VOLUME RECORD FOR VOLUME ser*

### Explanation

In the message text:

***jobname***

***procstep***

***stepname***

***ddname***Chapter 2. IEF messages **103**

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**ser**

The volume serial number of the volume to be allocated.

**System action**

The system fails the allocation request and writes a logrec data set error record.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the logrec data set error record.

**Source**

Allocation/Unallocation

**Module**

IEFAB424

**Routing code**

11

**Descriptor code**

6

---

**IEF151I** *jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - NON-LIBRARY REQUEST NEEDS VOLUME ser FROM LIBRARY libname*

**Explanation**

The allocation request failed because the requested volume was not included in the tape configuration database, but the volume was found physically mounted on a system-managed tape library device.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***ser***

The tape volume required by DD statement *ddname*

***libname***

The name of the system-managed tape library where *ser* is mounted. If the system cannot determine the library that is associated with the volume, *libname* appears as “????????”.

**System action**

The job fails.

**System programmer response**

Ask the storage administrator to either physically remove the tape volume from the library or include the volume in the tape configuration database.

**Source**

Allocation

**Module**

IEFAB441

**Routing code**

11

**Descriptor code**

6

---

**IEF152I** *jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - NON-LIBRARY VOLUME ser REQUIRED IN LIBRARY libname*

**Explanation**

The allocation request failed because the tape configuration database includes the requested volume, but the volume was mounted on a non-library device.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***ser***

The tape volume required by DD statement *ddname*

**libname**

The name of the system-managed tape library where *ser* is needed. If the system cannot determine the library that is associated with the volume, *libname* appears as “????????”.

**System action**

The system fails the job.

**System programmer response**

Ask the storage administrator to either physically move the volume to the library specified in the tape configuration database or remove the volume from the tape configuration database.

**Source**

Allocation/Unallocation

**Module**

IEFAB441

**Routing code**

11

**Descriptor code**

6

---

**IEF153I** *jobname [procstep] stepname ddname [+ xxx] ALLOCATION FAILED - LIBRARY libname1 VOLUME ser NEEDED IN LIBRARY libname2*

**Explanation**

The allocation request failed because the tape configuration database lists the requested volume as being in *libname2*, but the volume was found physically mounted in *libname1*.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***ser***

The tape volume required by DD statement *ddname*

***libname1***

The name of the system-managed tape library where *ser* is mounted. If the system cannot determine the library that is associated with the volume, *libname* appears as “????????”.

**libname2**

The name of the system-managed tape library where *ser* is needed. If the system cannot determine the library that is associated with the volume, *libname* appears as “????????”.

**System action**

The system fails the job.

**System programmer response**

Ask the storage administrator to either physically move the tape volume to the correct library or update the tape configuration database to contain the library where the volume physically resides.

**Source**

Allocation/Unallocation

**Module**

IEFAB441

**Routing code**

11

**Descriptor code**

6

---

|                |   |
|----------------|---|
| <b>IEF154I</b> | <b><i>jobname stepname</i> CANNOT BRING DEVICES ONLINE IN LIBRARY<br/><i>libname</i> BECAUSE LIBRARY IS OFFLINE</b> |
|----------------|---|

**Explanation**

The allocated/offline installation exit requested that the system bring a device online, but the device is in an offline system-managed tape library. Bringing the device online requires that the device reside in a system-managed tape library that is online.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***libname***

Tape library name.

**System action**

Instead of bringing the tape devices online as indicated by the installation exit, the system takes the action specified by the system default policy.

**Source**

Allocation

**Module**

IEFAB48A

## Routing code

2

## Descriptor code

4

IEF155I

*jobname [procstep] stepname ddnamexx [+ xxx] ALLOCATION FAILED -  
UNABLE TO OBTAIN LIBRARY ID FOR DEVICE dev*

## Explanation

The allocation request failed because the system could not obtain the system-managed tape library ID for the device where the required tape volume was either needed or mounted.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the cataloged procedure.

### ***stepname***

The name of the job step.

### ***ddnamexx***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***dev***

The device number of the tape device for which the system could not obtain the system-managed tape library ID. The required volume is either needed or mounted on the tape device.

## System action

The system fails the job and writes a logrec error record.

## System programmer response

In the problem persists, search problem reporting databases for a fix. If no fix exists, contact the IBM Support Center. Provide the logrec error record.

## Source

Allocation

## Module

IEFAB441

## Routing code

11



## Descriptor code

6

**IEF156I**

*jobname [procstep] stepname ddnamexx [+ xxx] ALLOCATION FAILED -  
UNABLE TO OBTAIN LIBRARY STATUS FOR LIBRARY libname*

## Explanation

The allocation request failed because of a system error that occurred while attempting to obtain the system-managed tape library status for the specified *libname*.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the cataloged procedure.

### ***stepname***

The name of the job step.

### ***ddnamexx***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***libname***

The name of the system-managed tape library

## System action

The system fails the job and writes a logrec data set error record.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the logrec data set error record.

## Source

Allocation

## Module

IEFAB48A

## Routing code

11

## Descriptor code

6

**IEF157E**

*jobname [procstep] stepname ddname [+ xxx ] NEEDS ddd UNIT(S)  
[[FOR VOLUME(S): ser, [ser, [,...,ser]]*

**[SCRTCH-*nnn*] [PRIVAT-*nnn*]] [LIBRARY: *libname*  
LIBRARY STATUS: *status*]]**  
**ALL ELIGIBLE UNITS ARE CURRENTLY ALLOCATED**

## Explanation

A DD statement for a job needs more tape devices than are currently available to continue processing.

Because there are no offline devices available, the allocation request must wait for the allocated tape devices to become available.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

***stepname***

The name of the job step.

***ddnamexx***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***ser***

The volume serial number.

**SCRTCH-*nnn***

The number of scratch volumes requested. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=&&tempname].

**PRIVAT-*nn***

The number of private volumes requested. PRIVAT is used for all other cases of non-specific volumes.

**LIBRARY: *libname***

The tape library name.

**LIBRARY STATUS: *status***

The tape library status. It can be one of the following:

**ONLINE**

Tape library is currently online.

**OFFLINE**

Tape library is currently offline. A library is offline if a VARY LIBRARY offline command has been issued and completed.

**PENDING OFFLINE**

Tape library is currently pending offline. A library is pending offline if a VARY LIBRARY command has been issued and has not yet completed.

***ddd***

The number of tape devices required.

**Note:** The "LIBRARY: *libname* LIBRARY STATUS: *status*" line will not be displayed for new, single unit, ATL/VTs type allocation requests when an Allocated/Offline User Exit exists.

## System action

Processing continues.

## Operator response

See the operator response for accompanying message IEF238D.

## Programmer response

If the job was failed, make any changes as indicated by accompanying messages, and then resubmit the job.

## Source

Allocation

## Module

IEFAB48A

## Routing code

2

## Descriptor code

3

---

|         |   |
|---------|---|
| IEF167I | NO JOB JOURNAL OPTION SPECIFIED - RESTART CANCELLED |
|---------|---|

## Explanation

The job abnormally ended and was eligible for automatic restart. However, as specified in the NO-JOB journal for this job, automatic restart was not requested.

## System programmer response

Resubmit the job for deferred restart, if desired. If automatic restart is desired in the future for this job, run the job with the job journal option.

## Source

Scheduler restart

## Module

IEFRPREP

## Routing code

11

## Descriptor code

6

---

|         |  |
|---------|--|
| IEF168I | ERROR ON JOB JOURNAL - RESTART FOR JOB CANCELLED |
|---------|--|

## Explanation

The job abnormally ended and was eligible for automatic restart. However, the system cancelled automatic restart because of an error on the job journal.

## System action

The system stops restart of the job.

## System programmer response

Resubmit the job for deferred restart, if desired.

## Source

Scheduler restart

## Module

IEFRPREP

## Routing code

11

## Descriptor code

6

---

**IEF169I**

**RESTART CANCELLED FOR JOB *jobname***

## Explanation

During an automatic restart of a checkpointed job, one of the following occurred:

- While merging control blocks from the job journal with those already in the scheduler work area (SWA), the system could not find a control block requiring updating.
- In accessing the job journal, an error occurred during processing of a GET macro.

In the message text:

***jobname***

The name of the checkpointed job.

## System action

Scheduler restart stops restart of the job.

## System programmer response

Resubmit the job as a deferred step or a checkpoint/restart.

## Source

Scheduler restart

## Module

IEFXB601

## Routing code

2

## Descriptor code

6

**IEF170I**

*n jobname message*

---

## Explanation

A WTO or WTOR macro requested a write-to-programmer (WTP) operation. The system was unable to complete WTP processing due to an error.

In the message text:

***n***

The reason code for the failure. The reason code is one of the following:

**1**

No request parameter list (RPL) pointer existed; therefore, the system cannot find the access control block (ACB).

**2**

The system issued an enqueue to serialize PUT macro processing. The enqueue was unsuccessful.

**3**

The system issued the PUT macro to a system message data set, but failed.

**4**

An unexpected abend occurred.

**5**

TPUT for branch entry WTP failed.

***jobname***

The name of the job or the name of the system task that requested the WTP operation.

***message***

53 bytes of the message passed to WTP.

## System action

The system issues this message. The system continues processing.

## System programmer response

Depending on the reason code in the message text, do the following:

- For reason code 1, 2, 3, or 5, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the text of this message.
- For reason code 4, see the system programmer response for the associated abend code.

## Source

Master scheduler

## Module

IEEJB840

## Routing code

2

## Descriptor code

5

---

**IEF172E**

***jobname* HELD, CPU (x) OFFLINE OR UNAVAILABLE FOR JOB SCHEDULING**

---

## Explanation

A job required hardware features that did not appear on the first step of the job. The job requires hardware features on a processor that is either offline or unavailable for job scheduling.

In the message text:

***jobname***

The name of the job that requires hardware features.

***x***

The processor identifier that has the hardware features needed by a job.

## System action

The system holds the job.

## Operator response

Enter a VARY ONLINE command for the processor. Then release the job.

## Source

Initiator/terminator

## Module

IEFSD161

## Routing code

1

## Descriptor code

3

---

**IEF173I**

***jobname* FAILED, CPU (x) OFFLINE OR UNAVAILABLE FOR JOB SCHEDULING**

---

## Explanation

During initialization of a job, the system found one of the following conditions:

- The job that was being initiated in response to a START command and requires hardware features available only on the specified processor.
- A step other than the first step of a job requires hardware features available only on the specified processor.

The specified processor is offline or unavailable for job scheduling because it will be taken offline when the jobs currently scheduled to run on that processor have completed.

In the message text:

***jobname***

The job name.

**x**

The processor identifier.

### **System action**

The system does not initiate the job.

### **Operator response**

If the message was issued for a job initiated by a START command, enter the START command when the required processor is online and available for job scheduling. If the message occurs frequently, retain the logrec data set error records and contact hardware support.

### **Source**

Initiator/terminator

### **Module**

IEFSD101

### **Routing code**

2,11

### **Descriptor code**

6

---

**IEF174I**

**SYSTEM ERROR BEFORE JOB INITIATION**

### **Explanation**

The system found an error before it started processing a job.

### **System action**

The system abnormally ends the job. The system writes a logrec data set error record.

### **Programmer response**

Resubmit the job.

### **Source**

Initiator/terminator

### **Module**

IEFIB645

### **Routing code**

2,11

### **Descriptor code**

6

## Explanation

The assembler and macro processor (AMP) found a duplicate or conflicting AMP keyword.

In the message text:

### ***keyword***

The duplicate or conflicting keyword.

## System action

The system ends the job.

## System programmer response

In the case of a duplicate keyword, delete the duplicate keyword. In the case of an incorrect keyword, correct the keyword. Run the job again.

## Source

Initiator/terminator

## Module

IEFVAMP

## Explanation

The external writer is waiting for work. The optional parameters indicate which selection criterion the external writer is using to wait for work.

In the message text:

### ***jobname***

The external writer *jobname*. This *jobname* (1-8 characters, established when the writer was STARTed) can be used to CANCEL, MODIFY or STOP the external writer. See the description of the START command in [z/OS MVS System Commands](#) to determine how the *jobname* of the external writer was established.

When the external writer is writing to a multi-volume or SMS-managed dataset, the '*jobname*' will be the device number for the device that the external writer originally started writing to, but does not necessarily reflect the device it is currently writing to.

## System action

The external writer is in a wait state until either a MODIFY or STOP command is received or until work is received from JES2 that satisfies the named selection criterion.

## Operator response

Verify that the selection criterion is valid, (the FORMS required is a valid form number, the DEST specified is still valid, or the WRITER name is valid). If WRITER=STDWTR was specified to the named external writer in a MODIFY command, a WRITER=blank will appear in the message, indicating that a named writer is selecting data sets that have no writer name on their SYSOUT DD statement.



## Source

JES2 and JES3

## Routing code

2

## Descriptor code

4

---

**IEF177I** **WTR *jobname* INVALID MODIFY KEY WORD**

---

## Explanation

The named external writer received an invalid keyword in the last MODIFY command.

In the message text:

### ***jobname***

The jobname assigned to the external writer that received the invalid keyword.

## System action

The external writer does no more work until another valid MODIFY command is received. The external writer is waiting for either a STOP or MODIFY command.

## Operator response

Enter a new valid MODIFY command or stop the writer.

## Source

JES2 and JES3

## Routing code

2

## Descriptor code

3

---

**IEF179I** **WTR *jobname* INVALID {JOBID *jjjjjjj*|DEST *xxxxxx*}**

---

## Explanation

The named external writer attempted to request a data set from JES2 with either a JOBID or DEST selection criteria and the JOBID or DEST was invalid to JES2.

In the message text:

### ***jobname***

The jobname assigned to the external writer that attempted to request a data set.

### ***j***

The job identifier.

### ***xxxxxx***

The destination identifier.

## System action

The external writer does no more work until another valid MODIFY command is received.

## Operator response

Enter a new valid MODIFY command or stop the writer.

## Source

JES2 and JES3

## Routing code

2

## Descriptor code

3

---

|                |   |
|----------------|---|
| <b>IEF180I</b> | <b><i>jobname [procstep] stepname</i> - INSUFFICIENT REAL OR VIRTUAL<br/>STORAGE FOR ALLOCATION</b> |
|----------------|---|

## Explanation

Allocation was unable to obtain sufficient central or virtual storage for processing.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB422, IEFAB424, IEFAB428, IEFAB435, IEFAB436, IEFAB441, IEFAB469, IEFAB472, IEFAB476, IEFAB477, IEFAB478, IEFAB48A, IEFAB482, IEFAB486, IEFAB488, IEFAB489, IEFAB490, IEFAB491, IEFAB492, IEFBB401

## Routing code

11

## Descriptor code

-

**IEF186I**

**REGION UNAVAILABLE FOR RESTART, ERROR CODE=*cde***

---

## Explanation

During initialization of a job being restarted from a checkpoint, the initiator could not obtain a required region.

In the message text:

### *cde*

The error code, in decimal, as follows:

#### **Error Code**

#### **Explanation**

##### **08**

The region parameter was increased so the system could not allocate the region, or the configuration of the system changed so that the region could not be obtained. For ADDRSPC=REAL, the size of the REAL area was decreased. For ADDRSPC=VIRT, the size of the private area decreased, either because the size of the nucleus increased or the size of the system queue area (SQA) or the LPA increased.

##### **16**

If a REAL region was requested, either long-fixed or damaged pages in the REAL area made it impossible to obtain the required region.

##### **20**

Either a virtual or a real region was requested. Fragmentation by local system queue area (LSQA), scheduler work area (SWA), or subpools 229, 230, or 249 has made it impossible to obtain the requested region. This error code will also be issued when REGION=OM or REGION=OK is requested.

##### **24**

A request for a V=R region could not be satisfied because the installation GETPART exit routine rejected the request.

## System action

The system abnormally ends the job step with abend X'822'.

## Operator response

See the operator response for abend X'822'.

## System programmer response

See the system programmer response for abend X'822'.

## Source

Initiator/terminator

## Module

IEFSD263

## Routing code

11

## Descriptor code

-

---

**IEF187I*****jobname* FAILED - SYSTEM ERROR IN INITIATOR**

---

## Explanation

During job initialization, a system error occurred.

## System action

The system does one of the following:

- Ends the job.
- Ends the job step with abend X'922'

The system writes a logrec data set error record, unless the ABEND was an OPEN failure. After a program check or a restart, the system writes a dump to the SYS1.DUMP data set.

## Programmer response

Resubmit the job.

## Source

Initiator/terminator

## Module

IEFIB621

## Routing code

2,11

## Descriptor code

6

---

**IEF188I****PROBLEM PROGRAM ATTRIBUTES ASSIGNED**

---

## Explanation

The initiator found that a program to be run did not satisfy all the requirements needed to obtain all the special properties designated by the program.

- If the program to be run is not a single step job or task, the system nullifies the NODSI parameter. All other program properties remain in effect.
- If the program to be run is not a started task that runs only a single step, the system nullifies the SYST parameter. All other program properties remain in effect.
- If the program to be run requests the NODSI property, and the program is not running as a started task, the system does not honor the NODSI property. All other program properties remain in effect, in accordance with system standards.
- If the program to be run is not a single step job or started task, the system does not honor the NODSI or NODSI\_ALLOWBATCH properties. All other program properties remain in effect, in accordance with system standards.

- If the program to be run requests the NOPASS property, and the program is not running as a started task, the system does not honor the NOPASS parameter. All other program properties remain in effect, in accordance with system standards.
- If a non-APF authorized JOBLIB or STEPLIB statement is present, the system nullifies all Program Properties table (PPT) parameters.

## System action

The system assigns problem program attributes in place of the special properties.

## System programmer response

If no special properties are required, no action is necessary. If special properties are required and a JOBLIB or STEPLIB is in use, ensure that the JOBLIB or STEPLIB data sets are APF authorized. Also ensure the special attributes 'started only' or '1-step only' are satisfied for the required special properties.

## Source

Initiator/terminator

## Module

IEFSD101, IEFSD162

## Routing code

11

## Descriptor code

-

---

**IEF191I**

**RESTART CANCELLED FOR JOB *jobname* - NO FURTHER STEPS TO BE EXECUTED**

## Explanation

During restart of a job, the system determined that the failing step was the last step of the job.

In the message text:

***jobname***

The name of the checkpointed job.

## System action

The system cancels the restart because there is no next step on which to restart the job.

## Source

Scheduler restart

## Module

IEFXB601

## Routing code

2,11

## Descriptor code

6

IEF192I

*jobname [procstep] stepname ddname[+ xxx] - NO ELIGIBLE DEVICE  
TYPE CONTAINS ENOUGH UNITS TO SATISFY REQUEST*

## Explanation

There are not enough available devices of the type specified in the UNIT parameter of a DD statement to satisfy the request. If an esoteric unit name, such as SYSDA, is specified, no single device type within the esoteric group has enough available devices.

Note that a device is not considered eligible to a telecommunications request if it is an active console, is allocated, or is in use by a system function such as OLTEP, or by a system utility.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

If the problem recurs search the problem data bases for a fix to the problem.

## Programmer response

Make sure that the device type specified in the UNIT parameter can supply the number of devices needed. If necessary, change the UNIT parameter.

## Source

Allocation

## Module

IEFAB424, IEFAB4FJ

## Routing code

11/Note 36

## Descriptor code

-

---

**IEF193I**

***jobname [procstep] stepname ddname[+ xxx] - SPACE NOT OBTAINED  
BECAUSE OF PERMANENT I/O ERROR***

## Explanation

Space on the direct access storage device (DASD) required by a DD statement could not be obtained because of one of the following errors:

- A permanent I/O error.
- A incorrect format-1 data set control block (DSCB).
- A structure error in the volume table of contents (VTOC) index.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF194I**

***jobname [procstep] stepname ddname[+ xxx] - VOLUME SEQUENCE  
NUMBER EXCEEDS NUMBER OF VOLUME SERIALS***

## Explanation

The volume sequence count specified in a DD statement is greater than the number of volume serial numbers specified. One of the following has occurred:

- The DD statement specifies volume serial numbers in the VOL parameter. The sequence count exceeds the number of volume serials.
- The DD statement refers back to or is receiving a passed data set from another DD statement, which specifies fewer volume serials than the sequence count in the referring DD statement.
- The DD statement refers to a cataloged data set. The number of volume serials for the cataloged data set is less than the volume sequence count.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check to make sure that the volume sequence count is equal to or less than the number of volume serials specified. Correct the DD statements.

## Source

Allocation

## Module

IEFAR423

## Routing code

11

## Descriptor code

-

---

IEF195I

*jobname [procstep] stepname ddname[+ xxx] - MAXIMUM NUMBER OF  
DEVICES FOR DD EXCEEDED*



## Explanation

The number of units requested by the specified DD statement is greater than the maximum of 59 units allowed for a DD statement.

If the DD statement refers to a cataloged SMS-managed virtual storage access method (VSAM) sphere, the total number of units required is equal to the total number of volumes for the entire sphere. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

If possible, change the program so that fewer volumes need to be mounted at the same time.

## Source

Allocation

## Module

IEFAB42B, IEFAB423, IEFAB426, IEFAB442, IEFAB464

## Routing code

11

## Descriptor code

-

---

**IEF196I*****text***

## Explanation

*text* contains the message number and text for a message that the system could not route to one of the following locations:

- System message data set
- JCL data set

and will not be delivered to the hardcopy log.

The message was from a job started under the MSTR subsystem. Because these data sets don't exist for jobs started under the MSTR subsystem, the system prefixes the message with IEF196I and issues it to the hardcopy log.

One of the following occurred:

- The system tried to issue a message to the system message data set or the JCL data set for a job started under the MSTR subsystem. The system cannot issue messages to these locations for a job started under the MSTR subsystem, so the system issues IEF196I to the hardcopy log instead. This is normal for any job started under the MSTR subsystem.

The hardcopy log might also contain multiple instances of IEF196I containing the JCL and messages that the system generates for the start process. Using the MSGLEVEL parameter on the JOB statement in the JCL you can control the number of messages going to the system message data set, the JCL data set and, in this case, the hardcopy log.

- A program issued a message with route code 11 to issue it to the system message data set for the job. However, there is no system message data set available for a job started under the MSTR subsystem. The system issues IEF196I to the hardcopy log instead, unless the message was already to be delivered to the hardcopy log.

## System action

The system writes message IEF196I to the hardcopy log. IEF196I contains the message number and text for another message.

## Operator response

See the operator response for the message that IEF196I contains.

## System programmer response

If this message was issued as a result of a WTO with route code 11 and you do not want it to be issued to the hardcopy log, make sure that your programs do not issue WTOs with route code 11 for jobs running under the MSTR subsystem.

See the explanation for the message that IEF196I contains.

## Source

Subsystem interface (SSI)

## Module

IEFJWTOM

## Routing code

Note 11

## Descriptor code

-

---

**IEF197I****SYSTEM ERROR DURING {ALLOCATION|UNALLOCATION}**

## Explanation

While the system was allocating or unallocating data sets for a job, one of the following failures occurred:

- The operator pressed the RESTART key

- A machine check
- An abnormal end
- A program check

One of the following inserts can appear following ALLOCATION or UNALLOCATION:

- MACHINE CHECK
- RESTART
- ABENDccc
- ABENDccc-rrrrr

where *ccc* is the System Completion Code, and *rrrrr* is an associated reason code.

## System action

For an abend, program check, or restart, the system writes an SVC dump and a logrec data set error record.

## System programmer response

If the problem recurs, determine the original failure. Correct it, if possible. Otherwise, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB4E4, IEFAB4DD

## Routing code

11

## Descriptor code

6

---

|                |  |
|----------------|--|
| <b>IEF198I</b> | <b><i>jobname [procstep] stepname ddname [+ xxx] - INSUFFICIENT UNRESTRICTED UNITS ELIGIBLE TO SATISFY REQUEST</i></b> |
|----------------|--|

## Explanation

One of the following occurred:

- One or more devices have been requested on the UNIT parameter of a DD statement. There are not enough unrestricted units to satisfy the request. Devices marked restricted at system installation are not eligible for the request.
- JES3 selected a device that is both restricted and either JES3-managed or jointly managed by both MVS and JES3.

In the message text:

***jobname***

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

If this message appears because JES3 selected a device that is restricted and either JES3-managed or jointly managed, remove the device from JES3 management.

**Programmer response**

Make sure that the device type is correctly specified in the UNIT parameter.

**Source**

Allocation

**Module**

IEFAB424

**Routing code**

11

**Descriptor code**

-

---

**IEF199I**

***jobname [procstep] stepname* - CATALOG NOT MOUNTED - VOLUME  
MOUNTING NOT ALLOWED**

**Explanation**

The catalog required to locate the volume on which the requested data set resides is not currently mounted. The installation does not allow mounting of a volume for the current job.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

## System action

The system ends the job.

## Operator response

Mount the required volume.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB4F5

---

**IEF201I** *jobname [procstep] stepname* - JOB TERMINATED BECAUSE OF  
CONDITION CODES

## Explanation

A step ended normally or abnormally by issuing a RETURN or ABEND macro that specified a completion code. This completion code satisfied a condition test specified in the COND parameter of the JOB statement. In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

## System action

As requested, the system ends the job, so the remaining steps in the job are not run.

## Programmer response

If you intended for the job to end, no action is needed.

If not, do one of the following:

- Correct the error that caused the application program to issue the completion code.
- Change the condition test specified in the COND parameter of the JOB statement, if the application program contained no errors.

Run the remainder of the job, including the application program, if it contained an error.

## Source

Allocation

## Module

IEFBB410

## Routing code

11

## Descriptor code

-

IEF202I

*jobname [procstep] stepname* - STEP WAS NOT RUN BECAUSE OF  
{CONDITION CODES|COND=ONLY}

## Explanation

One of the following, depending on the message text:

### CONDITION CODES

A problem program ended by issuing a RETURN macro that specified a completion code. This completion code satisfied a condition test in the COND parameter of an EXEC statement.

### COND=ONLY

The COND parameter of an EXEC statement specified ONLY, but no previous job steps had abnormally ended.

In the message text:

#### *jobname*

The name of the job.

#### *procstep*

The name of the step in the procedure.

#### *stepname*

The name of the job step. For started tasks, *stepname* will be one of the following:

- The identifier, if one was specified on the START command
- The device number, if the MOUNT or START command specified a device number or if the JCL for the started task included an IEFRDER DD statement. Note that the device number can have up to 4 digits and can be prefixed by a slash (/), for example, '/46FF'.
- The same as *jobname*, in all other cases

## System action

The system does not run the job step specified by the succeeding EXEC statement. The system does or does not run the remainder of the job, depending on the condition tests specified in the EXEC statement for each step.

## Programmer response

If you intended for the job to end, no action is needed.

If not, do one of the following:

- Correct the error that caused the application program to issue the completion code.
- Change the condition test specified in the COND parameter of the succeeding EXEC statement, if the application program contained no errors.

Run the application program, if it contained an error, and the job step that was not run.

## Source

Initiator/terminator

## Module

IEFINCND

## Routing code

11

## Descriptor code

-

---

IEF206I

*jobname [procstep] stepname* - STEP WAS NOT RUN BECAUSE OF  
CONDITIONAL EXPRESSION ON STATEMENT *xxxx*

## Explanation

While preparing to run a job step, the system evaluated an IF/THEN/ELSE/ENDIF clause specified in a conditional parameter. The result indicated that the system should not run the step. In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *xxxx*

The number of the statement containing the clause.

## System action

The system does not run the job step specified by *stepname*. Following steps may or may not be run depending upon subsequent conditional expression evaluations.

## Programmer response

If you intended for the job to end, no action is needed.

If not, do one of the following:

- Correct the error that caused the conditional expression to be evaluated so that the job step is prevented from running. Rerun the job.
- Change the conditional parameter specified in the IF/THEN/ELSE/ENDIF clause of the statement number that is preventing the job step from running. Rerun the job.

## Source

Initiator/terminator

## Module

IEFINCND

## Routing code

11

## Descriptor code

6

---

IEF209I

VIRTUAL STORAGE UNAVAILABLE FOR *jobname.procstep.stepname*

### Explanation

During restart of a checkpointed job, all or part of the virtual storage for the job was not available for one of the following reasons:

- During a deferred restart, the system requested a virtual storage area that was larger than the area used originally. Because the original area was adjacent to the link pack area (LPA), the virtual storage cannot be increased.
- During a deferred restart on the same system or a different system, the system found that the system queue area (SQA) occupied part or all of the region required for the job.
- During a deferred restart after IPL, the link pack area (LPA) expanded into the required virtual storage area.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

### System action

The system stops restart of the job.

## Operator response

Restart the system and restart the job again. During system initialization, specify the same options that were used when the checkpoint was taken. If this rerun fails or is not feasible, use a system that is adequate for restart.

## Source

## Scheduler restart

## Module

IEFXB609

## Routing code

2,11

### Descriptor code

6

**IEF210I** *jobname [procstep] stepname ddname[+ xxx] - UNIT FIELD SPECIFIES*  
**INCORRECT DEVICE NAME**

### Explanation

In a DD statement, the unit name subparameter in the UNIT parameter was incorrect:

- The unit is not defined to the current system configuration, or a demand request for a unit being added to the configuration occurred prior to the dynamic configuration change completing.
- If the DD statement specified a cataloged data set, the unit field in the catalog entry is incorrect.
- The DD statement did not contain a UNIT parameter for a non-cataloged, non-passed data set.



- The DD statement did not contain a DISP parameter, indicating a new data set, and did not contain a UNIT parameter, indicating an old data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

If the unit name subparameter correctly identifies a device in the current configuration and a dynamic configuration change has just occurred, submit the job again.

## Programmer response

Correct the unit name subparameter. Submit the job again.

## Source

Allocation

## Module

IEFAB424, IEFAB464, IEFAB469, IEFAB470

## Routing code

11

## Descriptor code

-

---

**IEF211I** *jobname [procstep] stepname ddname[+ xxx] - DATA SET RESERVATION UNSUCCESSFUL*

## Explanation

The system could not reserve a data set for a job. The type of data set requested and the problem are as follows:

- The DD statement requested a non-VIO, temporary, direct access data set. The data set name is the same as an existing system-generated data set name.

- The DD statement specified an alias name. After locating the real data set name in a catalog, the system found that the data set is already reserved by another user.
- The DD statement requested a generation of a generation data group (GDG). After locating the catalog-generated name for the generation, the system found that the data set was already reserved by another user.
- The DD statement requested all levels of a GDG. When checking the individual levels, the system found that one of the levels is already reserved by another user.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job to avoid impacting the availability of critical system resources.

## System programmer response

If the system programmer wants to allow jobs to wait for the requested resource rather than to fail, add the following statement into the ALLOCxx member of SYS1.PARMLIB: SDSN\_WAIT WAITALLOC(YES). See the [z/OS MVS Initialization and Tuning Reference](#), ALLOCxx, SDSN\_WAIT for additional information on WAITALLOC([NO|YES]).

## Programmer response

Change the DD statement. Resubmit the job for processing.

## Source

Allocation

## Module

IEFAB459, IEFAB4FJ

## Routing code

11/Note 36

## Descriptor code

-

---

**IEF212I**

***jobname [procstep] stepname ddname[+ xxx] - DATA SET NOT FOUND***

## Explanation

In processing a DD statement, the system found one of the following:

- The data set name in the DSNNAME parameter did not contain all the levels of qualification, so that the system could not locate the cataloged data set.
- The data set name specified on the DCB parameter or on the REF subparameter of the VOLUME parameter was not cataloged or did not contain all the levels of qualification, so that the system could not locate the data set.
- The data set was not cataloged or passed.
- A level of index was either missing or incorrect in a generation data group (GDG).
- A step tried to receive a passed data set. However, the data set has been received as many times as it was passed.
- The DISP parameter specified MOD, SHR, or OLD on a DD statement requesting all levels of a GDG, but there are no levels.
- The DD statement requested a data set cataloged in a user catalog. The JCL did not contain a JOBCAT or STEPCAT DD statement.
- The SER subparameter of the VOLUME parameter specified an SMS-managed volume and the data set was not cataloged.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

For a data set name of the form G0000V00, do the following:

1. Using IEHLIST, list all the data set names for that GDG.
2. Using IEHPROGM, rename the data sets in the same order as they exist, starting with G0001V00 or higher. Uncatalog the data sets using the original data set names, then catalog the data sets using the new names.

## Programmer response

Do one of the following:

- If the data set name was specified incorrectly, correct it.
- If the DCB or VOLUME parameters were incorrect, correct them.
- If the data set was not cataloged, either catalog it or, on the DD statement, specify the volume serial number of the volume on which the data set resides.
- If the DD statement was correct, recatalog the data set.

- If the data set name is of the form G0000V00, notify the system programmer.

## Source

Allocation

## Module

IEFAB469

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF213I | <i>jobname [procstep] stepname ddname[+ xxx] - UNDETERMINED ERROR<br/>PROCESSING CATALOGED DATA SET</i> |
|---------|---|

## Explanation

While allocating data sets for a job step, an undetermined error occurred when the system tried to retrieve volume and unit information from a catalog. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

If a generation data group (GDG) level of index was coded for a non-GDG data set, remove the level of index and resubmit the job. Otherwise, this is probably a system error. Report this message to the system programmer. If this error is issued for a DD statement that is using data set stacking, the proper JCL parameters to request data set stacking might not have been specified. See [Stacking data sets](#) in *z/OS MVS JCL User's Guide* about recommendations and examples of data set stacking.

## Source

Allocation

## Module

IEFAB469

## Routing code

11

## Descriptor code

-

---

**IEF214I**

***jobname [procstep] stepname ddname[+ xxx] - UNDETERMINED ERROR  
PROCESSING MIGRATED DATA SET***

## Explanation

While allocating data sets for a job step, an undetermined error occurred when the system tried to recall a migrated data set. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information about GDG ALL or OPTCD=B requests when a data set is used within a set of concatenated data sets. The first data set of a concatenation can be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

See any preceding messages generated by your storage management archival/retrieval product and any following messages issued by SMS. If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Report this message to the system programmer.

## Source

Allocation

## Module

IEFAB469

## Routing code

Note 36

## Descriptor code

-

---

|                |  |
|----------------|--|
| <b>IEF217I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - VOLUME CONTAINING<br/>PATTERN DSCB NOT MOUNTED</i></b> |
|----------------|--|

## Explanation

In a DD statement, the data set name in the DSNNAME parameter specified either

- A data set in a volume that was not mounted.
- In a JES3 environment, a data set on a mounted volume that contains an incorrectly-placed pattern data set control block (DSCB) or model data set label.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Resubmit the job. Make sure that the volume containing the data set is mounted before the job step is to be run.

## Source

Allocation

## Module

IEFAB458

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IEF218I | <i>jobname [procstep] stepname ddname[+ xxx] - PATTERN DSCB RECORD NOT FOUND IN VTOC</i> |
|---------|--|

---

## Explanation

In a DD statement, the data set name in the DSNAME parameter specified either:

- A data set that did not exist in the specified volumes.
- A model data set control block (DSCB) did not exist on the catalog volume for a generation data group (GDG) request.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check the volume table of contents (VTOC) for the DSCB specified in the DSNAME parameter on the volume pointed to by the catalog. If the request is for a generation data group member, check the catalog volume VTOC for a DSCB for the GDG group. Correct the error and rerun the job.

## Source

Allocation

## Module

IEFAB458

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF219I | <i>jobname [procstep] stepname ddname[+ xxx] - GDG GROUP NAME EXCEEDS 35 CHARACTERS</i> |
|---------|---|

---

## Explanation

In a DD statement, the DSNNAME parameter specified a generation data group (GDG) name longer than the maximum length of 35 characters. The extra length made it impossible to obtain the data set name's final qualifications from the catalog. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Change the GDG name so that it does not exceed 35 characters, and rerun the job.

## Source

Allocation

## Module

IEFAB461

## Routing code

11

## Descriptor code

-

---

IEF220I

***jobname [procstep] stepname ddname[+ xxx] - GDG DEFINITION NOT VALID - VSAM DATA SET NOT SUPPORTED***

## Explanation

In a DD statement, a new generation data set was defined to be a VSAM data set, which is not valid. A VSAM data set can be explicitly indicated by the RECORGE= keyword, or implicitly defined by a DCB= reference to an existing VSAM data set or by a DCB= backward reference to a prior DD that identifies a VSAM data set. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.



**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Correct the DD to either be a VSAM data set that is not a member of a generation data group, or a generation data set that is not a VSAM data set.

**Source**

Allocation

**Module**

IEFAB458

**Routing code**

Note 36

**Descriptor code**

-

**IEF221I**

***jobname [procstep] stepname - PGM=\*.DD - REFERENCED STEP WAS NOT EXECUTED - OR DATA SET TYPE INVALID***

**Explanation**

An EXEC statement specified the program name by a reference to the ddname on a DD statement in a previous step of the job. One of the following occurred:

- The previous step, which contained the DD statement, was not run because a condition test in the COND parameter of the step's EXEC statement was satisfied.
- The data set was not direct access or virtual access, or it was a subsystem data set, such as SYSIN or SYSOUT, or a z/OS UNIX file.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Do one of the following:

- In the EXEC statement for this step, include the condition tests specified in the previous step's EXEC statement.
- Make sure that the data set is direct access or virtual access and neither a subsystem data set nor a z/OS UNIX file.

Rerun the job.

## Source

Allocation

## Module

IEFAB453

## Routing code

11

## Descriptor code

-

---

**IEF222I** **ALLOCxx LINE yyyy: ERROR IN tttt STATEMENT, {KEYWORD kkkk.}**  
**REASON=reason-code**

## Explanation

While processing a statement in the ALLOCxx parmlib member, the system detected an error. In the message text:

### **ALLOCxx**

The parmlib member, with a suffix of xx.

### **yyyy**

The line in ALLOCxx containing the error.

### **tttt**

The statement containing the error.

### **kkkk**

The keyword in error.

### **reason-code**

The reason code for the error:

#### **01**

Unrecognized keyword

#### **02**

End delimiter in a keyword list missing

#### **03**

Incorrect value

#### **04**

Duplicate keyword

- 05** Duplicate statement type
- 06** Value specified for unit name not found in eligible device table (EDT)
- 07** No operands specified
- 08** No keywords specified.
- 09** No values specified.
- 10** End delimiter in a keyword list missing, but value accepted.

**System action**

The system ignores the keyword and its corresponding value. Processing continues on the next keyword. System defaults will be used for the absent or incorrect parameters.

**System programmer response**

Edit the SYS1.PARMLIB member to correct the error indicated in the message.

**Source**

Allocation

**Routing code**

2,Note 13

**Descriptor code**

|                |   |
|----------------|---|
| -              |   |
| <b>IEF223I</b> | <b>ERROR(S) IN ALLOCxx PARMLIB MEMBER(S), REFER TO HARDCOPY LOG</b> |

**Explanation**

The system detected one or more errors in the ALLOCxx parmlib member. In the message text:

**ALLOCxx**  
 The parmlib member, with a suffix of xx.

**System action**

The system writes the error message(s) to the hard-copy log. The system continues processing.

**System programmer response**

Examine the message(s) in the hard-copy log. Edit the ALLOCxx member to correct the indicated error(s).

**Source**

Allocation

## Module

IEFAB4ID, IEFAB4IS, IEFAB4IT, IEFAB4IU, IEFAB4IW, IEFAB4IY, IEFAB4IZ

## Routing code

2

## Descriptor code

12

---

**IEF225D** **SHOULD *jobname.procstep.stepname* [*checkidd*] RESTART**

---

## Explanation

The step in the indicated job requested automatic restart. One of the following occurred:

- The step was abnormally ended with an abend code that enables the step to be restarted
- The system failed

In the message text:

### ***jobname***

The name of the checkpointed job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of job step that the system was processing.

### ***checkidd***

The checkpoint identification. If it is omitted, the operator requested step restart. If it is present, the operator requested checkpoint restart.

## Operator response

Enter REPLY xx,'YES' to authorize automatic restart. If the checkpoint identification is the same as in a previous request for a restart by the same job, and if the job was previously ended with the same abend code, enter one of the following to prevent another restart at the same checkpoint:

- REPLY xx,'NO' to deny automatic restart. The reply caused the system to dispose of data sets as if restart had not been requested.
- REPLY xx,'HOLD' if the job is to be held until you issue a RELEASE command, at which time automatic restart will be performed. (If you want to end the job, do not enter the CANCEL command until after you issue the RELEASE command.)

## Source

Scheduler restart

## Module

IEFRPREP

## Routing code

1

## Descriptor code

2

---

**IEF229I****LRECL EXCEEDS 32K**

---

### Explanation

While writing to a SYSOUT data set, an external writer found a record too long to process. The variable record extension (VRE) input or output logical record length exceeds 32,760 bytes. The output data set records were defined as variable spanned with machine code control characters, but the input records did not contain machine code control characters.

### System action

The external writer stops writing to the SYSOUT data set and closes it.

### System programmer response

If it is necessary to process records longer than 32 kilobytes, do not request control characters for the external writer's output data set unless control characters will be included in the input records.

### Source

Allocation

---

**IEF230I****THE ATS WORK TASK IEFHTSWT ABENDED AND WAS REATTACHED**

---

### Explanation

An ABEND occurred in an Allocation work task. The task was reattached successfully.

### System action

The system continues processing.

### System programmer response

Determine the cause of the ABEND if a dump was produced. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

Allocation

### Module

IEFHINAS

### Routing code

2

## Descriptor code

12

---

**IEF233A****M dev,ser,[labtyp], jobname [,stepname [,dsname [,mediatype  
[,storgp]]]]**

---

## Explanation

**Note:** For Automated Tape Library dataservers (including Virtual Tape Servers), message IEF233A is not issued to any operator console. It is only issued to the System Log. Also, for tapes that have been premounted using the operator MOUNT command, message IEF233A is issued, but not to any operator console.

The message asks the operator to mount a volume. This message is issued by allocation for batch allocations (that is, JCL) which do not specify DEFER. (For mounts with DEFER coded, see message IEC501A.)

Additionally, RMM or other Tape Management Systems may intercept this message to insert information into this message. Refer to [Defining mount and fetch messages: MNTMSG in z/OS DFSMSrmm Implementation and Customization Guide](#).

In the message text:

### ***dev***

The device number.

### ***ser***

The volume to be mounted as follows:

- A 6-digit serial number. The volume with that serial number is to be mounted on device *dev*.
- SCRTCH: A scratch volume is to be mounted. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=&&tempname].
- PRIVAT: A private volume is to be mounted. PRIVAT is used for all other cases of non-specific volumes. It will be marked PRIVATE and demounted at the end of the job.
- A number beginning with L: The volume to be mounted is unlabeled. The number is an internal serial number assigned by the system to the unlabeled volume. It is of the form xxxyy, where xxx is the data set number and yy is the volume sequence number for the data set.

### ***labtyp***

The scratch tape volume must have the type of label specified by *labtyp*: SL for standard label or standard user label, NSL for non-standard label, AL for ANSI label, or NL for no label or by-pass label.

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

### ***dsname***

If a MONITOR DSNAME command is active, the *dsname* is the name of a non-temporary data set requiring the volumes. The data set name will not be specified for data sets being deleted. If the data set name causes the message to exceed 70 characters, the data set name and subsequent fields will appear on the second line of the message text.

### ***mediatype***

The media type that is to be mounted to satisfy this scratch request. If the media type causes the message to exceed 70 characters, the media type and subsequent fields will appear on the second line of the message text.

### ***storgrp***

The storage group of the device being mounted. If the storage group causes the message to exceed 70 characters, the storage group will appear on the second line of the message text.

## System action

The job step waits for the volume to be mounted if the device is direct access. If a scratch volume is to be mounted, all other jobs requiring the same device group will not be allocated until the operator responds to this message.



- A number beginning with L: The volume to be mounted is unlabeled. The number is an internal serial number assigned by the system to the unlabeled volume. It is of the form xxxyy, where xxx is the data set number and yy is the volume sequence number for the data set.

#### ***labtyp***

The scratch tape volume must have the type of label specified by *labtyp*: SL for standard label or standard user label, NL for no label or by-pass label, NSL for non-standard label, or AL for ANSI label.

#### ***jobname***

The name of the job.

#### ***stepname***

The name of the job step.

#### ***dsname***

If a MONITOR command is active, the *dsname* is of a nontemporary data set requiring the volumes. The data set name will not be specified for data sets being deleted. If the data set name causes the message to exceed 70 characters, the data set name will appear on the second line of the message text.

#### ***mediatype***

The media type that is to be mounted to satisfy this scratch request. If the media type causes the first line of message to exceed 70 characters, the media type and subsequent fields will appear on the second line of the message text.

#### ***storgrp***

The storage group of the device being mounted. If the storage group causes the first line of the message to exceed 70 characters, the storage group will appear on the second line of the message text.

### **System action**

The job step waits for the volume to be mounted or for the operator to reply NO to message IEF455D. The job will not proceed until the operator responds to this message.

### **Operator response**

For a reel tape, if *ser* is SCRTCH or PRIVAT, make sure that the file protect ring has been inserted in the volume. For a cartridge tape, if *ser* is SCRTCH or PRIVAT, make sure that the file protect tab is set to allow writing.

Mount volume *ser* on the device; then ready the device.

If a mount is requested for a device with a non-removable volume, ready the device to indicate that the volume is mounted.

If for any reason the volume cannot be mounted, reply NO. A reply of NO to this message also serves as a reply of NO to any other mount message for the step.

### **Source**

Allocation

### **Module**

IEFAB495

### **Routing code**

3/4,5/6

### **Descriptor code**

3

---

**IEF234E** *text1. dev [ ,ser, text2, jobname[,stepname]] [ ,SPACE=cpcc,ttt,aaaa/yyyy,zzzz]*



## Explanation

**Note:** For Automated Tape Library dataservers (including Virtual Tape Servers), message IEF234E is not issued to any operator console. It is only issued to the System Log.

Additionally, RMM or other Tape Management Systems may intercept this message to insert information into this message. Refer to [Defining mount and fetch messages: MNTMSG](#) in *z/OS DFSMSrmm Implementation and Customization Guide*.

*text1* is one of the following:

- K
- D
- R

*text2* is one of the following:

- PVT
- PUB
- STR

This message asks the operator to demount a volume.

This message can also mean that a volume does not have enough available space to meet an allocation request or that a data set already on the volume has the same name as the data set for which space is to be allocated.

In the message text:

### **K**

The volume is to be demounted and returned to the library.

### **D**

The volume is to be demounted and used subsequently as a scratch volume.

### **R**

the volume on device *dev* is to be demounted and retained near the computer for use in the near future.

### ***dev***

The device number.

### ***ser***

The volume to be mounted as follows:

- A 6-digit serial number. The volume with that serial number is to be mounted on device *dev*.
- A number beginning with L: The volume to be demounted is unlabeled. The number is an internal serial number assigned by the system to the unlabeled volume. It is of the form *xxxyy*, where *xxx* is the data set number and *yy* is the volume sequence number for the data set.
- If *ser* is absent from the message text, the volume is unlabeled and is not being passed between job steps.

### **PVT**

A private volume was used.

### **PUB**

A public volume was used.

### **STR**

A storage volume was used.

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

If a MONITOR SPACE command is active, the field SPACE=*cpcc,tttt,aaaa/yyyy,zzzz* is specified where:

### ***cpcc***

The total number of free cylinders on the volume.

**tttt**

The total number of tracks in addition to the free cylinders.

**aaaa**

The areas or extents dividing the cylinders and tracks.

**yyyy**

The maximum number of contiguous free cylinders of the largest extent within the total remaining space.

**zzzz**

The number of tracks in addition to the free cylinders of the largest extent within the total remaining space.

If an error occurred during the listing of the parameters in the SPACE field, one of the following messages is specified:

- LSPACE-PERMANENT I/O ERROR
- LSPACE-NON-STANDARD OS VOLUME
- LSPACE-NOT A DIRECT ACCESS VOL
- LSPACE-INVALID PARAMETER
- LSPACE-UCB NOT READY

In the message text, the jobname may appear and the step name will be given if a step name was specified on the EXEC statement.

## System action

The system marks the device as 'not ready'.

## Operator response

Demount the volume.

If K appeared, demount the volume and return it to the library.

If D appeared, use the volume later when a scratch volume is requested.

If R appeared, retain the volume nearby. If it is not externally marked with its serial number, mark the 6-digit or internally assigned number on the volume. The internally assigned number should appear externally on the volume in case a subsequent step needs the volume; for the subsequent mounting, the system will specify the volume by the internally assigned number. The message gives the name of the job that needs the volume.

When the job ends, the system issues message IEF471E to list all retained volumes no longer needed by the job.

However, the system does not issue message IEF471E when the job ends in two cases:

- The device was permanently resident, and the following three events occurred *before* the job ended:
  - Message IEF234E appeared.
  - The operator entered a VARY *dev*,OFFLINE command for the device.
  - Message IEF281I appeared to indicate that the device is offline.
- The device had the reserved mount attribute, and the following three events occurred *before* the job ended:
  - Message IEF234E appeared.
  - The operator issued an UNLOAD command for the device.
  - Message IEF282I appeared to indicate that the device is offline.

In these cases, return the volume to the library when the job ends.

## Source

Allocation

## Module

IEFAB494

## Routing code

3/4

## Descriptor code

3

---

|         |  |
|---------|--|
| IEF235D | <i>jobname stepname</i> WAITING FOR VOLUMES, TO CANCEL WAIT REPLY 'NO' |
|---------|--|

---

## Explanation

The system was unable to satisfy the volume requests for a data set. Message IEF690I precedes this message and indicates which volumes were unavailable. In the message text:

### *jobname*

The name of the job.

### *stepname*

The name of the job step needing the data set.

**Note:** While this message remains outstanding , no HCD Activates will be able to complete processing.

## System action

Initiation of the step waits until the requested volumes have been unallocated by ending tasks and are available for use. Other jobs requiring the same volumes cannot go through allocation until this wait has ended and current allocation processing has completed.

## Operator response

If desired, reply 'NO' to cancel the wait. If a DD statement requested the data set, the system ends the job. If the allocation was requested dynamically, a return code will indicate that the request failed.

## Source

Allocation

## Module

IEFAB421

## Routing code

2

## Descriptor code

6

---

|         |   |
|---------|---|
| IEF236I | ALLOC. FOR <i>jobname [procstep] stepname</i> |
|---------|---|

---

## Explanation

The system allocated the devices for a job. The IEF237I messages that follow describe the device allocations.

In response to a MONITOR JOBNAMES command, this message will appear *only* for unit record devices being allocated. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**Operator response**

None.

**Source**

Allocation

**Module**

IEFAB4EE

**Routing code**

2,7

**Descriptor code**

6

---

**IEF237I** *dev* ALLOCATED TO *ddname*

**Explanation**

The system allocated a device to the data set defined in a DD statement. In the message text:

***dev***

The device number of a DASD, tape cartridge, unit record or other device, or one of the following:

**DMY**

A DD DUMMY was allocated.

**Subsystem name (JES2 or JES3, for example)**

A SYSIN, SYSOUT, or SUBSYS data set was allocated.

**VIO**

A paging data set was allocated.

**TRM**

A terminal was allocated.

**QNM**

A QNAME data set was allocated.

***ddname***

The name of the DD statement or blank if there is no DD name for the concatenated DDs.

In response to a MONITOR JOBNAMES command, this message will appear only for unit record devices being allocated.

**Operator response**

None.

## Source

Allocation

## Module

IEFAB4EE

## Routing code

2,7

## Descriptor code

6

---

**IEF238D**

*jobname* - REPLY [DEVICE NAME] [,] ['WAIT'] OR 'CANCEL'

---

## Explanation

The system cannot complete an allocation with the devices currently available. One or more devices are needed for one of the following reasons:

The Request needs a unit or volume that:

1. is currently allocated to another job.
2. is currently dynamically allocated to this job
3. cannot be shared with this job
4. is offline
5. is pending offline

In the message text:

### ***jobname***

The name of the job.

### **DEVICE NAME**

Eligible devices are currently offline or are not accessible. The system issues message IEF877E or IEF878I.

### **'WAIT'**

The system determined that if you wait for currently allocated, eligible devices to become available, your request can be satisfied.

This message permits the operator to respond to preceding message IEF157E, IEF488I, IEF877E or IEF878I.

### **Note:**

1. While this message is outstanding (that is, has not yet been replied to), no VARY OFFLINE activity can take place, due to an ENQ conflict for the SYSIEFSD / Q4 resource. Any device(s) targeted by a VARY OFFLINE command will not be processed.
2. While this message remains outstanding, other allocation requests may be unable to proceed. For example, if a job uses UNIT=3490 to request a 3490 device by device type (also known as a generic name), then any request for which a 3490 device is eligible will be unable to take place until after this message is satisfied. Similarly, if a job uses UNIT=CARTNY to request a device in an installation-defined group name (also known as an esoteric name) CARTNY, then any request for which a device in the CARTNY group is eligible will be unable to take place until after this message is satisfied. See [UNIT parameter](#) in *z/OS MVS JCL Reference* for more information about group names and device types.
3. While this message remains outstanding or if the reply to this message is WAIT, no other allocations, unallocations, OPENS, CLOSEs, Catalog LOCATEs, data set OBTAINs, or End-of-Volume (EOV or FEOV) processing will be able to take place within this address space until this message is replied to and the

wait is fulfilled. This is because the address space's SYSZTIOT resource is held EXCLUSIVE by this allocation. This statement is true even if an unallocation would free up the device required by this allocation.

4. While this message remains outstanding or if the reply to this message is WAIT, no HCD Activates will be able to complete processing.

## System action

The system action depends on the operator's response as follows:

### Reply of WAIT

Requests device allocation for this job to wait until the required units or volumes, or both, are released or are brought online; that is, no other allocations for any devices will be able to be done within the address space which issued the message until the wait is satisfied. Further, no services which require the SYSZTIOT resource within that address space will be able to proceed until the wait is satisfied. This includes services such as OPEN, OPENJ, CLOSE, LOCATE, OBTAIN, CATALOG and SCRATCH. The wait does not take effect, however, until all DD statements that require devices for case two above have been processed and the operator has responded to message IEF433D. The system issues message IEF877E OR IEF878I for any remaining DD statements and this message.

**Note:** A unit must be unallocated or varied online in order for the wait to be satisfied. Simply unloading a unit which was made unavailable to other jobs via a MOUNT command will not satisfy the wait.

### Reply of a device name in the list of message IEF877E or IEF878I.

Causes the system to place the device online and retry device allocation.

**Note:** The system may or may not actually use the specified device to satisfy the allocation request. If other eligible devices are found when the allocation is retried (for example, an eligible device was unallocated before the IEF238D message was replied to), then the system may choose from any of the eligible devices. Alternatively, after the device is brought online, but before the device allocation is retried, it is possible for another job to allocate the device that was brought online. This can result in message IEF238D being reissued.

### Reply of CANCEL

#### For JCL Allocations:

Causes the system to end the job without further attempts to complete allocation.

#### For Dynamic Allocations:

Causes only the allocation request to fail; it does not end the entire job.

### Reply of DUMP

Causes the system to issue an SVC DUMP to gather diagnostic information that can be provided to the IBM Support Center. This option should generally only be used if IEF238D was issued unexpectedly, or upon request of IBM Support. After the dump is issued, the system will reissue message IEF238D to allow another operator response.

**Note:** DUMP is always a valid reply to message IEF238D. However, DUMP is never listed in the text of message IEF238D as an option.

If the reply was not valid for the options given in this message, the system issues message IEF490I and repeats this message.

## Operator response

Reply as follows:

- REPLY id,'dev', where *dev* is a device number in message IEF877E or IEF878I and the device can be brought online. If device *dev* was listed as NOT ACCESSIBLE, enter a VARY CPU/CH/PATH command before this reply. Enter a DISPLAY MATRIX command to get the status of the central processor and channel.
- REPLY id,'WAIT' to cause device allocation to wait for devices and/or volumes to be freed.
- REPLY id,'CANCEL' to end the job.

**Note:**

1. **For JCL Allocations:** Although an operator CANCEL command may be issued while this message is outstanding, the command will not take effect until the system processes all the DD statements for the current job step that still requires a device.
  2. **For Dynamic Allocations:** If an operator CANCEL command is issued while this message is outstanding, the command will take effect immediately, causing the entire job to be cancelled.
- REPLY id,'DUMP' to request that the system issue an SVC DUMP. After the dump is issued, message IEF238D will be reissued.

Enter one of the replies to this message before processing continues for this job and any VARY OFFLINE commands can take effect.

## System programmer response

If a manual operator response to this message is not desired, refer to *z/OS MVS Initialization and Tuning Reference* for information on how to use the ALLOCxx parmlib member to set a policy that will allow the system to automatically reply “CANCEL” or “WAIT”.

## Source

Allocation

## Module

IEFAB488

## Routing code

2,3/4/7

## Descriptor code

7

---

**IEF240I** *jobname [procstep] stepname* - TASK I/O TABLE EXCEEDS TIOT LIMIT  
OF xxxxK

## Explanation

A job step specified more DD statements than the system can process and/or a job step specified more units than the system can process. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***xxxxK***

The maximum size of the task input/output table (TIOT).

The maximum number of DD statements may be exceeded for one of two reasons: the step JCL explicitly requested too many DD statements and units, or the system generated DD statements and units beyond those explicitly requested.

Additional DD statements are generated when:

- All members of a generation data group (GDG) are requested. A DD statement is generated for each member.
- A private catalog is needed to locate or catalog a data set. A DD statement is generated for the catalog if it was not defined in a JOBCAT or STEPCAT DD statement.

- A VSAM data set requires multiple device types. A DD statement is generated for each additional device type.
- JOBCAT or JOBLIB DD statements are associated with the job. The applicable DD statements are generated for each step.

Four bytes are required in the TIOT for each unit to which a DD statement is assigned. Specifying a large number of units, either implicitly by a data set having a large number of volumes, each of which requires a separate unit (for example, many DASD volsters in the catalog or many SMS candidate volumes), or explicitly, can cause the TIOT to exceed its maximum allowable size.

The system sometimes increases the total number of units associated with a step by overriding JCL requests for volumes to share the same unit. This occurs when one of the volumes is not eligible for demounting:

- A volume has the permanently resident or reserved attribute.
- A volume is required by multiple DD statements, unless UNIT=AFF is specified for tape devices.

For more information, see the TIOT parameter in the ALLOCxx parmlib member in [z/OS MVS Initialization and Tuning Reference](#).

## System action

The system ends the job.

## Programmer response

The total number of DD statements and units for the step must be reduced. If all data sets are not needed simultaneously, consider using dynamic allocation facilities.

## Source

Allocation

## Module

IEFAB4FC

## Routing code

11

## Descriptor code

-

---

**IEF242I**

**ALLOC. FOR *jobname* [*procstep*] *stepname* AT ABEND**

## Explanation

The JOB statement specified MSGLEVEL=0. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

Because the application program failed while running, the system overrides the MSGLEVEL and assumes MSGLEVEL=1.



Unit allocation messages IEF237I, IGD100I, IGD101I, and/or IGD103I follow this message.

## Source

Allocation

## Module

IEFAB4EE

## Routing code

11

## Descriptor code

-

---

**IEF244I** *jobname [procstep] stepname - UNABLE TO ALLOCATE nnn UNIT(S) text*

## Explanation

*text* is one of the following:

- AT LEAST *nnn* ALLOCATED UNIT(S) NEEDED
- AT LEAST *nnn* OFFLINE UNIT(S) NEEDED
- AT LEAST *nnn* ALLOCATED AND *nnn* OFFLINE UNIT(S) NEEDED

The system cannot complete the allocation for a step with the devices currently available online and not allocated. To recover from this situation, units must be varied online and/or become unallocated. Note that this total may include allocated units containing volumes that must be moved to an eligible unit to satisfy the allocation requirements for this step.

If the second line of the message appears the system has determined the minimum number of allocated and/or offline units required. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***nnn***

The number or units that must be varied online and/or become unallocated.

## System action

The system issues more detailed messages about each of the DD statements that require further allocation action. Messages IEF488I and IEF877E might be issued following this message.

## Source

Allocation

## Module

IEFAB487

## Routing code

2,3,4,

## Descriptor code

6

IEF245I

*jobname [procstep] stepname ddname[+ xxx] - INCONSISTENT UNIT  
NAME AND VOLUME SERIAL*

## Explanation

The system cannot complete the allocation for a step because a requested volume is not of the correct type for the device. The cause is either:

- In a DD statement, the SER subparameter of the VOLUME parameter specified the volume serial number of a volume that was mounted on a device that was not consistent with the device type specified in the UNIT parameter.

For example, a request was made to mount a tape having volume serial number vvvvvv, but vvvvvv is already being used as the volume serial number of an online DASD volume. Ask the system operator to enter the command DISPLAY U,VOL=vvvvvv to find out where volume serial number vvvvvv is currently mounted. Note that it is possible that volume serial vvvvvv does not physically exist on the system, but that there is currently an outstanding mount pending for it. (This might occur if someone had asked for that volume serial number on a DIFFERENT device type — either a DASD device type or a different type of tape device that exists on the system, such as 3420 instead of 3490.)

- In a DD statement, the SER subparameter of the VOLUME parameter specified the same volume serial number as another DD statement; the device types were inconsistent.
- In a DD statement, the SER subparameter of the VOLUME parameter specified volume serial numbers that are not of the same device type.
- The affinity index parameter was incorrect for the generic specified.
- In the case of library requests with UNIT=AFF coded, the secondary request is not eligible to the generic and/or library used to allocate the primary request.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Verify that the I/O configuration was built correctly. If so, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Correct the DD statement. Submit the job again. If the DD statement was correct, notify the system programmer.

## Source

Allocation

## Module

IEFAB432,IEFAB435,IEFAB441,IEFAB452,IEFAB472

## Routing code

11

## Descriptor code

-

---

**IEF246I** *jobname [procstep] stepname ddname[+ xxx] - INSUFFICIENT SPACE ON STORAGE VOLUMES*

## Explanation

In a DD statement that requires a storage volume, the SPACE parameter requested more tracks than were available on any eligible direct access storage volume. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check the track quantity of the SPACE parameter for validity. If it is incorrect, change it. Then submit the job again.

## Source

Allocation

## Module

IEFAB436

## Routing code

11

## Descriptor code

6

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|                |  |
|----------------|--|
| <b>IEF251I</b> | <i>jobname [procstep] stepname - JOB CANCELLED (in SYSOUT) --or--<br/>jobname JOB CANCELLED (on console)</i> |
|----------------|--|

---

## Explanation

During device allocation for a job, one of the following occurred:

- The operator entered a CANCEL command.
- The operator replied CANCEL to message IEF238D.
- A subsystem requested cancellation in response to a request to allocate a subsystem data set.

The system issues this message when a job must wait for any of:

- a specific volume or unit
- a volume to be mounted
- an allocated or offline device

and:

- either any of the following are specified in the ALLOCxx member of the parmlib data set:
  - VOLUME\_ENQ POLICY (CANCEL)
  - VOLUME\_MNT POLICY (CANCEL)
  - SPEC\_WAIT POLICY (CANCEL)
  - ALLC\_OFFLN POLICY (CANCEL)
- or any of the following Installation exits requests that the job be cancelled:
  - IEF\_VOLUME\_ENQ (Volume ENQ Installation Exit)
  - IEF\_VOLUME\_MNT (Volume Mount Installation Exit)
  - IEF\_SPEC\_WAIT (Specification Waits Installation Exit)
  - IEF\_ALLC\_OFFLN (Allocation/Offline Device Installation Exit)

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Correct any errors indicated by other messages. Submit the job again.

## Source

Allocation

## Module

IEFAB421, IEFAB427, IEFAB471, IEFAB472, IEFAB48A, IEFAB487, IEFAB488, IEFAB490, IEFAB491, IEFAB492, IEFBB401, IEFBB404

## Routing code

2

## Descriptor code

6

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|         |   |
|---------|---|
| IEF253I | <i>jobname [procstep] stepname ddname[+ xxx] - DUPLICATE NAME ON<br/>DIRECT ACCESS VOLUME</i> |
|---------|---|

## Explanation

In a DD statement, the data set name in the DSNAMES parameter was the same as a data set name already in the volume table of contents (VTOC) for the requested direct access volume. In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *ddname*

The name of the DD statement.

### *+ xxx*

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

If the data set being specified is a new data set, select a unique name for it.

If the DD statement intended to specify the data set that is already on the direct access device, specify OLD, SHR, or MOD in the DISP parameter. Then submit the job again.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF254I**

***jobname [procstep] stepname ddname[+ xxx] - NO SPACE IN VTOC OR VTOC INDEX***

## Explanation

A DD statement requested space on a direct access volume for a new data set, but one of the following conditions exists:

- The volume table of contents (VTOC) for the requested volume did not have the minimum number of format-0 data set control blocks (DSCB) required to allocate the data set.
- Not enough space remained in the VTOC index for a new entry.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Request space on a different volume. Submit the job again.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF256I | <i>jobname [procstep] stepname ddname[+ xxx] - ABSOLUTE TRACK NOT AVAILABLE</i> |
|---------|---|

---

## Explanation

In a DD statement, the ABSTR subparameter of the SPACE parameter asks that the data set be allocated in absolute tracks. The requested tracks are not available. In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *ddname*

The name of the DD statement.

### *+ xxx*

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check the beginning track address and quantity subparameters for validity. If they are correct, request different tracks or a different volume. Then resubmit the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IEF257I | <i>jobname [procstep] stepname ddname[+ xxx] - SPACE REQUESTED NOT AVAILABLE</i> |
|---------|--|

---

## Explanation

In a DD statement, the SPACE parameter requested more tracks than were available on the requested direct access volume. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check the track quantity of the SPACE parameter for validity. If it was incorrect, change it. If it was correct, change the request to a different volume. Then submit the job again.

## Source

Allocation

## Routing code

11

## Descriptor code

-

---

**IEF258I** *jobname [procstep] stepname ddname[+ xxx] - INVALID RECORD  
LENGTH SPECIFIED IN SPACE PARAMETER*

## Explanation

In a DD statement, the average record length subparameter in the SPACE parameter specified a length greater than the track capacity on the requested direct access device or volume. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.



**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Reduce the lengths of the records to make the average length no greater than the track capacity of the device or specify a device with a greater track capacity. Then submit the job again.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

---

**IEF259I****UNIT *devnum* IS NO LONGER DEFINED AS AUTOSWITCH.**

---

**Explanation**

The system no longer treats the identified device as automatically switchable because the system has processed a request from a device manager (such as, JES3 or a non-IBM tape management subsystem) that allows the device to participate in a multi-system assign.

In the message text:

***devnum***

The device number.

**System action**

The tape device that was defined as automatically switchable is treated as dedicated on this system.

**System programmer response**

If you want the device to be automatically switchable, change the device from being managed by JES3 or another tape management system and redefine the device as automatically switchable.

**Source**

Allocation

**Module**

IEFAUSRV

## Routing code

2,3,10

## Descriptor code

4

---

**IEF260I** *jobname [procstep] stepname ddname[+ xxx] - WRONG DSORG OR DISP*

## Explanation

During allocation of an indexed sequential data set, the system detected one of the following:

- A DD statement requiring that direct access space be obtained was found concatenated to a DD statement that indicated that the data set already existed.

Example: A concatenated DD statement specifies DISP=(NEW,KEEP). A preceding DD statement for the ISAM data set specified DISP=(OLD,KEEP). Note that the system does not check secondary dispositions for consistency.

- A DD statement specifying DSORG=IS or ISU was concatenated to a DD statement that is for the same data set and that specified a DSORG other than IS or ISU.
- A DD statement that specified DSORG=IS or ISU specified a unit other than a direct access device. ISAM data sets can reside only on direct access devices.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

The operating system no longer supports the creation or use of indexed sequential data sets. See [\*z/OS DFSMS Using Data Sets\*](#) for information about converting programs and data sets to avoid using ISAM.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IEF261I | <i>jobname [procstep] stepname ddname[+ xxx] - NO PRIME AREA<br/>REQUEST FOR ISAM DATA SET</i> |
|---------|--|

---

## Explanation

None of the DD statements defining an indexed sequential data set specify DSNAME=name(PRIME). In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

### *ddname*

The name of the DD statement.

### *+ xxx*

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

The operating system no longer supports the creation or use of indexed sequential data sets. See [z/OS DFSMS Using Data Sets](#) for information about converting programs and data sets to avoid using ISAM.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF262I | <i>jobname [procstep] stepname ddname[+ xxx] - PRIME AREA MUST BE<br/>REQUESTED BEFORE OVFLOW</i> |
|---------|---|

---

## Explanation

The system could not allocate the overflow area of a new indexed sequential data set because the DD statements requested the overflow area before the prime area. The DD statement specifying DSNAME=name(OVFLOW) appears before the DD statement specifying DSNAME=name(PRIME). In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

The operating system no longer supports the creation or use of indexed sequential data sets. See [z/OS DFSMS Using Data Sets](#) for information about converting programs and data sets to avoid using ISAM.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF263I** *jobname [procstep] stepname ddname[+ xxx] - SPACE REQUEST WRONG - MUST BE ON CYLINDER BOUNDARY*

## Explanation

The SPACE parameter of a DD statement defining an indexed sequential data set is incorrect. The space parameter requested absolute tracks (ABSTR), but either:

- The beginning address subparameter does not specify a cylinder boundary.
- The parameter does not specify, in tracks, an integral number of cylinders.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

The operating system no longer supports the creation or use of indexed sequential data sets. See [z/OS DFSMS Using Data Sets](#) for information about converting programs and data sets to avoid using ISAM.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

---

**IEF264I**

***jobname [procstep] stepname ddname[+ xxx] - DUPLICATION OF THE  
DSNAME ELEMENT INVALID - SAME AREA REQUESTED TWICE***

**Explanation**

Two DD statements defining the same indexed sequential data set are requesting space for the same area. Both DD statements specify the same element in the DSNAME parameter. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

The operating system no longer supports the creation or use of indexed sequential data sets. See [z/OS DFSMS Using Data Sets](#) for information about converting programs and data sets to avoid using ISAM.

**Source**

Allocation

**Module**

IEFAB431

**Routing code**

11

**Descriptor code**

-

---

**IEF266I** *jobname [procstep] stepname ddname[+ xxx] - INVALID JFCB POINTER*

**Explanation**

During allocation of data sets for a job, the system found a JFCB pointer that was zero. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets.

**System action**

The system ends the job.

**System programmer response**

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF267I** *jobname [procstep] stepname ddname[+ xxx] - DIRECTORY SPACE*  
**REQUEST IS LARGER THAN PRIMARY REQUEST**

## Explanation

In a DD statement, the SPACE parameter requested more space for directory than for the primary quantity. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Reduce the directory quantity subparameter, or increase the primary quantity subparameter. Then rerun the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

IEF272I

*jobname [procstep] stepname - STEP WAS NOT EXECUTED*

---

## Explanation

The system did not run a job step for one of the following reasons:

- An error appeared in a job control statement.
- A previous step ended abnormally, but the current step did not specify EVEN or ONLY in the COND parameter of the EXEC statement.
- The step was being run or ended when system restart was required. To confirm this reason, look for message IEF236I in the system output listing following SYSOUT data set information or following duplicate allocation messages for the step.
- The job step required I/O devices, volumes, or space that could not be allocated.
- The operator cancelled the job containing the job step before the job step was initiated. To confirm this, look for message IEF450I on the console listing with an abend X'222'.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step. For started tasks, *stepname* will be one of the following:

- The identifier, if one was specified on the START command
- The device number, if the MOUNT or START command specified a device number or if the JCL for the started task included an IEFRDER DD statement. Note that the device number can have up to 4 digits and can be prefixed by a slash (/), for example, '/46FF'.
- The same as *jobname*, in all other cases

## System action

If a job control statement contained an error or the system could not allocate a data set, the system ends the job.

If system restart was required, the system does not run the remainder of the steps in the job.

## Programmer response

Correct any errors. Submit the job again.

## Source

Allocation

## Module

IEFBB410



## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF273I | <i>jobname [procstep] stepname ddname[+ xxx] - INVALID USER LABEL REQUEST</i> |
|---------|---|

---

## Explanation

A DD statement requested a user label track for a data set. However, the system could not allocate space for the data set for one of the following reasons:

- The DSORG subparameter of the DCB parameter specified PO or IS.
- The SPACE parameter included a directory quantity subparameter.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

In the first case, specify PS or DA in the DSORG subparameter of the DCB parameter. In the second case, delete the directory quantity subparameter of the SPACE parameter. Then resubmit the job.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

## Explanation

An exit routine (such as IGGPRE00) associated with the IGGPRE00\_EXIT preprocessing dynamic exit, rejected the space request specified on a DD statement. In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***nnnn***

The reason code assigned by the installation.

## System action

The system ends the job.

## Programmer response

Refer to your installation procedures to determine the cause of the failure as indicated by reason code *nnnn*. Check the DD statement to ensure that it follows installation requirements for space requests. If it does not, change the DD statement and resubmit the job. If the DD statement is correct, notify your system programmer of the problem.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

## Explanation

The system could not satisfy the space request specified on a DD statement on any volume(s) eligible for the request. In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***nnnn***

The reason code assigned by the installation.

## System action

The system ends the job.

## Programmer response

Refer to your installation procedures to determine the cause of the failure as indicated by reason code *nnnn*. Check the DD statement to ensure that it follows installation requirements for space requests. If it does not, change the DD statement and resubmit the job. If the DD statement is correct, notify your system programmer of the problem.

## Source

Allocation

## Module

IEFAB431

## Routing code

11

## Descriptor code

-

---

**IEF278I**

***jobname {procstep} stepname ddname {+ xxx} UNIT AFFINITY  
IGNORED, REASON reason-code, ALLOCATED USING unitname.***

## Explanation

The unit affinity request could not be honored because of system restrictions.

In the message text:

### ***jobname***

The name of the job that requested unit affinity.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**reason-code**

The reason code, as follows:

**1**

One of the requests is an SMS-managed tape request and the other request is not. These requests cannot be honored because the devices required for the requests do not intersect.

**2**

The DDs request incompatible generic data sets. These requests cannot be honored because the devices required for the DDs do not intersect.

**3**

The requests are for incompatible tape libraries. These tape library requests cannot be honored because the devices eligible to the requests do not intersect.

**4**

The referenced request's device eligibility is not a subset of the referencing request. Because the referenced request is always allocated first, the device or devices allocated to it must also be eligible to all referencing requests.

**5**

The referencing request is a non SMS-managed data set that is referencing an SMS-managed request.

**unitname**

The unit name chosen by the system to replace the unit affinity specification.

**System action**

The system allocates the DD statement using the unit name specified.

**User response**

Change the job to not request unit affinity.

**Source**

Allocation

**Module**

IEFAB42B

**Routing code**

11

**Descriptor code**

6

## Explanation

The user requested data set stacking, but inconsistent device categories were specified for the requests that make up the data set collection. The system was unable to resolve the inconsistency. The storage management subsystem (SMS) is not at the proper level to resolve the inconsistency; DFSMS/MVS 1.3.0, or higher, is required.

In the message text:

***jobname***

The name of the job that requested data set stacking.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname1***

The DD name that the system determined is part of a data set collection, but for which an inconsistent device category was specified as compared with *ddname2*.

***ddname2***

The DD name that the system determined is part of a data set collection, but for which an inconsistent device category was specified as compared with *ddname1*.

## System action

The system ends the job.

## System programmer response

Ensure that DFSMS/MVS 1.3.0 or higher is installed, or modify the ACS routines to have the DDs directed to consistent device categories.

## Source

Allocation

## Module

IEFAB42B

## Routing code

11

## Descriptor code

6

## Explanation

In response to a VARY command, a device has been placed offline. In the message text:

***dev***

The device number.

## DEVICE IS BOXED

The device was boxed because of a hardware I/O error, or VARY *dev*,OFFLINE,FORCE command processing.

When the system boxes a device, these events occur:

- I/O on the device ends.
- Any new I/O requests result in permanent I/O errors.
- No new allocations are done for the device.
- If the device was online, it is marked pending offline. The device goes offline when these conditions occur, in this order:
  1. The device is no longer allocated to any job.
  2. Allocation can get the necessary resources to process the request.

If the device was offline, it remains offline.

## System action

Processing continues.

## Operator response

To recover a boxed device, proceed as follows:

1. In most cases, make the boxed device offline to all sharing systems.
2. Determine the cause for the boxing, and take any required hardware repair actions.

In the case of a broken device, the device must be repaired before proceeding to step “3” on page 178.

In the case of a broken control unit, the device should be used only over the other (good) control unit paths. The broken control unit may be repaired at a later time. Proceed to step “3” on page 178.

In the case of a broken channel, the device should be used only over other (good) channel paths. The broken channel may be repaired at a later time. Proceed to step “3” on page 178.

3. To bring the device online to allow the system programmer to verify the data on the boxed device, proceed with one of the following:

- a. If the device is offline and boxed (F-BOX), vary the device online using the following command:

```
VARY dev,ONLINE
```

- b. If the device is allocated and boxed (A-BOX), determine the users of the device using the following command:

```
DISPLAY U,,ALLOC,dev,1
```

Use your installation procedures to unallocate users of the device. You may have to cancel jobs or TSO/E users. If you cannot unallocate all users of the device (for example, a system task), then proceed to step “3.c” on page 178. Then vary the device online, using the following command:

```
VARY dev,ONLINE
```

For a boxed, allocated device, these actions are the preferred method for bringing the device online, as it allows the device to be taken offline before it is brought back online. This causes the operating system to perform VOLSER verification and path validation.

Proceed to step “4” on page 179 to verify the data on the volume.

- c. A device that is allocated and boxed, but not offline, may be brought online, using the following form of the VARY command:

```
VARY dev,ONLINE,UNCOND
```

**Note:** When this form of the command is used to bring the device online, the operating system does not verify the VOLSER.

4. Verify or repair the data, if necessary, or at least notify the owners of data on the volume. If a potential data integrity problem exists, the system programmer must check the data before the device is placed online to any system for starting productive work.

## System programmer response

Use the following tools to verify the data:

- LIST VTOC for VTOC
- IDCAMS with DIAGNOSE option for catalogs
- IDCAMS with VERIFY option for VSAM data sets

## Source

Allocation

## Module

IEFHBOFF

## Routing code

\*/2/3/4/7/8/Note 13

## Descriptor code

5/-

---

**IEF282I**

***dev* NOW UNLOADED [ -DEVICE IS BOXED]**

## Explanation

In response to an UNLOAD command, the system unloaded a volume from a device. In the message text:

***dev***

The device number.

### **DEVICE IS BOXED**

The device was boxed because of a hardware I/O error, or VARY *dev*,OFFLINE,FORCE command processing, or VARY CH(x),OFFLINE,FORCE command processing.

When the system boxes a device, these events occur:

- I/O on the device ends.
- Any new I/O requests result in permanent I/O errors.
- No new allocations are done for the device.
- If the device was online, it is marked pending offline. The device goes offline when these conditions occur, in this order:
  1. The device is no longer allocated to any job.
  2. Allocation can get the necessary resources to process the request.

If the device was offline, it remains offline.

## System action

Processing continues.

# Operator response

See the operator response for message IEF281I for information on recovering a boxed device.

## Source

Allocation

## Module

IEFHBUNL

## Routing code

2/3/4/7/8

## Descriptor code

5

|                |   |
|----------------|---|
| <b>IEF283I</b> | <i>dsname {NOT DELETED rc   UNCATALOGED} VOL SER NOS= ser [z],ser [z],ser [z],ser [z],ser [z] VOL SER NOS= ser [z],ser [z],ser [z].</i> |
|----------------|---|

## Explanation

A DD statement specified DELETE as the disposition of a data set, but the system did not delete the data set from the volumes listed in the message text.

If the data set was not deleted from any of its volumes, the volumes listed are all of the volumes on which the data set resides. If the data set was partially deleted, message IEF285I precedes this message in the SYSOUT data set and lists the volumes from which the data set was deleted.

Five volume serial numbers are listed per line until all the volumes are listed. The last volume serial number is followed by a period. In the message text:

**dsname**  
The data set name. If the data set name is ...PATH=.SPECIFIED..., the problem was with a z/OS UNIX file.

**rc**  
The return code, as follows:

- 1**  
The expiration date had not occurred. When the data set was created, the expiration date was specified by the EXPDT or RETPD subparameter in the LABEL parameter of the DD statement.
- 4**  
No device was available for mounting during deletion.  
**Note:** Under JES3, return code 4 might appear for a data set that was passed from a job step but was not received by the step where it was to be deleted. Return code 4 appears if one of the following has occurred:
  - The data set was allocated to a permanently resident device that was online to MVS but offline to JES3.
  - JES3 set up the data set on a device that was varied offline to JES3 before the data set could be deleted.
- 5**  
Too many volumes were specified for deletion. Because of this, not enough storage was available to perform the specified deletion. Deletion may be accomplished in several job steps by specifying some of the volume serial numbers in each step.
- 6**  
Either no volumes were mounted or the mounted volumes could not be demounted to permit the remaining volumes to be mounted.



**8**

A code, *z*, following each volume serial number, explains why the data set was not deleted from that volume.

**C**

The system found an error in the parameter list, as follows:

- An incorrect parameter list address
- An incorrect volume list address
- An incorrect volume count
- Conflicting options

**10**

The storage management subsystem is not active, so the DELETE request could not be processed. (The request was for an SMS-managed data set.

**11**

A system error occurred while trying to delete an SMS-managed or VSAM data set; SMS failed the DELETE request.

**14**

An attempt to delete a migrated data set was unsuccessful. Error messages from the archive product, such as DFSMSHSM, might appear in the joblog.

### UNCATALOGED

The data set was not found on all the volumes listed in the catalog. It was deleted from the volumes listed in message IEF285I and was uncataloged.

***ser***

The volumes involved, as follows:

- A 6 digit number: The serial number of the volume, which contains labels.
- A number beginning with a slash or L: the volume is unlabeled. The number is an internal serial number assigned by the system to the unlabeled volume. If *ser* begins with L, the number after the L is of the form xxxyy, where xxx is the data set number and yy is the volume sequence number for the data set.

***z***

A code indicating why the data set was not deleted from a volume, as follows:

**1**

The system could not find the data set on the volume.

**2**

The data set is security protected and the correct password was not given.

**3**

The expiration date had not occurred. When the data set was created, the expiration date was specified by the EXPDT or RETPD subparameter in the LABEL parameter of the DD statement.

**4**

An uncorrectable I/O error occurred in deleting the data set from the volume.

**5**

The system could not have the volume mounted to delete it.

**6**

The system asked the operator to mount the volume, but the operator did not. Or, in a system with MSS and JES3, JES3 would not allow the virtual volume to be mounted.

**7**

The data set cannot be deleted because it is currently in use.

**8**

Either the caller is not authorized by RACF to access the data set, or the data set DSCB indicates that it is RACF-defined but no profile exists for the data set in the RACF data set. (This code is generated only in systems containing the resource access control facility (RACF).)

9

The data set is associated with one or more RACF-defined entities. (This code is generated only in systems containing RACF).

## Programmer response

Depending on the value of *rc* and *z*, do the following:

**rc**

### Action

**1**

Do not attempt to delete the data set.

**4**

Make sure that the correct volumes can be mounted. If JES3 is being used, be sure the device containing the data set is online to JES3.

**5**

Delete the data set in several job steps.

**6**

Make sure that the correct volumes can be mounted.

**8**

And *z* is 1, 5, or 6, make sure that the correct volumes can be mounted.

And *z* is 2, supply the correct password.

And *z* is 3, do not attempt to delete the data set.

And *z* is 4, resubmit the job.

And *z* is 7, do not specify SHR as the disposition for the data set.

And *z* is 8, contact the installation RACF administrator to correct the problem by properly defining the data set or by providing correct RACF authorization.

And *z* is 9, have the owners of the RACF-defined entities delete the profiles from the RACF data set.

**10**

Ask the system programmer to verify the status of SMS.

**11**

Check for SMS messages; resubmit the job.

**14**

Correct the condition described by the error messages. If none appears, resubmit the job, as the data set might have been recalled while the job was running. If the condition persists, recall the data set manually before submitting the job.

## Source

Allocation

## Module

IEFAB4A2

## Routing code

2/3/4

## Descriptor code

4

## Explanation

The automatically switchable device is assigned to a system that is outside the sysplex, or is within the sysplex but is using the device as a dedicated device.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***procname***

The name of the step in the procedure.

***ddname***

The name of the DD statement or dynamic allocation request.

***relpos***

The position of a concatenated DD statement relative to the first DD in the concatenated group.

***devnum***

The device number.

## System action

The system fails the job step or dynamic allocation request.

## Operator response

Determine which system has the device assigned. Issue the DISPLAY U,,, command from each system that could vary the device online. In response, message IEE457I identifies devices assigned to the system with the letter R, meaning reserved.

If message IEE457I does not also identify the device with the letter A, which means allocated, or one of the other status codes for message IEE457I meaning either SYS, allocated to system, BOX, hardware error, BSY, device busy, or other code indicating the device is unavailable, and you want to make the device available to the system on which the job or application was running, do the following:

- Vary the device OFFLINE from the system to which it is currently assigned.
- Vary the device ONLINE to the system the job or application was running on at the time of error.
- Rerun the job or restart the application that encountered the error.

Otherwise, CANCEL the job or application and try again later when the device becomes available.

## Source

Allocation

## Module

IEFAB48B

## Routing code

11

## Descriptor code

-

IEF285I

*dsname dsp rc VOL SER NOS= ser,ser,ser,ser,ser VOL SER NOS= ser,ser,ser.*

## Explanation

The system performed the disposition requested for a data set.

### *dsname*

The data set name. If the data set name is ...PATH=.SPECIFIED..., the data set was a z/OS UNIX file.

### *dsp*

One of the following:

- CATALOGED
- DELETED
- HDELETED
- KEPT
- PASSED
- RECATALOGED
- SUBSYS
- SYSIN
- SYSOUT
- UNCATALOGED

### *rc*

The hex return code, as follows:

#### **Return Code**

#### **Explanation**

#### **10**

The storage management subsystem (SMS) was not active while trying to process the disposition for an SMS-managed data set.

#### **11**

A system error occurred while trying to process the disposition of an SMS-managed data set.

### *ser*

The volumes involved, as follows:

- A 6-digit number: The serial number of the volume, which contains labels.
- A number beginning with L: The volume is unlabeled. The number is an internal serial number assigned by the system to an unlabeled volume. It is of the form xxxyy, where xxx is the data set number and yy is the volume sequence number for the data set.
- If blank, the volume is an unlabeled magnetic tape whose disposition is PASSED.

If no VOL SER line is issued, the system disposed of either a VIO data set or a subsystem data set (For example SYSIN, SYSOUT, SUBSYS).

The message lists five volume serial numbers per line until all the volumes are listed. A period follows the last volume serial number.

For data sets which are deleted prior to being unallocated, this message may show a disposition of KEPT. This can happen in the case of data sets deleted by

- the TSO/E DELETE command,
- the IDCAMS DELETE command, or

- any system or application program which issues the SCRATCH SVC.

To determine the actual disposition of the data sets, check the message sent for the DELETE command or SCRATCH SVC to:

- the TSO/E terminal,
- the IDCAMS SYSPRINT data set, or
- messages issued by the system or application program (if any).

When this message indicates deletion of a passed, unreceived data set that was created during the job, another IEF285I message may indicate that another temporary data set was kept. This data set is actually a dummy data set occupying no space. It was allocated so SCRATCH processing could access the volume.

When IDCAMS is running, inexplicable IEF285I messages with system-generated temporary data set names and a disposition of KEEP appear frequently. The data sets do not exist and the names, which are generated when a program allocates a volume with a disposition of OLD or SHR, do not appear on any of the specified volumes. Ignore these messages.

Message IEF285I will appear for all data sets on any console on which a MONITOR STATUS operator command has been issued.

## System action

When you specify a status subparameter of OLD, SHR, or MOD on a DD statement for a data set that does not exist, the system proceeds based on whether you have supplied VOLUME and UNIT information on the DD statement.

Depending on the value for *dsp* the system responds as follows:

### CATALOGED

The system catalogs the data set.

### DELETED

The system deletes the data set.

### HDELETED

The system deletes the data set without recalling it.

### KEPT

The system takes no action for this request, although another request for the same data set during the same job might cause the data set to be cataloged or deleted.

### PASSED

See [\*z/OS MVS JCL User's Guide\*](#) for more information about disposition processing for data sets that do not exist.

### RECATALOGED

The catalog entry for this data set has been updated (for example, additional volumes for a multi-volume data set).

### SUBSYS

A subsystem data set was allocated.

### SYSIN

A system input data set was allocated.

### SYSOUT

A system output data set was allocated.

### UNCATALOGED

The data set was uncataloged.

## Source

Allocation

## Module

IEFAB4A2

## Routing code

11

## Descriptor code

-

---

**IEF286I**

***jobname [procstep] stepname ddname[+ xxx] - DISP FIELD***  
**INCOMPATIBLE WITH DSNAME**

## Explanation

The disposition specified in a DD statement does not agree with the status of the data set. The DD statement defined either:

- A new generation data group (GDG) data set, but the data set already exists.
- An old GDG data set, but the data set does not exist.
- An existing generation data group (GDG) data set name (for example, generation 0), but the data set does not yet exist.

**Note:** This message will be received for a relative reference to a GDS which is cataloged, but which is not rolled into the GDG base.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Correct the disposition specified, correct the relative generation level requested, or if creating the first data set in a GDG with DISP=MOD, use the '+1' notation to create the data set. Rerun the job.

## Source

Allocation

## Module

IEFAB461

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IEF287I | <i>dsname dsp w VOL SER NOS= ser,ser,ser,ser,ser VOL SER NOS= ser,ser,ser.</i> |
|---------|--|

---

## Explanation

The DISP parameter of a DD statement was CATLG or UNCATLG, but the system could not catalog or uncatalog the data set.

The message lists five volume serial numbers per line until all the volumes are listed. A period follows the last volume serial number. In the message text:

### *dsname*

The data set name.

### *dsp*

The disposition of the data set. If CATLG was specified in the DD statement, then *dsp* appears in the message text as NOT CATLGD (not cataloged) or NOT RECTLGD (not recataloged) or NOT ROLLED (not rolled in). NOT ROLLED is issued when a new storage management subsystem (SMS)-managed generation data group member with a disposition of CATLG fails to get rolled into the generation data group base. If UNCATLG was specified in the DD statement, *dsp* appears in the message text as NOT UNCTLGD (not uncataloged).

### *w*

Explains why the data set was not cataloged, recataloged, rolled in, or uncataloged, as follows:

### *w*

#### Explanation

#### 1

A control volume or user catalog was required and a utility program must be used to catalog the data set.

#### 2

One of the following has occurred:

- The data set to be cataloged had been cataloged previously. Either a catalog entry already exists for the DSNAMES specified, or a catalog entry for an ALIAS of another data set matches the DSNAMES specified.
- The data set to be uncataloged could not be located.
- The data set name of the data set to be cataloged in an ICF catalog has the same low-level qualifier (GnnnnVnn) as a GDG (generation data group) generation. This is not supported by the ICF catalog.
- The data set name of a data set to be cataloged in a user catalog or CVOL has the same high level qualifiers as the name of a catalog entry that already exists in the user catalog or CVOL. For example, data set A.B.C.D cannot be cataloged in a CVOL if A.B or A.B.C is already in the catalog.
- The data set name to be cataloged or uncataloged has been improperly constructed or modified. For example, by means of READJFCB and OPEN TYPE=J.

#### 3

A specified index did not exist.

#### 4

The data set could not be cataloged because space was not available in the catalog data set.

**5**

Too many volumes were specified for the data set; because of this, not enough storage was available to perform the specified cataloging.

**6**

The data set to be cataloged in a generation index is improperly named.

**7**

The data set to be cataloged was not opened and the following information was not provided on the DD statement or via the retrieved source (VOL=REF or passed data set):

**Density**

For dual density tape requests only

**Recording mode**

For requests where compaction information is required

**9**

One of the following has occurred:

- An input/output error that cannot be corrected occurred in reading or writing the catalog because of a GDG sequencing error. This can happen when the system is trying to catalog a new GDS whose generation number is lower than an existing GDS, such as when the generation numbers wrap from G9999V00 to G0001V00.
- A catalog is expiration date protected but the purge date has not passed.
- The user is denied access to a catalog by the Resource Access Control Facility (RACF).
- The size of the catalog record required to hold all of the information for the data set would exceed the LRECL of the catalog.

**A**

The VTOC of a DOS volume could not be converted to OS format.

**10**

SMS is not active, so the CATLG request for a new SMS-managed generation data group (GDG) generation could not be processed. The generation remains in a deferred roll-in state.

**11**

A system error occurred while trying to catalog, uncatalog, or delete a SMS-managed data set. For an error that occurred when trying to catalog a new SMS-managed GDG generation, the generation remains in a deferred roll-in state.

**12**

The security package determined that access to the data set, GDG base, or catalog was improper, or access to the tape volume was not allowed. Alter access is required to a TAPEVOL profile.

**13**

During device allocation, the system did not use Catalog Services to retrieve the volume or unit information on this dataset. Therefore, it did not uncatalog the dataset.

**ser**

The volumes involved, as follows:

- A 6-digit number: The serial number of the volume, which contains labels.
- A number beginning with L: The volume is unlabeled. The number is an internal serial number assigned by the system to an unlabeled volume and is of the form xxxyy, where xxx is the data set number and yy is the volume sequence number for the data set.

## **Programmer response**

If w is 9 resubmit the job.

If w is not 9, probable user error.

If w is 1, run the required utility program, making sure the required control volume is mounted.

If w is 2 or 3, correct the DSNAMES parameter of the DD statement, and submit the job step again.



If *w* is 4, increase the size of the catalog data set or delete unused catalog entries, and use a utility program to catalog the data set.

If *w* is 5, reduce the number of volumes specified for the data set.

If *w* is 6, and *dsname* is G0000V00, do the following:

1. Using IEHLIST, list all the data set names for that GDG (generation data group).
2. Using IEHPROGM, rename the data sets in the same order as they exist, starting with G0001V00 or higher. Uncatalog the data sets using the original data set names, then catalog the data sets using the new names.

If *dsname* is not G0000V00, correct the DSNAMES parameter of the DD statement and submit the job step again.

If *w* is 9, resubmit the job, or catalog the data set using some alternate method, such as the IDCAMS utility.

If *w* is A, either scratch or move the split cylinder data set that is creating the error, and run the job again.

If *w* is 10 or 11, and the data set is a new generation data set, use the access method services command ALTER ROLLIN to roll in the generation data set. Generation data sets in a deferred roll-in state can be referred to by their absolute generation numbers.

If *w* is 12, contact the Security Administrator to obtain proper authorization.

## Source

Allocation

## Module

IEFAB4A2

## Routing code

11

## Descriptor code

-

---

IEF288I

*dsname* SYSOUT

## Explanation

The job entry subsystem (JES2 or JES3) will process a SYSOUT data set according to the parameter specified on a DD statement or on a SETPRT macro. The system issues the message whenever the SETPRT macro changes the printer specifications for a SYSOUT data set.

In the message text:

***dsname***

The name of the data set.

## System action

Processing continues.

## Source

Allocation

## Module

IEFAB4SF

## Routing code

11

## Descriptor code

4

---

**IEF289E**

*jobname stepname* WAITING FOR VOLUME(S) OR UNIT(S)

## Explanation

A job step is waiting for volume(s) or unit(s).

In the message text:

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

The system issues this message when a job must wait for an allocated or offline device and either:

- one of the following is specified in the ALLOCxx member of the parmlib data set:
  - ALLC\_OFFLN POLICY (WAITHOLD)
  - ALLC\_OFFLN POLICY (WAITNOH)
  - SPEC\_WAIT POLICY (WAITHOLD)
  - SPEC\_WAIT POLICY (WAITNOH)
- or IEF\_ALLC\_OFFLN (the Allocated/Offline Device Installation Exit) or IEF\_SPEC\_WAIT (the Specific Waits Installation Exit) requests to let the job wait, either holding or not holding resources.

## System action

The system does not run the step until the required volume(s) or unit(s) that the step is waiting for become available.

## Operator response

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center for direction in obtaining a Symptom Record for information about the volume(s) or unit(s) for which the step is waiting.

## Source

Allocation

## Module

IEFAB48A for non-Specific Requests, IEFAB487 for Specific Requests (volume or unit)

## Routing code

2

## Descriptor code

3

**Explanation**

A step received an incorrect action code from an installation exit routine.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***xxx***

The action code.

***yyy***

The installation exit routine, which is one of the following:

- 'VOLUME ENQ'
- 'VOLUME MOUNT'
- 'OFFLINE DEVICES'
- 'SPECIFIC WAIT'

**System action**

The system ignores the action code. The system uses defaults to determine how to process the allocation request.

**System programmer response**

Correct the installation exit routine to return a valid action code to the caller.

**Source**

Allocation

**Module**

IEFAB487, IEFAB48A, IEFAB421, IEFAB493

**Routing code**

3

**Descriptor code**

4

**Explanation**

The automatically switchable device is assigned to a system that is outside the sysplex, or is within the sysplex but is using the device as a dedicated device.

In the message text:

***devnum***

The device number.

## System action

The system removes the device from consideration for allocation until the device can be successfully assigned to this system.

## Source

Allocation

## Module

IEFAB4FX

## Routing code

3

## Descriptor code

4

---

|         |  |
|---------|--|
| IEF293I | UNIT <i>dev</i> NOT VARIED ONLINE, UNABLE TO REGISTER DEVICE. SAME<br>NED AS <i>dupdev</i> |
|---------|--|

## Explanation

VARY ONLINE or Recovery Allocation tried to vary a device online. The system detected the device that attempted to come online had a NED that was a duplicate of an already online tape device (*dupdev*). Since a NED is a unique device identifier, devices with duplicate NED cannot be brought online.

In the message text:

### ***dev***

This is the device that was being varied online.

### ***dupdev***

This is the device that is already online with the same NED.

## System action

Device *dev* is not allowed to come online.

## Operator response

Notify the System Programmer.

## System programmer response

Contact the tape device manufacturer to report the duplicate NED.

## Source

Allocation

## Module

IEFAB4FX

## Routing code

3 when caller is Recovery Allocation. When caller is VARY ONLINE, the message will be routed to the Consoles that initiated the request or to the Hardcopy log.

## Descriptor code

None.

---

**IEF294I** **UNIT *devnum* IS NO LONGER ASSIGNED TO A FOREIGN HOST**

## Explanation

The automatically switchable device was assigned to a system that is outside the sysplex, or is within the sysplex but is using the device as a dedicated device. The device is now available to this system.

In the message text:

### ***devnum***

The device number.

## System action

The device is now eligible for allocation on this system.

## Source

Allocation

## Module

IEFAB4FX

## Routing code

11

## Descriptor code

-

---

**IEF295I** ***jobname [procstep] stepname ddname [+ xxx]* – VOLUME MOUNTING  
NOT ALLOWED BUT IS NEEDED BY JES3 INITIALIZATION**

## Explanation

The system found either a DD statement or a concatenated DD statement that requires a volume mount to satisfy the DD request. However, the system cannot allow volume mounts for DD statements.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The procedure containing the DD statement

### ***stepname***

The name of the job step containing the DD statement

### ***ddname***

The DD statement that requires a volume mount to satisfy the DD request.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

If an APPC transaction generates this message, modify either the system defaults or the location of the data set. Otherwise, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

If this message appears in a regular job log, save the job log and notify a systems programmer. This message should only be received by Advanced Program-to-Program Communications (APPC) transactions.

**Source**

Allocation

**Module**

IEFAB4FJ

**Routing code**

11/Note 36

**Descriptor code**

-

---

**IEF300I** *jobname* WTR CLOSED - SUBSYSTEM INTERFACE ERROR *xxxx/yyyy***Explanation**

A serious error occurred either while the external writer was attempting to obtain a SYSOUT data set from JES2 or JES3 or to dynamically allocate a SYSOUT data set received from JES2 or JES3.

In the message text:

***jobname***

The jobname assigned to the external writer processing the SYSOUT data set.

***xxxx/yyyy***

The error code received by the external writer. Interpret the error code as follows:

- If *yyyy* = 0000, the IEFSSREQ macro instruction was issued, and *xxxx* is the return code (in register 15) from IEFSSREQ macro processing. See the description of the subsystem options block (SSOB) in *z/OS MVS Data Areas* in the *z/OS Internet library* ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)) for the explanation of the register 15 return codes.
- If *yyyy* = FF00, the IEFSSREQ macro instruction was issued, and *xxxx* is the value of the SSOBRETN field in the subsystems option block (SSOB). See the description of the SSOB in *z/OS MVS Data Areas* in the *z/OS Internet library* ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)) for the

explanation of the return codes in SSOBRETN. These codes are listed under 'Process SYSOUT Data Sets Return Codes'.

- If yyyy is any value except 0000 or FF00, SVC 99 was issued; yyyy is the error reason code (S99ERROR), and xxxx is the return code in register 15 from SVC 99 processing. See [z/OS MVS Programming: Authorized Assembler Services Guide](#) for the explanation of the SVC 99 error reason codes and return codes.

## System action

The external writer closed the output data set on device *dev* and ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

## Programmer response

Respond as required for the error code that appears in the message. When the problem is corrected, enter the START XWTR command again.

## Source

JES2 or JES3

## Module

IASXSD82

## Routing code

\*,2,10

## Descriptor code

4

---

**IEF301I** *jobname* WTR CLOSED

## Explanation

In response to a STOP command, the external writer closed its output data set and stopped itself.

In the message text:

***jobname***

The jobname assigned to the external writer.

## System action

The external writer is no longer active.

## Operator response

None.

## Source

JES2

## Routing code

-

## Descriptor code

4

---

IEF302A

*jobname* WTR WAITING TO START *aaaaaaaa* FOR JOBID *nnnnnnnn*

## Explanation

The external writer is waiting for the operator to validate writer name *aaaaaaaa*. The writer name was specified on a SYSOUT DD statement in JOBID *j*.

In the message text:

***jobname***

The jobname assigned to the external writer that is waiting.

***aaaaaaaa***

The external writer name.

***nnnnnnnn***

The job identifier.

## System action

The external writer is in a wait state until it receives a response from the operator.

## Operator response

If the writer name is valid and is to be used by the external writer, then enter REPLY xx,'U' and the external writer will use the name. If the writer name is invalid and the external writer is not to use the name and is to bypass and delete this data set, enter REPLY xx,'N'. If the external writer is to use another writer name, enter REPLY xx,'N,cccccccc', where cccccccc is the other writer name. Finally, if *aaaaaaaa* is not valid and the operator wants the external writer to use the IBM-supplied default writer name, enter REPLY xx,'D' and the external writer will use the default writer name to write the data set.

## Source

JES2

## Routing code

2,7

## Descriptor code

2

---

IEF303I

*jobname* WTR CLOSED - OUTPUT ERROR

## Explanation

The external writer closed its SYSOUT data set and stopped itself, because of an uncorrectable input/output error while writing the data set. The data that was being written will be written on the device specified in the next START XWTR command that also specifies the data's selection criteria.

In the message text:

***jobname***

The jobname assigned to the external writer.



## Operator response

Enter another START XWTR command, specifying the same selection criteria of the data that was being written.  
Contact hardware support.

## System programmer response

Obtain the JCL for the job.  
Collect all printed output and output data sets related to the problem.

## Source

JES2

## Routing code

\*,7,10

## Descriptor code

4

---

**IEF307I** *jobname* WTR CLOSED-OUTPUT DCB FAILED TO OPEN

## Explanation

While processing a START XWTR command, the system was either:

- unsuccessful in opening the system output data set, or
- unsuccessful in determining the device type associated with the output data set.

In the message text:

***jobname***

The jobname assigned to the external writer.

## System action

The external writer will terminate itself.

## Operator response

Restart the writer.

## System programmer response

Obtain the JCL for the job.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

\*,7,10

## Descriptor code

4

---

**IEF311I**

**NOP - SETPRT PARAMETER LIST INVALID**

---

### Explanation

When the External Writer issued the SETPRT macro to load the UCS/FCB buffer(s) on a 3211 printer for the input data set, no operation was performed because the SETPRT parameter list was not valid.

### System action

The External Writer stops processing the input data set and goes on to process other input data sets.

The system issues messages about the job to the job log.

### System programmer response

Make sure that the UCS/FCB parameters are correctly specified on the DD statement.

### Problem determination

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

Obtain the program listing for the job.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

JES2

### Routing code

2,7,11

## Descriptor code

6

---

**IEF314I**

**SYSIO**

---

### Explanation

While an External Writer was reading a SYSOUT data set, one of the following was detected:

- An uncorrectable input/output error in reading the input data set.
- For an input data set containing blocked variable format records, a logical record that was too short; that is, less than 5 characters for blocked variable format with control characters or less than 4 characters for blocked variable format with no control characters.
- For an input data set containing fixed or fixed blocked records, the BLKSIZE or LRECL of the data is not the same as the BLKSIZE or LRECL which describe the attributes of the data set.

### System action

The External Writer stopped processing the input data set and will go on to process other input data sets.

## System programmer response

Probable user error. Make sure that the input data set does not have a blocked variable format record that is too short. Then recreate the data set by again executing the job step that produced it.

Obtain the SYSOUT output for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. volume containing the SYSOUT data set, 29.

## Source

JES2

## Routing code

Note 11

## Descriptor code

-

---

|         |       |
|---------|-------|
| IEF316I | CCBAD |
|---------|-------|

## Explanation

While an External Writer was writing a SYSOUT data set, an invalid machine control character was detected in the input data set. The External Writer could not translate the character into an ASA character.

## System action

The External Writer stops processing the input data set and goes on to process other input data sets.

## System programmer response

Probable user error. Make sure that the input data set contains valid control characters.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

Note 11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF318I | <i>jobname [procstep] stepname ddname[+ xxx] 'UNIT=AFF' INVALID FOR REQUEST SPECIFYING NEW DIRECT ACCESS DATA SET</i> |
|---------|---|

## Explanation

A DD statement specified an AFF subparameter on the UNIT parameter for a new direct access data set.

In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

If the data set is new, remove the AFF subparameter and ensure that the UNIT parameter specifies a unit address or unit type. Then run the job again.

**Source**

Allocation

**Module**

IEFAB42B

**Routing code**

11

**Descriptor code**

6

---

**IEF321I****INVALID SEGMENT****Explanation**

In an input data set, a variable record extension (VRE) segment descriptor word is incorrect. For example, a beginning segment occurred before the end segment of the last logical record.

**System action**

The External Writer closed its output data set and stopped itself.

**System programmer response**

Probable user error. Make sure the segment descriptor words in the input data set are being created correctly. Then execute the job step again.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

JES2

### Routing code

Note 11

### Descriptor code

-

---

**IEF322I****NO FCB IMAGE-ID SPECIFIED FOR VERIFICATION**

### Explanation

In response to a user request for verification of the FCB image on a 3211 printer, no image-id had been specified with the verification request.

### System action

The External Writer ignores the request for verification and continues with remaining requests.

### System programmer response

VERIFY should only be specified with the FCB image-ID to be verified. Make sure the FCB image-ID is correctly included following the FCB=keyword parameter on the DD statement.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

JES2

### Routing code

Note 11

### Descriptor code

-

---

**IEF323I****NO FCB IMAGE-ID SPECIFIED FOR ALIGNMENT**

### Explanation

In response to a user request for alignment of the FCB forms on a 3211 Printer, no image-ID had been specified with the alignment request.

### System action

The External Writer ignores the request for alignment and continues with remaining requests.

## System programmer response

ALIGN should only be specified with the FCB image-ID to be aligned. Make sure the FCB image-ID is correctly included following the FCB=keyword parameter on the DD statement.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

-

## Descriptor code

-

---

**IEF324I**

**NO UCS IMAGE-ID SPECIFIED FOR VERIFICATION**

## Explanation

In response to a user request for verification of the UCS image on a 3211 Printer, no image-ID had been specified with the verification request.

## System action

The External Writer ignores the request for verification and continues with remaining requests.

## System programmer response

VERIFY should only be specified with the UCS-ID to be verified. Make sure the UCS image-ID is correctly included following the UCS=keyword parameter on the DD statement.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

Note 11

## Descriptor code

-

---

**IEF325I**

**OPERATOR CANCELLED LOAD. UCS/FCB IMAGE-ID/CHAIN NOT AVAILABLE.**

## Explanation

When the External Writer issued the SETPRT macro to load the UCS/FCB buffer(s) on a 3211 printer for the input data set, either the image could not be found in the image library (SVCLIB) or the requested chain was not available. Therefore, the operator cancelled the load.

## System action

The External Writer stops processing the input data set and goes on to process other input data sets.

## System programmer response

Load the required image into the system library or respecify the image-ID on the DD statement to use an image and chain available at the installation. Run the IBM System Utility IEHLIST, LISTPDS DSN= image library on volume which contains the image library; save output.

Obtain the program listing for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

2,7,11

## Descriptor code

5

---

IEF326I

PERMANENT I/O ERROR ON BLDL LOCATE ON UCS/FCB IMAGE IN  
SYSTEM LIBRARY

## Explanation

When the External Writer issued the SETPRT macro to load the UCS/FCB buffers on a 3211 printer for the input data set, a permanent I/O error was detected when the BLDL macro instruction was issued by data management to locate the character set image in the image library.

## System action

The External Writer closes its SYSOUT data set and automatically discontinues processing.

## Operator response

Enter another START XWTR command specifying the class name of the data that was being written.

## System programmer response

Save the associated output from XWTR. Execute system utility IEHLIST, LISTPDS, DSN= image library on volume which contains the image library; save output.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

2,7,11

## Descriptor code

4

---

|         |   |
|---------|---|
| IEF327I | WTR <i>dev</i> CLOSED. PERMANENT I/O ERROR WHILE LOADING UCS/FCB BUFFER |
|---------|---|

---

## Explanation

When the external writer issued the SETPRT macro to load the UCS/FCB buffer(s) on a 3211 printer for the input data set, a permanent I/O error persisted after two attempts were made to load the associated buffer.

In the message text:

***dev***

The device number.

## System action

The external writer closes its SYSOUT data set on device *dev* and stops itself.

## Operator response

Enter another START XWTR command, specifying the selection criteria of the data that was being written.

## System programmer response

Save the associated output from the XWTR.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

2,7,10,11

## Descriptor code

4

---

|         |   |
|---------|---|
| IEF328I | WTR <i>dev</i> CLOSED. PERMANENT I/O ERROR ON UCS/FCB IMAGE VERIFICATION. |
|---------|---|

---

## Explanation

When the external writer issued the SETPRT macro to load the UCS/FCB buffer(s) on a 3211 printer for the input data set, a permanent I/O error was detected when an attempt was made to display the character set image on the printer for visual verification.



In the message text:

***dev***

The device number.

### **System action**

The external writer closes its SYSOUT data set on device *dev* and stops itself.

### **Operator response**

Enter another START XWTR command, specifying the selection criteria of the data that was being written.

### **System programmer response**

Obtain the output for the XWTR.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### **Source**

JES2

### **Routing code**

2,7,10,11

### **Descriptor code**

4

---

**IEF329I**

**WTR *dev* CLOSED. OPERATOR CANCELLED LOAD. INCORRECT UCS/FCB  
IMAGE DISPLAYED FOR VERIFICATION.**

### **Explanation**

When the external writer issued the SETPRT macro to load the UCS/FCB buffers on 3211 printer for the input data set, the operator cancelled the load because an incorrect image was displayed on the printer for visual verification.

In the message text:

***dev***

The device number.

### **System action**

The external writer closes its SYSOUT data set on device *dev* and stops itself.

### **System programmer response**

Insure that the requested train contains the graphics necessary to print the image-ID specified and that the image-ID and desired verification image are correctly defined.

Obtain the output from the XWTR.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

7,11

## Descriptor code

5

---

|                |  |
|----------------|--|
| <b>IEF330I</b> | <i>jobname [procstep] stepname ddname[+ xxx] - DATA SET WAIT REQUEST CANCELLED</i> |
|----------------|--|

---

## Explanation

The system issues this message for batch jobs when the operator replies NO to message IEF458D.

In the message text:

### ***jobname***

The job name.

### ***procstep***

The procedure step name.

### ***stepname***

The name of the job step.

### ***ddname***

The data definition (DD) name.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job in response to the operator's cancel request.

## Programmer response

There may be a conflict in the shared or exclusive use of a data set. The data set that the job requested was in use by another job. Submit the job for processing again.

## Source

Allocation

## Module

IEFAB459

## Routing code

11

## Descriptor code

-

**IEF331I**

**WTR *dev* CLOSED. SETPRT NOP-UNCORRECTABLE OUTPUT ERROR ON PREVIOUS OPERATION.**

## Explanation

When the external writer issued the SETPRT macro to load the UCS/FCB buffers on a 3211 printer for the input data set, no operation was performed due to an uncorrectable error in a previously initiated output operation.

In the message text:

***dev***

The device number.

## System action

The external writer closes its SYSOUT data set on device *dev* because of the uncorrectable output error, and stops itself.

## Operator response

Follow action specified for those companion messages which describe the nature of the uncorrectable error. Enter another START XWTR command, specifying the selection criteria of the data that was being written.

## System programmer response

Obtain the output for the XWTR.

If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

JES2

## Routing code

2,7,10,11

## Descriptor code

6

**IEF333I**

***jobname [procstep] stepname ddnamexx [+ xxx ] UNABLE TO ALLOCATE UNITS TO ONE LIBRARY. REQUESTED ddd1 STILL NEEDED ddd2***

## Explanation

LIBRARIES *libname* {*,libname...*}

The listed libraries are eligible to this allocation request, but the request failed because the system could not assign all the required tape devices within one eligible system-managed tape library.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the cataloged procedure.

**stepname**

The name of the job step.

**ddnamexx**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**ddd1**

The number of tape devices requested.

**ddd2**

The number of tape devices still required.

**libname**

A system-managed tape library that was eligible to the request.

**System action**

The system fails the allocation.

**Programmer response**

Do one of the following:

- Reduce the number of devices required by the DD statement.
- Reduce the number of devices required by the step.
- Balance the total number of required devices among the DD statements in the step.

Then resubmit the job.

**Source**

Allocation/Unallocation

**Module**

IEFAB486

**Routing code**

11

**Descriptor code**

2

**IEF336I**

---

*jobname [procstep] stepname ddname [+ xxx] JOB CANCELLED BY  
{|VOLUME\_MNT |SPEC\_WAIT|ALLC\_OFFLN} INSTALLATION {POLICY|  
EXIT}*

**Explanation**

A job was cancelled by either an allocation installation policy or an allocation installation exit. This message is DD-related whereas message IEF876I is step-related.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**VOLUME\_MNT**

An allocation request requires a volume to be mounted.

**SPEC\_WAIT**

An allocation request must wait for a specific volume or unit.

**ALLC\_OFFLN**

An allocation request needs an allocated or offline device.

**System action**

The system cancels the job.

**System programmer response**

If the cancellation is unexpected, verify the ALLOCxx and EXITxx members of the parmlib data set and verify the installation exit routines.

**Module**

VOLUME\_MNT - IEFAB493, SPEC\_WAIT - IEFAB487, ALLC\_OFFLN - IEFAB48A

**Routing code**

11

**Descriptor code**

-

---

**IEF337I*****jobname [procstep] stepname - UNABLE TO ACCESS LOCKED CATALOG*****Explanation**

The system made an unsuccessful attempt to access a catalog that was locked for recovery. The job does not have the proper authorization to perform this function.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Do one of the following:

- Obtain the proper authorization for the job. Then resubmit the job.
- Wait until the catalog becomes unlocked. Then resubmit the job.

## Source

Allocation

## Routing code

11

## Descriptor code

-

---

IEF341I

ALLOCATION LISTEN REQUEST FAILED. VARYING A DEVICE ONLINE  
WILL NOT START WAITING JOBS.

## Explanation

Device Allocation is not able to detect when a device is brought online on the system. VARYing a device online will not start waiting jobs, which have pending allocation requests to be satisfied by the varied online device.

## System action

IPL continues. All aspects of the system function normally with the exception that VARYing devices online do not start waiting jobs.

## Operator response

Notify the system programmer.

## System programmer response

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB4I0

## Routing code

2

## Descriptor code

12

## Explanation

*text* is one of the following:

- NOT ENOUGH SYSTEM MANAGED VOLUMES ELIGIBLE
- NOT ENOUGH NON-SYSTEM MANAGED VOLUMES ELIGIBLE
- REQUIRED STORAGE MANAGER IS NOT AVAILABLE

The system cannot satisfy an allocation request.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## **NOT ENOUGH SYSTEM MANAGED VOLUMES ELIGIBLE**

A request was made for a data set that resides on a volume that the storage management subsystem (SMS) manages. There are not enough eligible volumes or eligible devices to satisfy the request. Note that for tapes, this could mean that there are no tape drives available in the Automated Tape Library.

## **NOT ENOUGH NON-SYSTEM MANAGED VOLUMES ELIGIBLE**

A request was made for a volume that SMS does not manage. There are not enough eligible volumes or eligible devices to satisfy the request. Note that for tapes, this could mean that there are no tape drives available outside of the Automated Tape Library, or that the SMS-managed tape volume being requested is not currently in the library (that is, it has been ejected), and the user exit for Volume Not in Library (CBRUXVNL) has not been implemented.

## **REQUIRED STORAGE MANAGER IS NOT AVAILABLE**

SMS is not initialized or is unavailable to satisfy a request for a data set.

## System action

The system ends the job.

## Programmer response

Do the following:

1. Determine whether the data set currently resides on or is to reside on an SMS-managed volume.
2. Change the UNIT, VOLUME, or STORCLAS requirements on the allocation request to specify an eligible volume.

## Source

Allocation

## Module

For **NOT ENOUGH SYSTEM MANAGED VOLUMES ELIGIBLE**, the detecting module is IEFAB424.

For **NOT ENOUGH NON-SYSTEM MANAGED VOLUMES ELIGIBLE**, the detecting module is IEFAB424.

For **REQUIRED STORAGE MANAGER IS NOT AVAILABLE**, the detecting modules are IEFAB42A, IEFAB42B, IEFAB431, IEFAB434, IEFAB457, IEFAB464, IEFAB469, IEFAB490, IEFAB492, and IEFDB413.

## Routing code

11

## Descriptor code

6

---

|                |  |
|----------------|--|
| <b>IEF344I</b> | <b><i>jobname [procstep] stepname - ddname [+ xxx] ALLOCATION FAILED<br/>DUE TO DATA FACILITY SYSTEM ERROR</i></b> |
|----------------|--|

---

## Explanation

The system cannot allocate a data set due to an unrecoverable error.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job. The system issues several MVS/DFP messages following message IEF344I.

## System programmer response

See the system programmer response for the MVS/DFP messages that follow this message. If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Resubmit the job.

## Source

Allocation



## Module

IEFAB42A, IEFAB431, IEFAB434, IEFAB490, and IEFAB492

## Routing code

11

## Descriptor code

6

---

|                |   |
|----------------|---|
| <b>IEF345I</b> | <b><i>jobname [procstep] stepname - ddname [+ xxx] ALLOCATION FAILED<br/>DUE TO SCHEDULER JCL FACILITY ERROR.</i></b> |
|----------------|---|

---

## Explanation

The system cannot allocate the specified DD statement due to an unrecoverable error encountered by the Scheduler JCL Facility (SJF).

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

---

|                |  |
|----------------|--|
| <b>IEF347I</b> | <b><i>jobname [procstep] stepname - ddname [+ xxx] DEVICE - dev CANNOT<br/>BE ALLOCATED - IMPROPER AUTHORIZATION</i></b> |
|----------------|--|

---

## Explanation

You attempted to allocate a device to which you are not authorized.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### ***dev***

The device number.

## System action

The job fails because the allocation request cannot be satisfied.

## Programmer response

Request a device to which you are authorized or notify your security administrator.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

9,11

## Descriptor code

6

---

IEF348I

**AUTOSWITCH DEVICE *dddd* WILL NOT BE CONSIDERED FOR THIS  
ALLOCATION DUE TO AN I/O ERROR DURING ASSIGN PROCESSING**

## Explanation

The subject AutoSwitchable device experienced an I/O error during Assign processing, or the Assign did not complete within the allotted time. The device will not be considered further for the current job step or dynamic allocation.

In the message text:

### ***dddd***

The device number.

### System action

The system removes the subject device from any further allocation consideration for the remainder of the current job step or dynamic allocation.

### Operator response

Vary the subject device offline. Repeated instances of this message for the same device should be reported to Hardware Support.

### Source

MVS Allocation

### Module

IEFAB4FX

### Routing code

3

### Descriptor code

4

---

|         |  |
|---------|--|
| IEF350I | CHECKPOINT OF JOB <i>jobname</i> STEP <i>stepname.procstep</i> ABENDED <i>Sabn</i><br>REASON= <i>rrc</i> |
|---------|--|

### Explanation

A program in a job step issued a CHKPT macro to ask the system to write a checkpoint. An abnormal end occurred during the checkpoint processing.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step being checkpointed.

***procstep***

The procedure name.

***Sabn***

The abend code.

***rrc***

The reason code.

### System action

The system issues message IHJ001I. The system writes an SVC dump. The system returns control to the issuer of the CHKPT macro with a return code indicating that the checkpoint failed.

### Operator response

See the operator response for message IHJ001I.

## System programmer response

See the system programmer response for message IHJ001I.

## Source

Scheduler restart

## Module

IEFXBCHK

## Routing code

2,11

## Descriptor code

6

---

|                |  |
|----------------|--|
| <b>IEF351I</b> | <b>ASSIGN PROCESSING TIMED OUT FOR AUTOSWITCH DEVICE <i>dddd</i></b> |
|----------------|--|

## Explanation

The Assign processing for AutoSwitch device *dddd* failed.

In most cases, this message is issued when the Assign took longer than one (1) minute to complete. However, when this message is issued, Device Allocation will use a three (3) second timeout value for future Assign processing for device *dddd* when performing AVR (Automatic Volume Recognition) processing until an Assign command successfully completes. Assign processing for other cases will continue to use the one (1) minute timeout. Message IEFA176I will be issued when a successful Assign occurs.

If an Assign timeout error occurs two (2) consecutive times for the same device within the same Job Step during batch (JCL) allocation, that device will be ignored by Allocation for the remainder of the DD statements within that Job Step. However, for each dynamic allocation request, the device will remain eligible to that request until it receives two (2) consecutive Assign timeout errors.

This message is to be used primarily as a warning that there could be a potential hardware problem with the subject device *dddd*.

In the message text:

***dddd***

The AutoSwitch device that timed out.

## System action

The system processing continues. The system will use a three (3) second timeout value for Assign processing instead of one (1) minute in the cases described in the message explanation.

## Operator response

If this message is issued repeatedly for the same AutoSwitch device, notify your System Programmer.

## System programmer response

Determine why the subject AutoSwitch device is timing out. To do this, it may be necessary to contact your Customer Engineer (CE) after gathering any available Logrec data. Further analysis may be required by Tracing I/O to the subject device. If this message is issued repeatedly for the same AutoSwitch device, a VARY *dddd*, OFFLINE, FORCE command can be issued against the device to prevent it from being eligible to future allocations.

## Source

Allocation

## Module

IEFAB4FX

## Routing code

3

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IEF352I</b> | <b>ADDRESS SPACE UNAVAILABLE ASID=aaaa JOBNAME=jjjjjjj</b> |
|----------------|--|

---

## Explanation

When ending a batch job, started task, or TSO user, the initiator/terminator found that this address space had been used to provide services to other address spaces through space-switching PC routines. In order to maintain system integrity, the address space is ended and is marked as unavailable. This does not necessarily indicate an error in the program or in the initiator.

In the message text:

**aaaa**

The ASID of the address space that has been marked unavailable.

**jjjjjjj**

The name of the job or started task that was running in the address space.

## System action

The system ends the current job, started task, or TSO user normally. The address space is also ended and the address space identifier (ASID) is marked as unavailable. This ASID might be temporarily or permanently unavailable. If a batch job caused this situation to occur, the initiator in this address space will be ended and then automatically restarted in another address space.

## System programmer response

Determine which program established the outstanding space switch entries. If it is determined that no error exists, then no action needs to be taken. If an error does exist, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Note:** If batch jobs, started tasks, or TSO users that create unusable ASIDs end enough times, they will exhaust all available ASIDs and an IPL will be required. When IPLing is not an acceptable option, determine which programs caused the problems and fix them. Contact the IBM Support Center for information about fixing these programs.

For methods that prevent running out of ASIDs, see [z/OS MVS Programming: Extended Addressability Guide](#).

## Source

Initiator/terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

6

---

IEF353A

**INITIATOR TERMINATED DUE TO CROSS MEMORY BIND, RESTART  
INITIATOR**

## Explanation

When ending a batch job, the initiator/terminator found that this address space provided and did not remove cross memory access through ALESERV. In order to maintain system integrity, the address space is ended. However, the address space identifier (ASID) is not marked unavailable, and so can be reused. This message does not necessarily indicate an error in the program or in the initiator.

## System action

The system ends the current job normally. The initiator in this address space and the address space itself are also ended, but the ASID is not marked as unavailable.

## Operator response

Restart the initiator that ended.

## System programmer response

Determine which program established the outstanding cross memory access. If it is determined that no error exists, then no action needs to be taken. If an error does exist, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

11

---

IEF354I

**DISABLED DASD DEVICE *dev* NOT VARIED ONLINE**

## Explanation

Device *dev* is a disabled, permanently-resident DASD device. The device was not brought online because it presented a unit check indicating an intervention required status.

In the message text:

### ***dev***

The device number of the disabled DASD device.

## System action

The system continues processing; the device remains offline.

## Operator response

Have the system programmer enable the device and then vary the device online.

If the device is to be varied online, then ready the device.

## Source

Allocation/Unallocation

## Module

IEFAB473, IEFAB4FN

## Routing code

3

## Descriptor code

4

---

IEF355A

INITIATOR TERMINATED, RESTART INITIATOR

## Explanation

When ending a batch job, the initiator/terminator found that this address space had been used to provide services to other address space through space-switching PC routines. In order to maintain system integrity, the address space is ended and is marked as unavailable. This does not necessarily indicate an error in the program or in the initiator.

## System action

The system ends the current job normally. The initiator in this address space and the address space itself are also ended and the address space identifier (ASID) is marked as unavailable. The ASID might be temporarily or permanently unavailable.

## Operator response

Restart the initiator that ended.

## System programmer response

Determine which program established the outstanding space switch entries. If it is determined that no error exists, then no action needs to be taken. If an error does exist, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. **Guideline:** If batch jobs that create unusable ASIDs end enough times, they will exhaust all available ASIDs and an IPL will be required. When IPLing is not an acceptable option, determine which programs caused the problems and fix them. Contact the IBM Support Center for information about fixing these programs. For methods that prevent running out of ASIDs, see [z/OS MVS Programming: Extended Addressability Guide](#).

## Source

Initiator/terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

11

---

IEF356I

ADDRESS SPACE TERMINATED DUE TO CROSS MEMORY BIND

---

## Explanation

When ending a batch job, the initiator/terminator found that this address space provided and did not remove cross memory access through ALESERV. In order to maintain system integrity, the address space is ended. However, the address space can be reused immediately. This message does not necessarily indicate an error in the program or in the initiator.

## System action

The system ends the current job normally and the address space is ended. The initiator in this address space will be ended and then automatically restarted in possibly another address space.

## System programmer response

Determine which program caused the outstanding cross memory access. If it is determined that no error exists, then no action needs to be taken. If an error does exist, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Initiator/terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

6

---

IEF357I

*jobname[procstep] stepname ddname [xxx] ALLOCATION FAILED -  
UNABLE TO OBTAIN LIBRARY RECORD FOR LIBRARY library*

---

## Explanation

The allocation request failed because the system could not retrieve the record for the specified library from the tape configuration database.

In the message text:

### ***jobname***

The job name.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.



**ddname**

The name of the DD statement.

**xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**library**

The name of the library containing the device to be allocated.

**System action**

The system fails the allocation request and writes a SYS1.LOGREC error record.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYS1.LOGREC error record.

**Source**

Allocation/Unallocation

**Module**

IEFAB424

**Routing code**

11

**Descriptor code**

-

**IEF358I**

---

***jobname [procstep] stepname ddname(+xxx) - TP DEVICE dev NOT  
ALLOCATED, DEVICE DELETED FROM I/O CONFIGURATION.***

**Explanation**

The requested teleprocessing (TP) device is being deleted from the system I/O configuration.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**dev**

The device number.

## System action

The system ends the job.

## System programmer response

If the error recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Ensure that the teleprocessing device is correctly specified in the UNIT parameter and is currently defined in the system configuration.

## Source

Allocation

## Module

IEFAB425

## Routing code

11

## Descriptor code

-

---

**IEF359I**

**RESERVED OR BROKEN DASD DEVICE *dev* NOT VARIED ONLINE**

---

## Explanation

A VARY command to bring a direct access storage device (DASD) online failed because input/output (I/O) to the device either timed out or had a permanent I/O error. Possible causes are:

- When the VARY command was issued, a device RESERVE on the device was currently held by another system.
- The DASD is not accepting I/O requests and may be broken.

In the message text:

**dev**

The device number of the DASD.

## System action

The system does not bring the requested device online. The system continues processing.

## Operator response

To determine if the problem is that the DASD is reserved by another system, look for message IOS431I, which would identify a system holding a reserve on the device. If IOS431I is not issued or does not identify a system holding a reserve, enter the following command on all systems that share the device:

```
DISPLAY U, ,OFFLINE,dev,1
```

In the response, message IEE457I, look for an R in the STATUS field. If present, the device is reserved. Try the VARY command later when the device is no longer reserved.

If the device is not reserved, contact hardware support to determine why the device is not accepting I/O requests.

## Source

Allocation/unallocation

## Module

IEFAB473, IEFAB4FN, IEFAB4EO

## Routing code

\*

## Descriptor code

4

---

**IEF360I**

**RESTART NOT SUCCESSFUL FOR *jobname*: ERROR IN SAF**

## Explanation

During restart of a checkpointed job, an error in the resource access control facility (RACF).

In the message text:

### ***jobname***

The name of the job that the system could not restart.

## System action

The system stops restart of the job.

## System programmer response

If the error recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Scheduler restart

## Module

IEFXBTDS

## Routing code

2,11

## Descriptor code

6

---

**IEF361I**

***jobname [procstep] stepname* - UNABLE TO ALLOCATE/OPEN PRIVATE CATALOG OR ALLOCATE CVOL**

## Explanation

The system could not resolve volume and unit requirements for a cataloged data set because:

- The system could not allocate or open a required private catalog.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job. IEF368I or IEFA102I might also be issued.

## System programmer response

List the master catalog to obtain further information about the private catalog. If IEF368I or IEFA102I was also issued, it will contain additional information that can be used in determining the cause of the error.

## Source

Allocation

## Module

IEFAB4F5

## Routing code

11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEF362I</b> | <b><i>jobname [procstep] stepname</i> - UNABLE TO CLOSE/UNALLOCATE<br/>PRIVATE CATALOG OR UNALLOCATE CVOL</b> |
|----------------|---|

## Explanation

The system could not resolve volume and unit information for a cataloged data set because:

- The system could not deallocate or close a required private catalog.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job. IEF368I may also be issued.

## System programmer response

List the master catalog to obtain further information about the private catalog. If IEF368I was also issued, it will contain additional information that may be used in determining the cause of the error.

## Source

Allocation

## Module

IEFAB4F4

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IEF363I | <i>jobname [procstep] stepname</i> - INSUFFICIENT REAL OR VIRTUAL<br>STORAGE FOR PROCESSING CATALOGED DATA SET |
|---------|--|

## Explanation

During data set allocation, the system tried to retrieve volume and unit information for a cataloged data set. However, insufficient central or virtual storage was available to contain the retrieved information.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Resubmit the job.

## Source

Allocation

## Module

IEFAB469

## Routing code

11

## Descriptor code

-

---

IEF364I

*jobname [procstep] stepname* - PERMANENT I/O ERROR PROCESSING  
CATALOGED DATA SET

## Explanation

During data set allocation, an unrecoverable I/O error occurred when the system tried to retrieve volume and unit information from the catalog.

In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

## System action

The system ends the job.

## Operator response

Contact hardware support.

## Source

Allocation

## Module

IEFAB469

## Routing code

11

## Descriptor code

-

---

IEF365I

*jobname [procstep] stepname ddname[+ xxx]* - INVALID REFERENCE TO  
A GENERATION DATA GROUP NAME

## Explanation

A DD statement specified the name of a generation data group (GDG) in either VOL=REF=*dsname* or DCB=*dsname*.

In the message text:

### *jobname*

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Change the DD statement so that it does not specify the name of a GDG.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

**IEF366I**

***jobname [procstep] stepname ddname[+ xxx] - RELATIVE GENERATION  
NUMBER SPECIFIED FOR GDG CONTAINS SYNTAX ERROR***

**Explanation**

In a DD statement, the relative generation number specified for a generation data group (GDG) in the DSNAMES parameter contained a syntax error. One of the following guidelines was violated:

- The first character of a relative generation number must be +, -, or 0.
- A relative generation number prefaced with a + or - must be 1 or greater.
- A relative generation number cannot exceed 255.
- All characters of a relative generation number must be numeric (0-9).
- A relative generation number must be expressed in 1-3 numeric characters. It may be prefaced by a + or -, for example +101, -002, +4, -09, 000.

In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Correct the relative generation number. Resubmit the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

---

**IEF367I**

*jobname [procstep] stepname - I/O ERROR OBTAINING PATTERN DSCB*

**Explanation**

During data set allocation, an uncorrectable I/O error occurred when the system attempted to obtain a data set control block (DSCB).

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system ends the job.

**Operator response**

Contact hardware support.



## Source

Allocation

## Module

IEFAB458

## Routing code

11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEF368I</b> | <b><i>jobname [procstep] stepname - UNABLE TO function CATALOG - RETURN INFOrc CATALOG NAME: dsname</i></b> |
|----------------|---|

---

## Explanation

The system could not resolve volume and unit requirements for a cataloged data set because:

- The system could not allocate a required private catalog.
- The system could not open a required private catalog.
- The system could not close a required private catalog.
- The system could not deallocate a required private catalog.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***function***

Either OPEN, CLOSE, ALLOCATE, or UNALLOCATE, indicating the function that failed.

### ***rc***

Return information indicating the failure. The information is dependent on the function. For the ALLOCATE or UNALLOCATE functions, *rc* will contain information returned in the S99RSC field of the S99RB for the dynamic allocation or deallocation request. The first two bytes correspond to the S99ERROR code, and the second two bytes correspond to the S99INFO code. The possible values are documented in the MVS Authorized Assembler Services Guide under Requesting Dynamic Allocation Functions - Interpreting DYNALLOC Return Codes. For the OPEN and CLOSE functions, *rc* will contain diagnostic information that can be provided to IBM Support if further diagnosis is needed.

### ***dsname***

Name of the private catalog being processed.

## System action

The system ends the job or fails the dynamic allocation request. IEFA102I might also be issued.

## Programmer response

Use the *dsname*, *function*, and *rc* information to determine the cause of the error and to correct the problem. If IEFA102I was also issued, it might contain additional information that can be used in determining the error. It

might be necessary to contact the system programmer for further diagnosis or to correct the problem. When the problem has been corrected, resubmit the failing job.

## Source

Allocation

## Module

IEFAB4F4, IEFAB4F5

## Routing code

11

## Descriptor code

-

---

**IEF369D** *jobname,stepname* INVALID REPLY - MOUNT VOLUME OR REPLY 'NO'

## Explanation

During data set allocation, the operator replied incorrectly to message IEF455D. The only acceptable reply to that message is NO.

In the message text:

### *jobname*

The name of the job.

### *stepname*

The name of the job step.

## System action

The step waits for the volume to be mounted or a reply of NO.

## Operator response

Either mount the volume requested in message IEF455D or reply NO to this message.

## Source

Allocation

## Module

IEFAB496

## Routing code

3/4

## Descriptor code

2,6

---

**IEF371I** - *jobname [procstep] stepname ddname [+ xxx]* - TELECOMMUNICATION  
DEVICE NOT ACCESSIBLE

## Explanation

A DD statement requested a telecommunication device for which one of the following is true:

1. No path is available to the system. The device was requested either:
  - explicitly, for example in a UNIT=020 parameter
  - by line group, for example, UNIT=(TERMX=n) and one of the first devices in the group was not available.
2. The device requested is an OSA (open systems adapter) device that is currently offline to the system.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### **+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Ask the operator to enter VARY commands to make sure that the necessary devices are accessible. Rerun the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF372I

***jobname [procstep] stepname ddname[+ xxx] - VOLUME FIELD  
CONTAINS REFERENCE TO A DD NOT PREVIOUSLY RESOLVED***

## Explanation

In a DD statement the VOLUME parameter refers to a DD statement in a previous step. However, the previous step was not run because the condition test in its COND parameter was satisfied.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Include the same COND parameter in the EXEC statement of the step being referenced by *ddname* in the EXEC statement of the step containing DD statement *ddname*.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF373I**

**STEP/stepname/START yyyyddd.hhmm**

## Explanation

At step ending, system management facilities (SMF) issues this message to indicate the time and date that the step started.

In the message text:

***stepname***

The name of the job step.

***yyyyddd.hhmm***

The date and time given as the year (using the 4-digit year number, such as 1996 or 2150), and the day of the year (001-366), the hour (00-23), and the minute (00-59).

**Source**

System Management Facilities (SMF)

**Module**

IEFTB722

**Routing code**

11

**Descriptor code**

-

---

|                |  |
|----------------|--|
| <b>IEF374I</b> | <b>STEP/stepname/STOP yyyyddd.hhmm</b>                   |
|                | <b>CPU xxxx MIN xx.xx SECSRB xxxx MIN xx.xx SECREAL/</b> |
|                | <b>VIRT xxxxK SYS xxxxKEXT xxxxK SYS xxxxK</b>           |

**Explanation**

At step ending, system management facilities (SMF) issues this message to give information about the step.

In the message text:

**yyyyddd.hhmm**

The date and time given as the year (using the 4-digit year number, such as 1996 or 2150), and the day of the year (001-366), the hour (00-23), and the minute (00-59).

**CPU xxxx MIN xx.xx SEC**

For processor time, which includes enclave time, preemptive class SRB time, client SRB time, and normalized IFA service time, xxxx MIN specifies the minute and xx.xx SEC specifies the second (in seconds and hundredths of a second).

**SRB xxxx MIN xx.xx SEC**

For system request time, xxxx MIN specifies the minute and xx.xx SEC specifies the second (in seconds and hundredths of a second).

**stepname**

The name of the job step.

**REAL/VIRT xxxxK SYS xxxxK**

REAL/VIRT xxxxK indicates the maximum kilobytes of storage (high-water mark) that a step used from the user region of the private area. SYS xxxxK indicates the maximum kilobytes of storage (high-water mark) that the address space used from the following areas: LSQA, SWA, and high private area. The word REAL appears if ADDRSPC=REAL was specified; otherwise, VIRT appears.

**EXT xxxxK SYS xxxxK**

EXT xxxxK indicates the maximum kilobytes of storage (high-water mark) that a step used from the user region of the extended private area. SYS xxxxK indicates the maximum kilobytes of storage (high-water mark) that the address space used from the following areas: extended LSQA, extended SWA, and extended high private area.

**Source**

System Management Facilities (SMF)

**Module**

IEFTB722

## Routing code

11

## Descriptor code

-

---

**IEF375I**

**JOB/*jobname*/START *yyyyddd.hhmm***

## Explanation

At job ending, system management facilities (SMF) issues this message to indicate the time and date that the job started.

In the message text:

### ***jobname***

The name of the job.

### ***yyyyddd.hhmm***

The date and time given as the year (using the 4-digit year number, such as 1996 or 2150), and the day of the year (001-366), the hour (00-23), and the minute (00-59).

## Source

System Management Facilities (SMF)

## Module

IEFTB722

## Routing code

11

## Descriptor code

-

---

**IEF376I**

**JOB/*jobname*/STOP *yyyyddd.hhmm* CPU *xxxx* MIN *xx.xx* SEC SRB *xxxx*  
MIN *xx.xx* SEC**

## Explanation

At job termination for system management facilities (SMF), this message indicates the time and date that a job ended and the job problem program CPU and SRB time.

In the message text:

### ***jobname***

The name of the job.

### ***yyyyddd.hhmm***

The date and time given as the year (using the 4-digit year number, such as 1996 or 2150), and the day of the year (001-366), the hour (00-23), and the minute (00-59).

### **CPU *xxxx* MIN *xx.xx* SEC**

For processor time, which includes enclave time, preemptive class SRB time, client SRB time, and normalized IFA service time, *xxxx* MIN specifies the minute and *xx.xx* SEC specifies the second (in seconds and hundredths of a second).

**SRB xxxx MIN xx.xx SEC**

For system request time, xxxx MIN specifies the minute and xx.xx SEC specifies the second (in seconds and hundredths of a second).

**Source**

System Management Facilities (SMF)

**Module**

IEFTB722

**Routing code**

11

**Descriptor code**

-

---

**IEF377I**

*jobname [procstep] stepname dsname NOT disp w*

**Explanation**

One of the following conditions occurred during data set disposition processing of a batch unallocated data set:

- Inability to catalog a new data set for which a disposition of CATLG was specified.
- Inability to catalog an old uncataloged data set for which a disposition of CATLG was specified.
- Inability to recatalog an old cataloged data set for which the volume list was extended and a disposition of CATLG, KEEP or PASS was specified.
- Inability to roll a storage management subsystem (SMS)-managed generation data set (GDS) into the generation data group (GDG) base.
- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old SMS-managed data set, including when the SMS subsystem is not available.
- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old VSAM data set, including when the SMS subsystem is not available.
- Inability to delete a cataloged data set, for example, when the data set's expiration date has not occurred yet.

This message is only issued if one of the following conditions is true:

- The system installation default was set requesting that this message be issued if any of these conditions occurred.
- MSGLEVEL=(,1) is specified on the JOB statement.
- The JES installation default, specified at initialization, sets the message level to MSGLEVEL=(,1).
- The job abnormally ends.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***dsname***

The name of the data set that could not be (re)cataloged.

**disp**

One of the following:

- CATLGD if an attempt was made to catalog a new or uncataloged data set.
- RECATLGD if an attempt was made to recatalog a cataloged data set.
- DELETED if an attempt was made to delete a data set.

**w**

The reason the data set was not cataloged, recataloged, or deleted. See message “IEF287I” on page 187 for an explanation of the values for *w*. When the disposition is DELETE, the reason code corresponds to the reasons listed for message “IEF283I” on page 180.

**System action**

If the installation option to end all jobs for which one of the conditions described was chosen, the system ends the job. Otherwise, the system continues processing unless this message was issued by an abend.

**Note:**

1. The setting of the condition code has not been affected.
2. The job is NOT abended, unless the step which encountered the error had itself already abended. “Terminated” means simply that subsequent steps will not be executed.
3. The “normal” disposition for data sets is taken, unless the step which encountered the error had itself already abended, in which case the “abnormal” (or “conditional”) disposition is taken.

**Operator response**

Notify the system programmer.

**System programmer response**

Determine and correct the error. Determine if the job should be resubmitted.

**Source**

Allocation

**Module**

IEFAB4A2

**Routing code**

2

**Descriptor code**

6

---

**IEF378I**

*jobname [procstep] stepname* - JOB FAILED [ - TIME= *hh.mm.ss*]  
**CATALOG DISPOSITION ERROR**

**Explanation**

The system installation default was set requesting that the job be ended if one of the following conditions occurred during data set disposition processing of a batch unallocation data set:

- Inability to catalog a new data set for which a disposition of CATLG was specified.
- Inability to catalog an old uncataloged data set for which a disposition of CATLG was specified.



- Inability to recatalog an old cataloged data set for which the volume list was extended and a disposition of CATLG, KEEP or PASS was specified.
- Inability to roll a storage management subsystem (SMS)-managed generation data set (GDS) into the generation data group (GDG) base.
- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old SMS-managed data set, including when the SMS subsystem is not available.
- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old VSAM data set, including when the SMS subsystem is not available.

This message is routed to any console that issued a MONITOR JOBNAMES command. If the T operand was specified in the command, the time appears in the message.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***hh.mm.ss***

The time, given as the hour (00-23), the minute (00-59), and the second (00-59).

## System action

The job will be terminated at the end of the step which encountered this error.

### Note:

1. The setting of the condition code has not been affected.
2. The job is NOT abended, unless the step which encountered the error had itself already abended. "Terminated" means simply that subsequent steps will not be executed.
3. The "normal" disposition for data sets is taken, unless the step which encountered the error had itself already abended, in which case the "abnormal" (or "conditional") disposition is taken.

## Source

Allocation

## Module

IEFBB410

**IEF379I**

***jobname [procstep] stepname - JOB ENDED BECAUSE OF CATALOG ERROR***

## Explanation

The system installation default was set requesting that the job be ended if one of the following conditions was encountered during data set disposition processing of a batch unallocated data set:

- Inability to catalog a new data set for which a disposition of CATLG was specified.
- Inability to catalog an old uncataloged data set for which a disposition of CATLG was specified.
- Inability to recatalog an cataloged data set for which the volume list was extended and a disposition of CATLG, KEEP or PASS was specified.
- Inability to roll a storage management subsystem (SMS)-managed generation data set (GDS) into the generation data group (GDG) base.

- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old SMS-managed data set, including when the SMS subsystem is not available.
- Inability to CATLG, UNCATLG, KEEP, PASS or DELETE a new or old VSAM data set, including when the SMS subsystem is not available.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

## System action

The job will be ended at the end of the step which encountered this error.

## Programmer response

Determine and correct the error. Determine if the job should be resubmitted.

## Source

Allocation

## Module

IEFBB410

**IEF380I**

***jobname [procstep] stepname ddname [+ xxx] - VOLUME COUNT FOR DD  
EXCEEDED: SPECIFIC-xxx NON-SPECIFIC-yyy***

## Explanation

A virtual storage access method (VSAM) data set managed by storage management subsystem (SMS) requested the specified number of specific and non-specific (candidate) volumes. The total number of volumes requested, which includes the volumes for both the index and data components, exceeded the maximum of 59 volumes allowed for an SMS-managed data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the procedure.

***stepname***

The name of the job step.

***ddname***

The first DD statement in the concatenated group.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system reduces the non-specific volume count for the data set so that the number of specific and non-specific volumes is equal to 59. The system continues processing.

## Programmer response

If necessary, change the program so that fewer volumes are required.

## Source

## Allocation/Unallocation

## Module

IEFAB464

## Routing code

11

### Descriptor code

—

```
IEF381I          DEVICE dev HAS NO UNIT NAME, DEVICE TYPE IS 'dddddddd'X
```

### Explanation

The device type was not defined to the system, therefore a unit name could not be found to build the entity name for the installed security product.

In the message text:

***dev***

The specified device number.

***ddddddddd***

The specified device type.

### System action

The system used a unit name of '00000000' and continues processing.

## System programmer response

Verify that the device is properly defined to the system.

## Programmer response

Provide the job log to the system programmer.

## Source

## Allocation

## Routing code

—

## Descriptor code

-

---

IEF382A

*jobname* WTR WAIT DUE TO PAUSE

---

## Explanation

In response to a MODIFY command with a PAUSE=DATASET parameter, the external writer is waiting before starting to write a SYSOUT data set.

The previous data set or messages are completed; that is, all lines or cards have been printed or punched and completely checked.

In the message text:

***jobname***

The jobname assigned to the external writer that is waiting.

## Operator response

Perform any desired actions on device *dev*; then enter REPLY xx,'y' where y is any single character. This reply causes the writer to begin processing the data set.

## Source

JES2

## Routing code

2,7

## Descriptor code

2

---

IEF383A

*jobname* WTR, CHANGE FORM TO *nnnn*

---

## Explanation

The external writer is waiting for the operator to change the forms on the device. In the message text:

***jobname***

The jobname assigned to the external writer that is waiting.

***nnnn***

The form number of the forms to be used on the device.

This message appears only when a data set to be printed or punched needs forms different from the forms used for the data set just printed or punched by the external writer.

The previous data set or messages are completed; that is, all lines have been printed or punched and completely checked.

## Operator response

Change the forms to form number *nnnn*; then enter REPLY xx,'y' where y is any single character. This reply causes the writer to begin processing the data set.

## Source

JES2

## Routing code

7

## Descriptor code

2

IEF384I

*jobname [procstep] stepname ddname* - WARNING: VOLUME NOT  
RETRIEVED FROM CATALOG

## Explanation

A request was made, either via JCL or by a dynamic allocation request, to uncatalog a data set. However, the data set information was not retrieved from the catalog. This will most likely because the volume information was provided on the DD via a VOLUME=SER or VOLUME=REF parameter. This can also occur for a new data set, which will not yet have volume information in the catalog. This identifies a potential error, because it is possible that the data set in the catalog was not the same data set that was actually allocated by the job.

This message is issued to the job log only when the installation requests it via the ALLOCxx parmlib setting SYSTEM VERIFY\_UNCAT(MSGTRACK). This message is issued both to the job log as well as a hardcopy-only WTO when the installation requests it via the ALLOCxx parmlib setting SYSTEM VERIFY\_UNCAT(LOGTRACK).

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

## System action

The data set is uncataloged. System processing continues.

## Operator response

None.

## System programmer response

The allocation request should be corrected to avoid the warning. This is dependent on what the allocation request is attempting to accomplish, but potential solutions include:

- Change the disposition of the data set from UNCATLG to another disposition, such as DELETE.
- Remove the VOLUME=SER or VOLUME=REF from the allocation request.
- Use IDCAMS or another utility to uncatalog the data set instead of using JCL.

## Source

Allocation

## Module

IEFAB4A2

Routing code

Note 13 / Note 36

Descriptor code

7 / N/A

```
IEF386I      hh.mm.ss DISPLAY PPT
              [No Values Matching: mtchname]
              [
                {No Parmlib Values}
                {Parmlib Values}
                {Parmlib Values Matching: mtchname}
                PgmName NC NS PR ST ND BP Key 2P 1P NP NH CP
                entrynam  x x x x x x k x x x x x
              ]
              [
                {No Default Values}
                {Default Values}
                {Default Values Matching: mtchname}
                PgmName NC NS PR ST ND BP Key 2P 1P NP NH CP
                entrynam  x x x x x x k x x x x x
              ]
              [
                Reference
                Synonym ---Meaning-----
                SCHEDxx keyword-----
                NC  Non-cancelable          NOCANCEL
                NS  Non-swappable           NOSWAP
                PR  Privileged              PRIV
                ST  System task             SYST
                ND  No dataset integrity     NODSI
                BP  Bypass password protection  NOPASS
                Key PSW key for this program  KEY(x)
                2P  Second level preferred storage  SPREF
                1P  First level preferred storage  LPREF
                NP  No preferred storage         NOPREF
                NH  No honor IEFUSI region settings  NOHONORIEFUSIREGION
                CP  Critical paging             CRITICALPAGING
              ]
```

Explanation

This message is in response to the DISPLAY PPT command.

In the message text:

- hh.mm.ss**  
The time that this response to the DISPLAY PPT command was issued.
- mtchname**  
The name specified on the command that requests the output to include only entries that match this name.
- entrynam**  
The program name for the PPT entry.
- x**  
The setting for the option. "Y" is displayed if the option is set. "." is displayed if the option is not set.
- k**  
A hexadecimal key value.

**System action**

None.

**Operator response**

None.

**System programmer response**

None.

**Source**

Initiator

**Module**

IEFDPPT

**Routing code**

The message is routed back to the consoles that initiated the associated requests.

**Descriptor code**

5, 8, 9

---

**IEF387I****ADDRESS SPACE TERMINATED DUE TO EDT LATCH BIND****Explanation**

When ending a batch job or started task, the initiator/terminator found that this address space did not properly release outstanding binds on the Eligible Device Table (EDT). The address space is ended in order to cause the outstanding binds to be released. The address space is eligible to be reused. This message does not necessarily indicate an error in the program or in the initiator.

**System action**

The system ends the current job normally and the address space is ended. For an initiator address space, the initiator will be ended and then automatically restarted.

**System programmer response**

The condition identified by this message may be the result of a prior ABEND or other error in Device Allocation processing. No action needs to be taken. However, if a prior error or ABEND occurred, see the appropriate response for that error.

**Source**

Initiator/ Terminator

**Module**

IEFSD166

**Routing code**

2,11

## Descriptor code

6

---

IEF388A

ADDRESS SPACE TERMINATED DUE TO EDT LATCH BIND, RESTART  
INITIATOR

## Explanation

When ending a batch job, the initiator/terminator found that this address space did not properly release outstanding binds on the Eligible Device Table (EDT). The initiator is ended in order to cause the outstanding binds to be released. The address space is eligible to be reused. This message does not necessarily indicate an error in the program or in the initiator.

## System action

The system ends the current job normally and the initiator will be ended.

## Operator response

Restart the initiator.

## System programmer response

The condition identified by this message may be the result of a prior ABEND or other error in Device Allocation processing. No action needs to be taken. However, if a prior error or ABEND occurred, see the appropriate response for that error.

## Source

Initiator/ Terminator

## Module

IEFSD166

## Routing code

2,11

## Descriptor code

11

---

IEF391I

*jobname stepname procname ddname +relpos* UNABLE TO ALLOCATE - A  
TAPE ALLOCATION SUBSYSTEM ELIMINATED ELIGIBLE DEVICES

## Explanation

The system cannot allocate tape devices because a tape allocation subsystem eliminated **all** eligible devices from consideration.

In the message text:

### ***jobname***

The name of job that failed.

### ***stepname***

The stepname.

### ***procname***

The procedure name.



**ddname**

The name of the DD statement or dynamic allocation request.

**relpos**

The position of a concatenated DD statement relative to the first DD in the concatenated group.

**System action**

The system fails the job step or dynamic allocation request.

**System programmer response**

Determine which subsystem is causing the problem. Contact the appropriate tape subsystem vendor or service personnel.

**User response**

Notify the system programmer.

**Source**

Allocation

**Module**

IEFAB482

**Routing code**

11

**Descriptor code**

6

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|         |   |
|---------|---|
| IEF396I | ERROR DETECTED BY THE INITIATOR, SYMPTOM CODES =<br>xx,yyyy,zzzzzzzz. |
|---------|---|

**Explanation**

The system detected an unexpected error.

In the message text:

**xx**

The functional area:

| Value | Meaning |
|-------|---------|
|-------|---------|

|   |          |
|---|----------|
| 1 | APPC/MVS |
|---|----------|

**yyyy**

The reason code:

| Value | Meaning |
|-------|---------|
|-------|---------|

|   |                      |
|---|----------------------|
| 1 | Job flush requested. |
|---|----------------------|

**zzzzzzzz**

The return code or address. The return code is:

| Value | Meaning |
|-------|---------|
|-------|---------|

4

APPC/MVS ended an asynchronous request that was outstanding. An application program contained a logic error.

### System action

The system ends the job.

### Operator response

Determine which program caused the error. If it was an IBM program that ended with this message, notify the system programmer.

### System programmer response

If it was an IBM program that ended with this message, contact the IBM Support Center.

### Programmer response

Determine what caused the asynchronous request to be outstanding.

### Source

Initiator/Terminator

|                |  |
|----------------|--|
| <b>IEF402I</b> | <b>{<i>jobname cm  stc_procname.identifier</i>} FAILED IN ADDRESS SPACE <i>asid</i><br/>SYSTEM ABEND <i>Scde</i> - REASON CODE <i>rc</i></b> |
|----------------|--|

### Explanation

The system abnormally ended the address space. The message text includes job name *jobname*, if available; otherwise the message text includes *cm*.

In the message text:

***jobname***

The name of the job.

If the job name is not available and the START, MOUNT, or LOGON command was entered, then this field will appear as START, MOUNT, or LOGON. If the entered command cannot be determined, this field will appear as COMMAND. If the message is related to a started task, the field will be the *stc\_procname.identifier*.

***cm***

The command.

***stc\_procname.identifier***

The STC procname and identifier.

***asid***

The address space identifier.

***cde***

The abend code.

***rc***

The reason code.

### System action

The system abnormally ends the address space and the job or command.

## Operator response

If a START or MOUNT command failed, reissue the command.

## Programmer response

See [z/OS MVS System Codes](#) for an explanation of *Scde*; then correct the error and resubmit the job.

## Source

Initiator/terminator

## Module

IEFIRECM

## Routing code

2

## Descriptor code

4,6

---

**IEF403I** *jobname-STARTED [-TIME=hh.mm.ss]*

## Explanation

In response to a MONITOR JOBNAMES command, the system has begun processing a job.

In the message text:

### ***jobname***

The name of the job being processed.

### ***hh.mm.ss***

The time, given as the hour (00-23), the minute (00-59), and the second (00-59). The time, if specified, does not necessarily correspond to any time accounting time stamp.

## Operator response

None. However, if the job should not be run at this time, enter a CANCEL command to cancel the job.

## Source

Allocation

## Module

IEFB401

## Routing code

Note 7

## Descriptor code

6

---

**IEF404I** *jobname-ENDED [-TIME=hh.mm.ss]*

## Explanation

In response to a MONITOR JOBNAMES command, a job has ended.

**Note:** This message will not be issued for X'n22' ABEND codes. However, in its absence, IEF450I will always be provided for an ABENDING Task/Job.

In the message text:

***jobname***

The name of the job being processed.

***hh.mm.ss***

The time, given as the hour (00-23), the minute (00-59), and the second (00-59). The time, if specified, does not necessarily correspond to any time accounting time stamp.

## System action

The system ends the job.

## Source

Allocation

## Module

IEFBB410

## Routing code

Note 7

## Descriptor code

6

---

|         |   |
|---------|---|
| IEF405I | <i>jjobname .procstep. stepname ddname dsname</i> WARNING: 2-DIGIT<br>EXPDT |
|---------|---|

## Explanation

A dynamic allocation request specified a 2-digit year (yyddd) on the expiration date text unit (DALEXPDT), and 2DGT\_EXPDT POLICY(WARN) is specified in the current ALLOCxx parmlib member. The data set is allocated. However, the system assumes the year to be 19yy.

In the message text:

***jjobname***

The name of the job being processed.

***procstep***

The name of the step in the procedure. For started tasks, *procstep* will not appear.

***stepname***

The name of the job step.

***ddname***

The ddname used in the allocation.

***dsname***

The data set name being allocated.

## System action

The system allocates the data set using the specified 2-digit year expiration date.

**Operator response**

Notify the system programmer.

**System programmer response**

Notify the application programmer who is responsible for the failed Dynamic Allocation.

**Programmer response**

Change the dynamic allocation request to use the 4-digit year format (yyyyddd) on the expiration date text unit DALEXPDT.

**Source**

Dynamic allocation

**Module**

IEFDB414

**Routing code**

2,11

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IEF406I</b> | <b><i>jjobname .procstep. stepname ddname dsname APPLICATION FAILED:<br/>2-DIGIT EXPDT</i></b> |
|----------------|--|

**Explanation**

A dynamic allocation request specified a 2-digit year (yyddd) on the expiration date text unit (DALEXPDT), and 2DGT\_EXPDT POLICY(FAIL) is specified in the current ALLOCxx parmlib member. The data set is not allocated.

In the message text:

***jjobname***  
The name of the job being processed.

***procstep***  
The name of the step in the procedure. For started tasks, *procstep* will not appear.

***stepname***  
The name of the job step.

***ddname***  
The ddname used in the allocation.

***dsname***  
The data set name being allocated.

**System action**

The system does not allocate the data set.

**Operator response**

Notify the system programmer.

## System programmer response

Notify the application programmer who is responsible for the failed Dynamic Allocation.

## Programmer response

Change the failed dynamic allocation request to use the 4-digit year format (yyyyddd) on the expiration date text unit DALEXPDT.

## Source

Dynamic allocation

## Module

IEFDB414

## Routing code

2,11

## Descriptor code

4

---

IEF414I

*dev* UNIT NOT AVAILABLE - UNLOAD ATTEMPTED

## Explanation

The operator entered an UNLOAD command for a unit which was online, unallocated, and not ready.

### *dev*

The device number for the unit.

## System action

The system tries to unload the unit. If the unit is a virtual device, the system tries to synchronize the status of the unit control block (UCB) with the mass storage control (MSC) tables. The system might issue warning messages because the device is not ready. The system issues message IEF234E.

## Operator response

If the unit is not unloaded, attempt to ready the unit and enter the UNLOAD command again. If the unit cannot be unloaded, contact the system programmer.

## System programmer response

See the system programmer response for [“IEF234E” on page 148](#).

## Source

Allocation

## Module

IEFAB429

## Routing code

\*

## Descriptor code

5

---

IEF415I

*dev* NOT UNLOADED - NO LONGER PENDING UNLOAD

## Explanation

The operator entered an UNLOAD command, but by the time the system attempted to unload the unit, it was no longer marked as having an unload request pending.

### *dev*

The device number for the unit.

## System action

The unit is not unloaded.

## Operator response

Most likely the unit was already unloaded by another process, such as another UNLOAD command, VARY processing, or job/step unallocation, and no other action is necessary. If the unit was not unloaded, ready the device and enter the UNLOAD command again.

## System programmer response

None.

## Source

Allocation

## Module

IEFAB429

## Routing code

\*

## Descriptor code

5

---

IEF420I

MVS DEFAULT MODE CONTROL FAILURE, DEVICE *dev* NOT ASSIGNED

## Explanation

Device assign processing for a tape device failed because I/O performed on behalf of a device service exit for the device was unsuccessful due to a hardware error. The device cannot be used. This message is followed by messages generated by the device service exit, which might include IEA441I.

## System action

The device is not assigned and is not usable.

## Operator response

Contact hardware support.

## Source

Assign/unassign

## Module

IEFAUSRV

---

**IEF428I****WARNING: 2-DIGIT EXPIRATION DATE USED**

---

## Explanation

A DD statement specified a 2-digit year (yyddd) on the expiration date parameter (EXPDT), and 2DGT\_EXPDT POLICY(WARN) is specified in the current ALLOCxx parmlib member. The data set is allocated. However, the system assumes the year to be 19yy. Message **IEF677I WARNING MESSAGE(S) for JOB jvjvjvj ISSUED** is issued to the joblog and to the MVS console.

## System action

The system allocates the data set using the specified 2-digit year expiration date.

## Operator response

Notify the System Programmer.

## System programmer response

Notify the application programmer who is responsible for the JCL that specified a 2-digit year expiration date.

## Programmer response

Change the JCL to use the 4-digit year format (yyyyddd) on the expiration date (EXPDT) parameter.

## Source

MVS Scheduler

## Module

IEFVDA

---

**IEF429I****ALLOCATION FAILED: 2-DIGIT EXPIRATION DATE USED IN THE EXPDT  
SUBPARAMETER OF THE LABEL FIELD**

---

## Explanation

A DD statement specified a 2-digit year (yyddd) on the expiration date parameter (EXPDT), and 2DGT\_EXPDT POLICY(FAIL) is specified in the current ALLOCxx parmlib member. and the 2DGT\_EXPDT parmlib policy of FAIL is in effect. The data set is not allocated.

## System action

The system does not allocate the data set. The job fails with the JCL error.



## Operator response

Notify the System Programmer.

## System programmer response

Notify the application programmer who is responsible for the JCL that specified a 2-digit year expiration date.

## Programmer response

Change the JCL to use the 4-digit year format (yyyyddd) on the expiration date (EXPDT) parameter.

## Source

MVS Scheduler

## Module

IEFVDA

---

**IEF430I** **RESTART STEP NOT FOUND FOR JOB *jobname***

## Explanation

During a deferred restart for a job, the system found a step name specified on the RESTART parameter of the JOB statement that could not be found either in the resubmitted JCL statements or in the specified cataloged procedure.

In the message text:

***jobname***

The job with the incorrect step name.

## System action

The system ends the restart for the job.

## Programmer response

Check the spelling of the step name specified on the RESTART parameter. Make sure the step name exists.

## Source

Interpreter

## Module

IEFVHH

## Routing code

2

## Descriptor code

4

---

**IEF431E** **ZERO QMPA POINTER FOUND. SWA MANAGER REASON CODE=3C**

## Explanation

While attempting to process an assign request, SWA Manager encountered a zero value as the pointer to the QMPA.

## System action

The task ends and the system may issue an abend 0B0 and write a dump.

## Operator response

Notify the application or system programmer.

## System programmer response

See Application Programmer Response and take appropriate action. If the error persists, search the Problem Reporting data bases for a fix. If no fix exists, contact the IBM Support Center.

## Programmer response

This message indicates that an error was found while attempting to assign a SWA block. The assign could not be completed due to the bad QMPA pointer. The reason code (X'3C') associated with this message is described along with the reason codes for an abend 0B0.

Refer to *z/OS MVS System Codes* under the System Completion code 0B0, reason code X'3C' for an explanation of how the QMPA pointer could contain a zero value. If an abend 0B0 was issued, review the dump for further diagnosis.

## Source

Scheduler Work Area (SWA) Manager

## Module

IEFQB551, IEFQB556

## Routing code

2,11

## Descriptor code

11

---

**IEF433D**

***jobname - WAIT REQUESTED -- REPLY 'HOLD' OR 'NOHOLD'***

## Explanation

During data set allocation, the operator requested that allocation for a job wait until the needed units or volumes are free. The system is waiting for the operator to respond, based on the following:

- For a batch job, the system can either:
  - Release the devices that have already been allocated to the job and cannot be shared with other jobs.
  - Leave the devices allocated until the job can be completely allocated.
- If the allocation is dynamic, the system can either:
  - Release only the devices requested by that particular SVC 99
  - Leave the devices allocated until the job's outstanding requests can be completely allocated.

- If no online devices are available, then pending offline devices may be allocated to satisfy the request.

In the message text:

***jobname***

The name of the job.

## System action

The system action depends on whether the operator responds with HOLD or NOHOLD. In either case, allocations to direct access devices are not released. If these allocations are for NEW data sets, the space those data sets are to occupy is already allocated but not used until all the devices needed by this job are available (that is, until the WAIT situation has been relieved).

- If the reply is HOLD, the system will not release any of the devices that have already been allocated to this job before it waits for the required units or volumes.

Be aware that using the HOLD reply might cause a deadlock situation, particularly when the device is being used by a job that is going to wait. The system does not release any non-sharable devices (that is, non-DASD) that have already been allocated to the job before it waits for required units and volumes. To avoid this problem, only one job in the system should use the HOLD option at a time.

Also Note that replying HOLD prevents any subsequent vary offline requests from completing successfully, until either the HOLD is satisfied (required devices become available) or the job is cancelled. Vary offline requests issued while HOLD is in effect and the device to be varied offline is placed in a pending offline condition. When the HOLD condition is relieved, the system completes vary offline processing normally.

When devices for a job are held during a wait, and a device that was eligible for allocation to the job becomes ineligible for allocation (because of its use by a system utility, for example), the job might fail because it does not have enough devices to complete successfully. Message IEF700I in the job log identifies this failure. Refer to message IEF700I for information on how to respond to this failure.

- If the reply is NOHOLD, the system will release those devices that have been allocated to this job, but that cannot be shared with other jobs.
- Regardless of whether the reply to this message is HOLD or NOHOLD, or if the message is left outstanding (not replied to), no other allocations, unallocations, OPENs, CLOSEs, Catalog LOCATEs, data set OBTAINs, or End-of-Volume (EOV or FEOV) processing will be able to take place within this address space until this message is replied to and the WAIT is fulfilled. This is because the address space's SYSZTIOT resource is held EXCLUSIVE by this allocation. This statement is true even if an unallocation would free up the device required by this allocation.

For an example of the HOLD versus NOHOLD options, assume that JOBA owns an automatically switchable device and is waiting for a printer. Assume also that JOBB owns the printer JOBA needs and is waiting for the automatically switchable device JOBA owns.

- If the reply is HOLD for each job, the two jobs will wait until one job is cancelled. This deadlock can be even more complex depending on the number of jobs waiting.
- If the reply is NOHOLD for each job, allocation responds on a first-come, first-served basis. After the first job finishes using a resource, it is available to the second.
- If the reply is NOHOLD for JOBA and HOLD for JOBB, the system will release the automatically switchable device that had been allocated to JOBA. This device is now available for JOBB. JOBA will wait until JOBB unallocates the printer.
- If the reply is NOHOLD for JOBB and HOLD for JOBA, the system will release the printer that had been allocated to JOBB. This device is now available for JOBA. JOBB will wait until JOBA unallocates the automatically switchable device.

## Operator response

Do one of the following:

- Reply xx,'HOLD' to have the system wait while holding the devices already allocated.

- Reply xx, 'NOHOLD' to have the system release the devices that are not shareable before it waits.

## System programmer response

If a manual response to this message is not desired, refer to [\*z/OS MVS Initialization and Tuning Reference\*](#) for information on how to use the ALLOCxx parmlib member to set a policy that will allow the system to automatically reply 'HOLD' or 'NOHOLD'.

## Source

Allocation

## Module

IEFAB487

## Routing code

2, 3/4/7

## Descriptor code

2

---

|         |  |
|---------|--|
| IEF434D | <i>jobname</i> - INVALID REPLY. REPLY 'HOLD' OR 'NOHOLD' |
|---------|--|

## Explanation

The operator's reply to message IEF433D was not valid.

In the message text:

***jobname***

The name of the job.

## System action

This system repeats this message until a valid reply is received. Then the system takes the action specified for message IEF433D.

## Operator response

Enter HOLD or NOHOLD as specified for message IEF433D.

## Source

Allocation

## Module

IEFAB487

## Routing code

3/4/7

## Descriptor code

2,6

**Explanation**

Either a user-written writer or the IBM-supplied writer subtask of the External Writer abnormally terminated; therefore, the External Writer was unable to print or punch the SYSOUT data set. In the message text, *jobname* is the jobname assigned to the external writer that terminated and *cde* is the completion code, in hexadecimal.

**System action**

The external writer ended.

**Operator response**

Enter another START XWTR command if anymore SYSOUT data sets are to be processed by the External Writer.

**Source**

JES2

**Routing code**

2

**Descriptor code**

4

**Explanation**

An incorrect keyword was specified on the AMP JCL parameter.

In the message text:

***keywd***

The keyword.

**System action**

The system ends the job and scans the remaining job control statements for the job for syntax errors.

**Programmer response**

Specify a valid keyword on the AMP JCL statement. Resubmit the job.

**Source**

Allocation

**Module**

IEFAB487

**Explanation**

The value specified for the AMP keyword was larger than the maximum value allowed.

In the message text:

***keywd***

The AMP keyword.

***val***

The value of the keyword.

### System action

The system ends the job and scans the remaining job control statements for the job for syntax errors.

### Programmer response

Specify a value that is less than or equal to the maximum value allowed. Resubmit the job.

### Source

Allocation

### Module

IEFAB487

---

|                |   |
|----------------|---|
| <b>IEF449I</b> | <b>AMP KEY WORD <i>keywd</i> REQUIRES A DECIMAL VALUE STEP NOT EXECUTED</b> |
|----------------|---|

### Explanation

The value specified for the AMP keyword was not a decimal value.

In the message text:

***keywd***

The AMP keyword.

### System action

The system ends the job and scans the remaining job control statements for the job for syntax errors.

### Programmer response

Specify a decimal value for the AMP keyword. Resubmit the job.

### Source

Allocation

### Module

IEFAB487

---

|                |   |
|----------------|---|
| <b>IEF450I</b> | <b><i>jobname [procstep] stepname</i> - ABEND {<i>Scde</i>   <i>Ucde</i>} REASON=xxxxxxx<br/>[<i>TIME=hh.mm.ss</i>]</b> |
|----------------|---|

### Explanation

A job step abnormally ended.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**Scde**

The system completion code. If a system completion code appears in the message text, the control program of the operating system ended the job step.

**Ucde**

The user completion code. If a user completion code appears in the message text, the user program ended the job step.

***xxxxxxxx***

The hexadecimal reason code. The reason code is meaningful only if the REASON keyword is coded on the ABEND macro instruction. A hex reason code of 4 could be the result of a partitioned data set or a VIO data set exceeding the one volume limit and exceeding a maximum of 65535 tracks. For additional information, see [z/OS DFSMS Using Data Sets](#).

***hh.mm.ss***

In response to a MONITOR JOBNAME,T command, the time appears as the hour (00-23), the minute (00-59), and the second (00-59).

**System action**

The system ends the job and issues message IEF472I to the SYSOUT data set.

**Source**

Allocation

**Module**

IEFBB410

**Routing code**

2

**Descriptor code**

6

---

**IEF451I** *jobname [procstep] stepname - ENDED BY CC cde[-TIME=hh.mm.ss]*

**Explanation**

A condition test specified in the COND parameter of a JOB statement was satisfied. This message is routed to any console that issued a MONITOR JOBNAME command.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**cde**

The 4-digit completion code.

**hh.mm.ss**

In response to a MONITOR JOBNAME,T command, the time appears as the hour (00-23), the minute (00-59), and the second (00-59).

**System action**

The job has failed because of condition codes.

**Source**

Allocation

**Module**

IEFBB410

**Routing code**

Note 7

**Descriptor code**

6

---

**IEF452I*****jobname - JOB NOT RUN - JCL ERROR [- TIME=hh.mm.ss]***

---

**Explanation**

The system detected an error in a JCL statement, or the job was cancelled while on the input queue.

In the message text:

***jobname***

The specified jobname.

***hh.mm.ss***

In response to a MONITOR JOBNAME,T command, this message gives the time, in hours (00-23), minutes (00-59), and seconds (00-59).

The error message appears in the SYSOUT data set.

This message is also issued if one of the following is true:

- Either message IEF099I or message IEF092I was issued and the operator cancelled the job while it was waiting. The message is routed to any console that entered a MONITOR command with JOBNAME in its operand.
- The job was a Time Sharing Option Extensions (TSO/E) foreground job, therefore, it could not wait for data sets.
- Message IEF173I was issued for a step other than the first step of the job.

**System action**

If the operator cancelled the job, all steps of the job, beginning with the step currently being processed, will be ended. Otherwise, the job will not be initiated; no steps will be processed.

**Operator response**

Check the job for errors.



## Source

Interpreter/Allocation

## Module

IEFBB401, IEFVHN

## Routing code

2,10

## Descriptor code

4

---

**IEF453I** *jobname - JOB FAILED - JCL ERROR [- TIME=hh.mm.ss]*

---

## Explanation

One of the following occurred:

- The system detected an error in a job control statement.
- A system error occurred during allocation.
- The system has been restarted after a system failure. The job was running when the failure occurred, but the job did not request a restart. In this case, this message accompanies abend X'2F3'.

**Note:** The message might be issued when the job ended after the abend of one of the job steps. In this case, there might be no error in the job control language.

This message is routed to any console that issued a MONITOR JOBNAMES command. If the T operand was specified in the command, the time appears in the message.

In the message text:

### ***jobname***

The name of the job.

### ***hh.mm.ss***

The time, given as the hour (00-23), the minute (00-59), and the second (00-59).

## System action

The system ends the job.

## System programmer response

If the JCL was correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Correct the JCL for the job, if it was incorrect. Run the job again.

## Source

Allocation

## Module

IEFBB410

## Routing code

Note 7

## Descriptor code

6

---

**IEF455D****MOUNT *ser* ON dev FOR *jobname stepname* OR REPLY 'NO'**

---

## Explanation

The system issued message IEF233D to request mounting of a volume. This message is issued by allocation for non-library dynamic allocations (that is, non-ATL, non-VTS) which do not specify DEFER. (For mounts with DEFER coded, see message IEC501A.)

**Note:** Message IEF455D is not issued for Automated tape library dataserwer volumes, including ATL and VTS.

Additionally, RMM or other Tape Management Systems may intercept this message to insert information into this message. Refer to [Defining mount and fetch messages: MNTMSG](#) in *z/OS DFSMSrmm Implementation and Customization Guide*.

In the message text:

***ser***

The volume serial.

***dev***

The device number.

***jobname***

The name of the job.

***stepname***

The name of the job step.

## System action

The job step waits for the volume to be mounted or for a reply of 'NO'. The system cannot run or end the job until the operator responds to this message or to message IEF233D. Note that while this message is outstanding (that is, has not yet been replied to) no other services which require the SYSZTIOT resource will be able to run in this address space. This includes, OPEN, CLOSE, EOVS, LOCATE, and DYNALLOC.

## Operator response

Mount the volume as instructed in message IEF233D or reply 'NO'. If you reply 'NO', the device is deallocated; however, system information still indicates that the volume is associated with the device. Both the volume and the device are available to the system, but you might want to take the following steps to unload the device and thus adjust the system information:

1. Enter the DISPLAY U command for device *dev* to see if there is a mount pending for the volume serial number.
2. If a mount is pending, enter the UNLOAD command for device *dev* to give the system the correct information.

## Source

Allocation

## Module

IEFAB495

**Routing code**

3/4

**Descriptor code**

2,6

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|                |   |
|----------------|---|
| <b>IEF456I</b> | <i>jobname [procstep] stepname</i> - <b>DEVICE ALLOCATION UNABLE TO ESTABLISH ESTAE ENVIRONMENT</b> |
|----------------|---|

**Explanation**

The system could not establish a recovery environment for either device allocation or unallocation processing.  
In the message text:

***jobname***  
The name of the job.

***procstep***  
The name of the step in the procedure.

***stepname***  
The name of the job step.

**System action**

The system ends the job.

**Programmer response**

Resubmit the job.

**Source**

Allocation

**Module**

IEFAB4F4, IEFAB4F5, IEFAB421, IEFAB451, IEFAB492, IEFBB401

**Routing code**

11

**Descriptor code**

-

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|                |   |
|----------------|---|
| <b>IEF458D</b> | <i>jobname stepname</i> <b>WAITING FOR DATASET. TO CANCEL WAIT REPLY 'NO'</b> |
|----------------|---|

**Explanation**

For authorized dynamic allocation, the system requires a data set that is in use by another job. Message IEF863I names the data set.  
In the message text:

***jobname***  
The name of the job.

**stepname**

The name of the job step.

**System action**

The job waits for the data set to become available or for a reply of NO.

**Operator response**

None. However, if you do not want the job to wait for the data set, reply NO.

**Source**

Allocation

**Module**

IEFGB4DC

**Routing code**

2

**Descriptor code**

6

**IEF462I**

***jobname [procstep] stepname ddname[+ xxx] - NO AVAILABLE OFFLINE  
DEVICES ELIGIBLE FOR ALLOCATION***

**Explanation**

No available offline devices were eligible for the allocation request. The system could not enter Recovery Allocation (message IEF238D) because there were no offline units within the specified UNIT that could be brought online.

Possible reasons for this error are that the allocation request specified an incorrect volume serial, or that the volume serial is valid but mounted on a device that is not within the specified UNIT name.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when a data set is used within a set of concatenated data sets. The first data set of a concatenation can be +000, but the value +000 is never shown.

**System action**

The system ends the job.

## Programmer response

Check the UNIT and VOLSER parameters to make sure that they are correct. If necessary, correct them. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

Note 36

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEF463I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - UNABLE TO ALLOCATE</i></b><br><b>SUBSYSTEM DATA SET</b> |
|----------------|---|

## Explanation

An error occurred while the system is processing a JCL DD.

Possible reasons include the following:

- A JES error occurred.
- The user requested a deferred checkpoint restart operation. The SYSOUT or SYSIN DD statement specified for the restart operation is different from the DD statement for the checkpoint. For example, DUMMY was specified on the DD statement for the restart operation, but not on the DD statement for the checkpoint.
- A DD statement specified the OUTPUT parameter, but the matching OUTPUT statement could not be found by the JES. This can occur when the OUTPUT parameter refers to the OUTPUT JCL statement using the \*.stepname.name syntax, and the stepname is not unique because it is used by multiple procedures in the job.
- Error within a subsystem.
- Possible shortage of CSA.
- A system error occurred.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when a data set is used within a set of concatenated data sets. The first data set of a concatenation can be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

- Check for CSA shortage and correct if necessary.
- If the error occurs due to a DD statement that contains an OUTPUT parameter, correct the reference in the JCL. This can be done by making all of the stepnames in the job unique, or by specifying the backwards reference as \*.stepname.procstepname.name.
- If none of these actions are applicable, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEF464I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - DEVICE IS BOXED - CANNOT BE ALLOCATED</i></b> |
|----------------|---|

## Explanation

The DD statement requested a specific device. The system could not allocate the device, because some earlier processing (hot I/O processing or VARY dev,OFFLINE,FORCE command processing, for example) boxed the device.

When a device is boxed, these events occur:

- I/O on the device ends.
- Any new I/O requests result in permanent I/O errors.
- No new allocations are done for the device.
- If the device was online, it is marked pending offline. The device goes offline when these conditions occur, in this order:
  1. The device is no longer allocated to any job.
  2. Allocation can get the necessary resources to process the request.

If the device was offline, it remains offline.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Resubmit the job when the device has been brought back online.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

**IEF465I**

***jobname [procstep] stepname* - UNABLE TO ALLOCATE SUBSYSTEM  
DATA SET**

**Explanation**

An error occurred while performing subsystem processing for SYSOUT or SUBSYS DDs. This error was not specific to any single DD. Possible reasons include the following:

- Possible shortage of CSA.
- A system error occurred.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system ends the job.

## System programmer response

Check for CSA shortage and correct if necessary. Otherwise, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

-

---

**IEF466I** *jobname [procstep] stepname ddname[+ xxx] - UNABLE TO RECOVER FROM DADSM FAILURE*

## Explanation

Several DD statements in a step requested scratch volumes. When the system attempted to do direct access device space management (DADSM) on the volume, an error occurred. The system attempted to unallocate data sets that had been allocated to the volume for previous DD statements in the step, so that a new volume could be tried. The unallocation attempt failed.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Resubmit the job.

## Source

Allocation



## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF467I

*jobname [procstep] stepname ddname[+ xxx] - UNITS REQUIRED NOT  
CURRENTLY AVAILABLE - WAITING NOT ALLOWED*

## Explanation

Another job is using the unit requested. The system does not allow waiting for the unit to become available. For example:

- For telecommunications lines.
- For Time Sharing Option Extensions (TSO/E) users at logon time.

If a step is trying to allocate more internal readers than the system defines, the system again does not allow waiting.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Try resubmitting the job or logging on again when the unit is available. If applicable, remove excess DD statements for internal readers.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF468I

*jobname [procstep] stepname* - INSUFFICIENT REAL OR VIRTUAL  
STORAGE FOR UNALLOCATION

## Explanation

During unallocation of a data set, the system could not obtain sufficient storage for processing.

In the message text:

### *jobname*

The name of the job.

### *procstep*

The name of the step in the procedure.

### *stepname*

The name of the job step.

## System action

The system ends the job.

## Programmer response

Check the SYSOUT listing to determine if any of the data sets created in the job should have been deleted but were not. If necessary, delete these data sets. Then, resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF469I

*jobname [procstep] stepname* DATA SETS HAVE NOT BEEN RELEASED

## Explanation

The system could not release data sets that were eligible to be released at the end of a step.

In the message text:

### *jobname*

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system releases the data sets at the end of the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

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**IEF470I** *jobname [procstep] stepname - UNALLOCATION FAILED***Explanation**

The system could not unallocate the data sets for a step.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system ends the job.

**Source**

Allocation

**Module**

IEEBB410

**Routing code**

11

**Descriptor code**

-

## Explanation

The volumes listed in the message are no longer required by the job, and need no longer be retained. This occurs when both of the following occurs:

- At the end of a step, there was a tape volume left mounted on a drive because of the RETAIN or Pass parameters specified and
- At the end of the job, the tape is no longer mounted (because the UCB for the drive on which the tape was left mounted no longer contains that volume serial number).

Some of the reasons that the tape might no longer be mounted at the end of the job include:

- The volume was dismounted when EOVS processing was performed for a data set on the same volume by a different step in this or another job. In this case, the system issues message IEC502E in the job log for the job.
- The system dismounted the volume because another step in this or another job needed the drive. The system issues message IEF234E for the job.

In some circumstances, the operator has previously received either message IEF234E to retain the volumes or IEC502E to retain or keep the volumes. The only volumes that are listed with IEF471E are volumes that have not appeared in a previous IEF234E message with a disposition of KEEP (IEF234E K) or DELETE (IEF234E D).

In the message text:

***jobname***

The name of the job.

***ser***

The volume serial number.

## System action

Processing continues.

## Operator response

Return any volumes listed in the message to the appropriate library or pool, if not already returned.

## Source

Allocation

## Module

IEFBB416

## Routing code

11

## Descriptor code

-

## Explanation

The step abnormally ended. The system issues the message to give the completion and reason codes.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***scde***

The system completion code.

***ucde***

The user completion code.

***xxxxxxx***

The reason code, which is meaningful only if the REASON keyword is coded on the ABEND macro.

## System action

The system abnormally ends the step. Disposition processing for the step uses the value for the conditional (abnormal) termination.

## Programmer response

If the system completion code is not zero, see [z/OS MVS System Codes](#) for the description of the code.

## Source

Allocation

## Module

IEFBB410

## Routing code

2

## Descriptor code

6

---

**IEF473I**

***jobname [procstep] stepname - ERROR ATTEMPTING TO SELECT  
OPTIMUM DEVICE FOR ALLOCATION OF ddname [+ xxx]***

## Explanation

The system could not select the optimum device for a step.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Resubmit the job.

**Source**

Allocation

**Module**

IEFAB436, IEFAB478, IEFAB489

**Routing code**

Note 36

**Descriptor code**

-

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**IEF474I** *jobname [procstep] stepname ddname[+ xxx] - UNIT OR VOLUME IN USE BY SYSTEM FUNCTION - CANNOT BE ALLOCATED*

**Explanation**

The system could not allocate the volume or unit requested because it was in use by a system function, such as OLTEP or a system utility.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Resubmit the job when the system function has completed.

## Source

Allocation

## Module

IEFAB425, IEFAB433, IEFAB441, IEFAB479, IEFAB482

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IEF475I | <i>jobname [procstep] stepname ddname[+ xxx] - VOL ON INELIGIBLE<br/>PERMRES OR RSVD UNIT</i> |
|---------|---|

## Explanation

A volume was requested that cannot be allocated. The volume is non-removable and is mounted on a device type that is not one of the devices eligible to the device type specified in the UNIT parameter. One possible reason for this error is that the dynamic allocation specified a valid volume serial number along with an invalid UNIT name.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Check the UNIT and VOLSER parameters to make sure that they are correct. If necessary, correct them. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF476I

*jobname [procstep] stepname ddname[+ xxx] - OVERLAPPING DATA  
SETS IN VTOC*

## Explanation

The system attempted to allocate the space requested. A previous allocation or deallocation was interrupted before the system updated the volume table of contents (VTOC). For this allocation, the system found two data sets allocated to the same space on the volume.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Scratch one of the two data sets that are allocated to the same space. Then, tell the application programmer to resubmit the job.

## Source

Allocation

## Module

IEFAB4FD



## Routing code

11

## Descriptor code

-

IEF477I

*jobname [procstep] stepname ddname[+ xxx] - OVERLAPPING DOS  
SPLIT CYLINDER DATA SETS IN VTOC*

## Explanation

The system attempted to allocate space on a volume. Space was previously allocated on the volume under the disk operating system (DOS). The system could not convert the volume table of contents (VTOC) to a standard format because a split cylinder data set was located on cylinder zero or on the same cylinder as a non-split cylinder data set.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Either scratch or move the split cylinder data set that is causing the error. Then, tell the application programmer to resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

## Explanation

The system attempted to allocate space on a volume. Updating of the volume table of contents (VTOC) on this volume had previously been interrupted. The system could not convert the VTOC to a standard format because of an installation modification to the system.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Analyze the VTOC to determine the severity of the VTOC error. Convert the VTOC by either removing the installation modification or resetting the DIRF bit to 0 and the DOS bit to 1 in the Format 4 DSCB and allocating a non-ISAM data set to the volume. Then, tell the application programmer to resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

## Explanation

The system attempted to allocate space on a volume. The updating of the volume table of contents (VTOC) on this volume had previously been interrupted. The system could not convert the VTOC because the data set being allocated was the second or subsequent volume of an ISAM PRIME data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Analyze the VTOC to determine the severity of the VTOC error. Convert the VTOC by resetting the DIRF bit to zero, setting the DOS bit to one in the Format 4 DSCB, and allocating a non-ISAM data set to the volume. Then, tell the application programmer to resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

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IEF480I

*jobname [procstep] stepname ddname[+ xxx] - INVALID DESTINATION  
REQUESTED*

## Explanation

The DEST parameter specified is incorrect.

In the message text:

***jobname***

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Correct the DEST= parameter and resubmit the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

**IEF481I**

***jobname [procstep] stepname ddname[+ xxx] - SAME UNIT REQUESTED  
TWICE - CONFLICTS EXIST***

**Explanation**

The same unit address was specified as another DD statement for the step. The request cannot be allocated for one of the following reasons:

- Different volume serial numbers are specified on each of the requests.
- A use attribute conflict exists:
  - One request is public and the other is private.
  - One request specifies a volume serial and the other is private and non-specific.
  - The address of a unit record device has been specified twice.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

For different volume serial numbers, do one of the following:

- Change the address in the UNIT parameter on one of the DD statements.
- Specify the same volume serial number on both DD statements.
- Specify UNIT=AFF in the second DD statement to request the same unit as the first DD statement for the unit.

If a use attribute conflict exists, either change the use attributes to avoid the conflict, or change one of the unit addresses.

If the address of a unit record device is specified twice, either change one of the unit addresses or, in the second DD requesting the unit, specify UNIT=AFF to the first DD requesting the unit.

Resubmit the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

---

**IEF482I** *jobname [procstep] stepname ddname[+ xxx] - PERMRES/RESRV*  
**VOLUME ON REQUIRED UNIT**

**Explanation**

The system cannot mount a volume requested because the unit address specified in the UNIT parameter contains a permanently resident or reserved volume.

In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Specify another unit address or request the volume that is mounted on the unit. Resubmit the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

IEF483I

*jobname [procstep] stepname ddname[+ xxx] - REQUESTED DEVICE IS A  
CONSOLE*

**Explanation**

The unit address specified is the address of an operator console.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Change the incorrect unit address. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

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|         |  |
|---------|--|
| IEF484I | <i>jobname [procstep] stepname ddname[+ xxx] - MORE UNITS REQUIRED FOR REQUEST</i> |
|---------|--|

## Explanation

The DD statement makes a specific unit request for more than one volume, but either:

- The first volume specified is permanently resident or reserved.
- One of the volumes specified needs a unit by itself because another DD statement in the step specifies that volume.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Change the JCL to request an esoteric or generic name for more than one unit instead of a specific unit request, or, if the volume is reserved and you do not wish it to be, ask the operator to unload it. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF485I

*jobname [procstep] stepname [ddname]* - VOLUMES REQUIRED NOT  
CURRENTLY AVAILABLE - WAITING NOT ALLOWED

## Explanation

One of the volumes requested in a DD statement is currently in use. Waiting is not allowed. An example of an instance when waiting is not allowed is for a Time Sharing Option Extensions (TSO/E) user at logon time.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement in relation to the first DD in the concatenated group.

## System action

The system ends the job.

## Programmer response

Resubmit the job or log on again when the volume is available.

## Source

Allocation

## Module

IEFAB421, IEFAB4FJ

## Routing code

11/Note 36

## Descriptor code

-



---

**IEF488I*****jobname - ddname +nnn MUST WAIT FOR [UNIT dev|VOLUME ser ON UNIT dev]***

## Explanation

A DD statement specifically requested a unit or volume. The unit/volume requested is currently allocated to another job and is not shareable with this job. For the allocation to recover from this situation, it must wait for a unit to be unallocated.

The system issues this message when a job must wait for a specific volume or device and:

- either SPEC\_WAIT POLICY (WTOR) is specified in the ALLOCxx member of the parmlib data set.
- or IEF\_SPEC\_WAIT (the Specific Waits Installation Exit) requests that a WTOR be issued.

In the message text:

### ***jobname***

The name of the job.

### ***ddname***

The name of the DD statement.

### ***+nnn***

The relative position of a concatenated DD statement in relation to the first DD in the concatenated group.

### ***dev***

The device number of the unit.

### ***ser***

The volume serial.

## System action

The system repeats this message for each DD statement requiring a specific unit or volume that is allocated and not shareable. The last of these messages will be followed by message IEF238D, requesting that the operator decide if the allocation should wait for the devices to be released or if the job should be cancelled.

## Operator response

Respond to message IEF238D when it is issued.

## Source

Allocation

## Module

IEFAB487

## Routing code

2,3/4/7

## Descriptor code

6

---

**IEF490I*****jobname - INVALID REPLY. [text]***

## Explanation

*text* is one of the following:

- DEVICE IS NOT ACCESSIBLE.
- REQUIRED SYSTEM MANAGED VOLUME *ser* IS NOT AVAILABLE.
- REQUIRED VOLUME *ser* IS NOT AVAILABLE.
- REPLIED DEVICE IS NOT ELIGIBLE.
- DEVICE *dev* COULD NOT BE FOUND IN THE CONFIGURATION.
- DEVICE *dev* FOUND IN AN OFFLINE LIBRARY.

The operator's response to message IEF238D is incorrect.

In the message text:

***jobname***

The name of the job.

**DEVICE IS NOT ACCESSIBLE.**

The device cannot be brought online for one of the following reasons:

- There is no path available by which the system can gain access to the device.
- The device is boxed.
- The device cannot be assigned.

**REQUIRED SYSTEM MANAGED VOLUME *ser* IS NOT AVAILABLE.**

A volume managed by the Storage Management Subsystem (SMS) is required, but none of the devices brought online contains an SMS-managed volume.

***ser***

The volume serial number.

**REQUIRED VOLUME *ser* IS NOT AVAILABLE.**

None of the devices brought online contains the required volume, or the device being brought online is managed by the Storage Management Subsystem (SMS), but a non-SMS-managed volume is required.

**REPLIED DEVICE IS NOT ELIGIBLE.**

The device is not valid or the device is allocated to another job.

**DEVICE *dev* COULD NOT BE FOUND IN THE CONFIGURATION.**

The system was unable to find the specified device in the configuration.

***dev***

The device number.

**DEVICE *dev* FOUND IN AN OFFLINE LIBRARY.**

The system-managed tape library where the tape device resides is either offline or pending offline.

**No text**

One of the following:

- The reply was not recognized as one of the options given in the message.
- The device number given is not valid for the DD statement being processed.
- The device cannot be accessed physically. For example, the device does not exist, the power is off, or the meter switch is disabled.
- The device number is not valid for the first volume from the list shown in message IEF877E or IEF878I for a multi-volume data set.
- The device is a direct access storage device (DASD) and has a volume serial number that is not valid. In this case, the system issues message IEF007I before this message.

**System action**

The system repeats message IEF238D until the operator enters a valid response.

## Operator response

Check the following:

- The reply given was an option specified in the message.
- The option was spelled correctly.
- If the reply was a device number be sure that:
  - The device was listed in message IEF877E or IEF878I.
  - The appropriate VARY command has been issued if the device was listed as NOT ACCESSIBLE.
  - The device can be physically accessed.
  - The device is not boxed. Use the DISPLAY U command to find out.
  - If the device is a permanently mounted direct access storage device (DASD), it contains the first volume from the list in message IEF877E or IEF878I.
  - If the tape device appeared in the LIBRARY OFFLINE list, issue a VARY LIBRARY online command before replying to IEF238D.
- If the system issued message IEF008I or message IEF024I before issuing this message, follow the operator response for that message. Reply to message IEF238D with another device or with 'CANCEL' to cancel the job.

## System programmer response

If you can not resolve the problem, search the problem reporting data bases for a fix. If no fix exists, contact the IBM Support Center, providing the logrec error record.

## Source

Allocation

## Module

IEFAB488

## Routing code

2,3/4/7

## Descriptor code

2,6

**IEF491I**

---

***jobname [procstep] stepname* - DD GENERATIONS CAUSE TOTAL DD  
STATEMENTS TO EXCEED TIOT LIMIT OF xxxxK**

## Explanation

The total number of DD statements that the system generates during allocation processing exceeds the maximum limit for a job step. The reason why this problem occurred may be one of the following:

- A data set spanning multiple device types.
- A data set requiring an implied private catalog.
- A generation data group (GDG) request for all data sets in the group.

In the message text:

***jobname***

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**xxxxK**

The maximum size of the task input/output table (TIOT).

**System action**

The system ends the job.

**Programmer response**

Decrease either the number of DD statements in the step or the number of DD requests of the type indicated in the preceding list. Resubmit the job.

**Source**

Allocation

**Module**

IEFAB466

**Routing code**

11

**Descriptor code**

-

**IEF492I**

***jobname [procstep] stepname ddname[+ xxx] - INVALID DATA SET NAME  
SPECIFIED ON JOBCAT OR STEPCAT STATEMENT***

**Explanation**

During allocation processing, the system found that a data set specified by the JOBCAT or STEPCAT DD statement was not a VSAM private catalog. JOBCAT and STEPCAT are reserved ddnames for describing VSAM private catalogs. Therefore, the DD statement cannot be a generation data group (GDG) request for all levels of the GDG, multi-volume data sets, or a multi-device type data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

List the system catalog to obtain further information about your private catalog.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

IEF493I

*jobname [procstep] stepname ddname[+ xxx] - INVALID PARAMETERS  
SPECIFIED FOR JOBCAT OR STEPCAT*

## Explanation

During allocation processing, the system found an incorrect parameter on either the JOBCAT or STEPCAT DD statement. JOBCAT and STEPCAT are reserved ddnames for describing private catalogs, which must also be cataloged. Therefore, the DD statement cannot:

- Specify volume or unit information
- Be for a subsystem data set
- Specify deferred mounts
- Specify a disposition of NEW
- Be a generation data group (GDG) single request
- Be for a new data set
- Specify a disposition other than KEEP
- Specify DUMMY

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information

on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

### System action

The system ends the job.

### Programmer response

List the system catalog to obtain further information about your private catalog.

### Source

Allocation

### Module

IEFAB4FD

### Routing code

11

### Descriptor code

-

---

IEF500I

*ddtype* DD *ddname* IS ERRONEOUSLY MARKED AS AN SMS LIBRARY  
MANAGED TAPE REQUEST

### Explanation

MVS Allocation found the DD identified in this message to be erroneously marked as an SMS Library Managed Tape Request and IBM does not support this type of modification to a DD.

In the message text:

***ddtype***

Type of DD: DUMMY or SUBSYS.

***ddname***

Name of the offending DD.

### System action

The job step containing this DD will be failed.

### Operator response

Notify the System Programmer.

### System programmer response

Search problem reporting databases for a fix for the problem. If the product or program that is modifying the subject DD is not known, contact the IBM Support Center to obtain further direction in identifying the errant product or program.

### Source

MVS Allocation

## Module

IEFAB421

## Routing code

11

## Descriptor code

4

---

**IEF502I**

*text*

---

## Explanation

*text* is one of the following:

DUPLICATE VOLUME SERIAL  
{UNIT *dev1* UNLOADED|UNIT *dev1* NOT VARIED}  
DUPLICATE VOLUME *vol* IS ON UNIT *dev2*

During allocation processing, the system found a duplicate volume serial number.

In the message text:

### **DUPLICATE VOLUME SERIAL**

A volume has been found with the same serial number as another volume.

### ***dev1* or *dev2***

The device number of the unit.

### **UNIT *dev1* UNLOADED**

The system unloaded the volume on *dev1* during normal processing to detect premounted volumes.

### **UNIT *dev1* NOT VARIED**

The system did not vary *dev1* online. When a tape or direct access device (DASD) device is varied online, the system reads the volume serial. While trying to vary *dev1* online, the system found the same volume name on online unit *dev2*. The system cannot vary unit *dev1* online; it remains offline.

### **DUPLICATE VOLUME *vol* IS ON UNIT *dev2***

A volume label read for the volume mounted on unit *dev1* found a volume, but a volume with the same name is already mounted on online unit *dev2*. The system does not support duplicate volume serial numbers.

## System action

Depending on the message text, the system does the following:

### **DUPLICATE VOLUME SERIAL**

The system unloads the volume and issues message IEF234E.

### **UNIT *dev1* UNLOADED**

### **UNIT *dev1* NOT VARIED**

### **DUPLICATE VOLUME *vol* IS ON UNIT *dev2***

If unit *dev1* is online, the system unloads the unit. If the volume label was read during a vary online request, the system leaves unit *dev1* offline.

## Operator response

Depending on the message text, do the following:

### **DUPLICATE VOLUME SERIAL**

Demount the volume in response to message IEF234E.

**UNIT *dev1* UNLOADED**  
**UNIT *dev1* NOT VARIED**  
**DUPLICATE VOLUME *vol* IS ON UNIT *dev2***

Determine whether unit *dev1* or *dev2* should be unavailable to the system and then demount the volume or keep the unit offline.

**Source**

Allocation

**Module**

IEFAB473

**Routing code**

\*/3/4

**Descriptor code**

4/5

---

**IEF503I** {UNIT *dev* INCORRECT VOLUME LABEL | UNIT *dev* I/O ERROR}

**Explanation**

During allocation processing, an error occurred when the system read a volume label. The error can be one of the following:

- An uncorrectable I/O error occurred.
- An unlabeled tape was mounted before it had been requested.
- A non-standard label tape was mounted. The user non-standard label handling routine rejected the label or the installation had provided no user non-standard label handling routine.
- The system detected a volume serial number that was not valid on a direct access storage device (DASD).

In the message text:

***dev***

The device number for the unit.

**System action**

The system unloads the volume and issues message IEF234E.

**Operator response**

Do one of the following:

- If an uncorrectable I/O error or an incorrect volume serial number was the problem, and the message recurs for the same volume, ensure that the label is correct.
- If an unlabeled volume had been mounted before it was requested, this is the problem. Do not remount the volume until it is requested.
- If a non-standard label volume was being used, notify the system programmer.

**System programmer response**

If the volume should use a non-standard label, ensure that a non-standard label handling routine exists. Otherwise, provide a standard label for the volume.



If the system issued this message for a DASD, ensure that the device is functioning correctly. Verify that the device has a correct standard label. If necessary:

- Refresh the volume label and try to vary the device online so that the system can attempt to verify the volume serial number.
- If the device is mountable, you also can replace the volume with one having a standard label.

Try to vary the device online so that the system can attempt to verify the volume serial. Further errors can indicate that the device experienced a hardware failure; in this case, contact hardware support.

## Source

Allocation

## Module

IEFAB473

## Routing code

\*/3/4

## Descriptor code

4/5

---

|                |  |
|----------------|--|
| <b>IEF506I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - NO STORAGE VOLUMES.</i></b><br><b><i>'VOLUME=PRIVATE' ASSUMED.</i></b> |
|----------------|--|

---

## Explanation

The DD statement requested space for a new data set on a non-private volume. The statement did not specify a volume serial number.

The system could not find enough storage volumes to satisfy the request. An attempt will be made to allocate the data set to a private volume.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

If there are demountable devices, the system will ask the operator to mount a volume which can be allocated as private to this request. If there are no demountable devices but there are offline devices, the system will go into allocation recovery and issue IEF238D. The system will then allow a private PERMRES volume to be chosen and allocated. If there are no demountable devices and no offline devices, the job will fail with message IEF462I.

## Source

Allocation

## Module

IEFAB436

## Routing code

11

## Descriptor code

-

---

**IEF510I**

**VOLUME HAS ANS LABEL**

## Explanation

A tape volume with an American National Standard (ANS) label was mounted in a system that does not support ASCII tape processing.

## System action

The system unloads the tape volume. The system issues demount message IEF234E to point out the device on which the wrong volume was mounted.

## Operator response

Set aside jobs that require ASCII tapes until a system that supports ASCII is available.

## Source

Allocation

## Module

IEFAB473

## Routing code

\*/3

## Descriptor code

4/5

---

**IEF524I**

***dev*{, VOLUME *ser*} PENDING OFFLINE**

## Explanation

The device listed was varied offline but could not be taken offline on the first attempt.

In the message text:

***dev***

The device number.

***ser***

The volume serial number.

## System action

The system will continue to try to take the device offline.

## Operator response

Verify that this device should be taken offline. If not, vary the device back online.

## Source

Allocation

## Module

IEFAB429

## Routing code

3,4,7,8,2

## Descriptor code

5

---

**IEF525E** *dev*{, VOLUME *ser*} STILL PENDING OFFLINE

## Explanation

The device listed was varied offline but could not be processed during the past 15 minutes. Depending on the system load, the pending process may have tried to process this device many times.

In the message text:

### ***dev***

The device number.

### ***ser***

The volume serial number.

## System action

The system will continue to try to take the device offline.

## Operator response

Verify that this device should be pending offline. If not, undo the original command by varying the device back online.

## Source

Allocation

## Module

IEFAB429

## Routing code

3,,4,7,8,2

## Descriptor code

3

---

**IEF550I**

*jobname {procstep} stepname* **STEP FAILED, UNABLE TO RESOLVE DATA SET STACKING, REASON *reason-code***

## Explanation

The user specified data set stacking, but JES3 and the BCP did not process the data set collections in the step in the same manner.

In the message text:

### ***jobname***

The name of the job that requested data set stacking.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the step.

### ***reason-code***

One of the following:

**1**

The BCP did not detect data set stacking, while JES3 detected at least one data set stack.

**2**

JES3 did not detect data set stacking, while the BCP detected at least one data set stack.

## System action

The system ends the job.

## System programmer response

For reason code 2, ensure that you have the JES3 5.2.1 TMM SPE installed. If this is not the problem, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## User response

Notify the system programmer.

## Source

Allocation

## Module

IEFAB422

## Routing code

11

## Descriptor code

6

---

**IEF572I**

*[jobname.stepname]* **VOLUME VERIFICATION ERROR ON *ser***

## Explanation

The system issued a mount request to the 3850 for a volume for a data set in the step of a job. When the system verified the volume, it found that the volume label read did not match the name of the volume in the mount request, or an I/O error occurred while reading the volume label.

In the message text:

### ***jobname.stepname***

The name of the job and job step.

*jobname.stepname* is not in the message text if the error condition is detected during PRESRES processing or during the processing of the VARY and UNLOAD commands.

### ***ser***

The volume serial number, which is one of the following:

- A specific tape volume serial number
- SCRTCH
- PRIVAT

SCRTCH or PRIVAT indicate non-specific volume requests. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=&&tempname]. PRIVAT is used for all other cases of non-specific volumes.

## System action

The system cancels the job if, during allocation, the label read was not as expected or an I/O error occurred while reading the volume label. Otherwise, the system issues a message and does not process the volume.

## Operator response

Report this error condition to the system programmer.

## System programmer response

If this message is preceded by message ICB194E for the same volume with restart code X'80' (incorrect cell location), follow the recovery actions.

If this message is preceded by message IEA000I (with 28 bytes of sense data), the volume verification error is due to an I/O error.

If the failure was due to an I/O error and *ser* was not SCRTCH, you have two options:

- Option 1: if you want to avoid getting an ICB096I message for another virtual volume, and this is a convenient time to assign an alternate track, do the following:
  1. Use the PURGE command with the VOLID parameter equal to *ser* to demount the volume. Vary offline the SSID shown in the previous IEA000I message.
  2. If the SSID is that of the drive with the primary or secondary tables pack, it is necessary to free the pack from tables use before processing. If the SSID is that of the drive with the secondary tables pack, run the COPYT command. If the SSID is that of the drive with the primary tables pack, run the SWAPT command to make the pack secondary tables pack, and then run the COPYT command. The pack with the error no longer contains the primary or secondary tables.
  3. Mount the staging pack on a read drive. Use the DFSMSdss utility to assign an alternate track. Remount the pack on an offline staging drive. Vary the SSID for the staging drive online. Restart the failing job step.
- Option 2: If you can specify the mount on another staging drive group to avoid the failing SSID, use the PURGE command with the VOLID parameter equal to *ser* to demount the volume. Restart the failing step with the changed job control language.

If an I/O error occurred and *ser* is SCRTCH, do the following:

1. Vary the virtual unit address offline. The device is in the previous 28-byte IEA000I message.
2. Restart the failing step.
3. At a convenient time, reassign the track in error. To do this, mount the staging pack on a real drive, and use the DFSMSdss utility to assign an alternate track. Remount the pack on an offline staging drive and vary the SSID of the staging drive online.

If there was no preceding ICB194E or IEA000I message, the verification error was due to a mismatch between the volume label and the volume in the mount request. The MODIFYV command will change the volume label to match the volume information that is in the Inventory data set, Mass Storage Control tables, and the operating system. Do the following:

1. Issue the UNLOAD command to demount the volume.
2. If an MSS Access Method Services command was being attempted to correct a volume label mismatch flag condition, check to see if the deferred mount parameter was used in the DD statement. If the deferred mount parameter was not used, correct the JCL DD statement, and restart the failing step.
3. If a specific volume request (with job control language, by the catalog, or by load) for this volume caused the verification attempt, use the previous messages or the LISTMSVI command output to determine if the volume label mismatch flag is on. If the mismatch flag is on, the LISTMSVI command output will have a Note (Note: Prior rename failed for above volume;) printed after the volume record of the volume that encountered the problem.
4. If the volume label mismatch flag is on, run the MODIFYV command with the deferred mount parameter specified in the JCL DD statement and with the serial number from the Inventory data set specified for both the volume parameter and the NEWSERIAL parameter to rewrite the volume label so that the volume label matches the volume name.
5. If the volume label mismatch flag is off, use the MODIFYV command to correct the improper volume label.

## Source

Allocation

---

**IEF602I**

**EXCESSIVE NUMBER OF EXECUTE STATEMENTS**

## Explanation

The system found more than 255 EXECUTE statements in one job. The maximum number of statements allowed in one job is 255.

## System action

The system scans the remaining JCL statements for syntax errors, but does not run the job.

## Programmer response

Divide the job into multiple jobs and submit them.

## Source

Converter/Interpreter

## Module

IEFVEA

## Routing code

10

## Descriptor code

4

---

**IEF604I**

**EXPDT SUBPARAMETER OF LABEL KEYWORD SPECIFIES ZERO DAYS  
VALUE**

## Explanation

The system found a day number value of zero (000) specified in the EXPDT subparameter of the LABEL parameter on a DD statement.

## System action

The system continues processing the job. The data set is protected until the last day of the year prior to the year specified in the EXPDT subparameter.

## System programmer response

Obtain the JCL for the job and look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check the day number value. If it is incorrect, submit a job to correct the data set expiration date.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF606I**

**MISPLACED DD STATEMENT**

## Explanation

The system found a DD statement between the JOB statement and first EXEC statement that did not contain JOBLIB or JOBCAT in its name field. Possibly, JOBLIB or JOBCAT was misspelled or the operation field of the first EXEC statement was not correctly specified.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the DD or EXEC statement, or place the DD statement in the job step in which it belongs. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF617I

NO NAME ON FIRST DD STATEMENT AFTER EXEC STATEMENT

## Explanation

The system found that the first DD statement following an EXEC statement did not contain a DDNAME in its name field; that is, column 3 of the DD statement was blank. Possibly, the first statement for a concatenation of data sets was omitted.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Either put a DDNAME in the name field of the DD statement or place it among other DD statements so that a proper concatenation is defined. Submit the job again.

## Source

Interpreter

## Module

IEFVDA



## Routing code

2,10

## Descriptor code

4

---

IEF619I

**SUBPARAMETER IN SYSOUT FIELD IS MUTUALLY EXCLUSIVE WITH  
SUBPARAMETER IN DEST FIELD**

## Explanation

The system found that the second positional subparameter (program name) of the SYSOUT keyword and the second positional subparameter (userid) of the DEST keyword appear in the same DD statement. The program name subparameter and the userid subparameter are mutually exclusive.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the DD statement in error by excluding either the program name subparameter or the userid subparameter. Run the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF623I

**SOURCE TEXT CONTAINS UNDEFINED OR ILLEGAL CHARACTERS *text***

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT

- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system found one or more incorrect characters in a JCL statement. All characters in a JCL statement must belong to the character sets defined in z/OS MVS JCL User's Guide.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.

### **System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

### **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the statement contains any incorrect characters, correct it. Submit the job again.

## Source

Interpreter

## Module

IEFVGT

## Routing code

2,10

## Descriptor code

4

---

**IEF624I**

**INCORRECT USE OF PERIOD *text***

## Explanation

In a job control statement, a period appeared in a parameter or field in which a period is not permitted.

In the message text, *text* is one of the following phrases:

- IN THE *prm* FIELD, where *prm* is the last correctly specified keyword parameter preceding the error. (The keyword must be followed by an equal sign to be considered correctly specified.)
- ON THE *cntr* STATEMENT, where *cntr* indicates the job control statement on which the error occurred. This phrase usually occurs if the error was detected before any keyword parameters were processed.
- IN THE *prm1* SUBPARAMETER OF THE *prm2* FIELD, where *prm1* is a minor keyword parameter associated with major keyword parameter *prm2*. (For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.)
- IN THE *prm* OVERRIDE FIELD, where *prm* is the most recently encountered valid override keyword parameter on an EXEC statement.

## System action

The system ends the job. The remaining job control statements for the job are scanned for syntax errors.

## System programmer response

Probable user error. Correct the parameter or field. Then submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

Note 19

## Descriptor code

-

---

**IEF625I****INCORRECT USE OF PARENTHESIS IN THE *parameter* FIELD**

---

## Explanation

In a JCL statement, the system found a parenthesis in a parameter where a parenthesis is not permitted.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

## System action

The system ends the job. The system scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the parameter contains any incorrect characters, correct it. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

---

**IEF631I****NUMBER OF DDNAMES EXCEEDS MAXIMUM**

---

## Explanation

The system found the DDNAME parameter within a job step unresolved in six or more DD statements at one time. There may be no more than 5 outstanding, unresolved DDNAME parameters in a step at one time.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Modify the job so that only five or fewer DD statements using the DDNAME parameter are unresolved or outstanding at one time in each step. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF632I**

**FORMAT ERROR *text***

---

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD

The system detected an error in a parameter in a JCL statement. Examples of errors detected are:

- Too many or too few specified levels of qualification
- An operand missing in a COND parameter
- The EVEN and ONLY subparameters were both specified in the COND parameter of the EXEC statement

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

## System action

The system ends the job and scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check that the parameters are specified according to the format that is documented in the [z/OS MVS JCL Reference](#).

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF633I

PROGRAMMER NAME MISSING *text*

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system did not find the programmer's name in the JOB statement. The programmer's name is established as an installation requirement in the PARM parameter of the reader procedure.

In the message text:

### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

### *parameter*

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Specify a programmer's name. If a programmer's name had been specified, correct the order of the positional parameters. Then submit the job again.

**Source**

Interpreter

**Module**

IEFVJA

**Routing code**

2,10

## Descriptor code

4

IEF634I

ACCOUNT NUMBER MISSING *text*

---

### Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system could not find the account number on the JOB statement. The account number was established as an installation requirement in the PARM parameter of the reader procedure.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.



## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Specify an account number. If an account number had been specified, check for a comma or a parameter before the account number. If one appears, remove it. Submit the job again.

## Source

Interpreter

## Module

IEFVJA

## Routing code

2,10

## Descriptor code

4

---

**IEF635I** **JOBNAME MISSING** *text*

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system could not find the job name. It must appear in the name field of a JOB statement.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Specify a job name and submit the job again.

**Source**

Interpreter

**Module**

IEFVJA

**Routing code**

2,10

## Descriptor code

4

---

IEF636I

MISPLACED JOBLIB STATEMENT

---

## Explanation

The system found one of the following:

- A DD statement containing JOBLIB in its name field appearing after an EXEC statement
- A second JOBLIB DD statement appearing in the JCL statements for a job

A JOBLIB DD statement must be placed immediately after a JOB statement and before the first EXEC statement in a job.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Place the JOBLIB DD statement immediately after the JOB statement. If two or more libraries are to be used as one library, put blanks in the name fields of the concatenated DD statements and place these statements immediately after the JOBLIB DD statement. Resubmit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF637I

EXCESSIVE ACCOUNT FIELD LENGTH *text*

---

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER

- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system found the accounting information in a JOB or EXEC statement to be longer than the 142 characters permitted.

In the message text:

**IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Check for a missing comma in the account field or shorten the accounting information. Submit the job again.

## Source

Interpreter

## Module

IEFVEA

**IEF638I**

**SPECIFIED NUMERIC EXCEEDS MAXIMUM ALLOWED *text***

---

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found that a parameter or subparameter value contains a valid number of digits, but exceeds the maximum numeric limit.

For example, when using ISO, ANSI, or FIPS tape labels, this message will occur if the user specified a value larger than 16383 kilobytes on the DD statement LRECL parameter.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

### **System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

### **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### **Programmer response**

Correct the parameter or subparameter value. Submit the job again.

For ISO/ANSI/FIPS tape labels, specify the DD LRECL value as nnnnn kilobytes (where nnnnn=1 to 16383). This requires the problem program DCB macro to include the LRECL=OK or LRECL=nnnnnK format.

### **Source**

Interpreter

### **Module**

IEFVEA

IEFVDA

---

**IEF639I**

**INVALID CLASS DESIGNATION *text***

### **Explanation**

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found that the class name specified as the operand of a parameter or subparameter was not one of a set of names or values acceptable for that parameter or subparameter.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the class name and submit the job again.

**Source**

Interpreter

**Module**

IEFVGT

**IEF640I**

**EXCESSIVE NUMBER OF POSITIONAL PARAMETERS *text***

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

The system found too many positional parameters in a JCL statement. A misplaced comma, a duplication, or a null operand field could cause such an error.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME. In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.



## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check for duplicate positional parameters or misplaced commas. Submit the job again.

## Source

Interpreter

## Module

IEFNB901, IEFVGT

## Routing code

2,10

## Descriptor code

4

---

IEF641I

IMPROPER SUBPARAMETER LIST *text*

## Explanation

A job control statement contains an incorrect subparameter list for a positional parameter. The subparameter list is required and is missing; is not permitted but is present; or it contains an incorrect value.

*text* is one of the following:

### IN THE *prm* FIELD

*prm* is the last correctly specified keyword parameter preceding the error. (The keyword must be followed by an equal sign.)

### ON THE *cntr* STATEMENT,

*cntr* is the job control statement on which the error occurred. The system usually displays this text if the error was detected before any keyword parameters were processed (for example, the system found an error in the name field of a statement).

### IN THE *prm1* SUBPARAMETER OF THE *prm2* FIELD

*prm1* is a minor keyword parameter associated with major keyword parameter *prm2*. (For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.)

### IN THE SYMBOLIC PARAMETER

The error was detected in the symbolic parameter. A symbolic parameter consists of a single ampersand (&) followed by a maximum of 7 alphanumeric (A-Z and 0-9) and national (@, #, \$) characters. The first character after the ampersand must be alphabetic or national.

### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The system found the error in the field that assigns a value to a symbolic parameter.

### IN THE *prm* OVERRIDE FIELD

*prm* is an override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for the job for syntax errors.

## Programmer response

Correct the parameter. Resubmit the job.

## Source

Interpreter

## Routing code

2,10

## Descriptor code

4

---

IEF642I

EXCESSIVE PARAMETER LENGTH *text*

---

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found a parameter that was longer than permitted.

In the message text:

### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### ON THE *cntr* STATEMENT

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### IN THE SYMBOLIC PARAMETER

The error was detected in the symbolic parameter.

### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The error was detected in the field that assigns a value to a symbolic parameter.

### IN THE *parameter* OVERRIDE FIELD

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors, and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Shorten the parameter to the maximum permitted length or less. Then submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF643I

UNIDENTIFIED POSITIONAL PARAMETER *text*

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system did not recognize a positional parameter that has certain permitted values. It may be incorrect or misspelled.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.

### **System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

### **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### **Programmer response**

Correct the bad positional parameter. Submit the job again.

### **Source**

Interpreter

## Module

IEFVDA, IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

**IEF644I**

**INVALID NUMERIC *text***

---

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found an alphabetic or special character in a parameter that can contain only numeric characters.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The error was detected in the field that assigns a value to a symbolic parameter.

### IN THE *parameter* OVERRIDE FIELD

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

### System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

### System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### Programmer response

Correct the erroneous parameter. Submit the job again.

### Source

Interpreter

### Module

IEFVGT

### Routing code

2,10

### Descriptor code

4

---

**IEF645I****INVALID REFER BACK *text***

### Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found a parameter that specified the name of a previous statement. However, a statement with that name was not found, or the statement contained the DYNAM parameter.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.

### **System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

### **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### **Programmer response**

Check that the conditions on the refer back match the conditions on the referenced statement. Check the spelling of the parameter containing the reference and of the name in the statement to which it refers. Determine if the parameter containing the reference can validly contain a reference. After correcting the error, submit the job again.

### **Source**

Interpreter

## Module

IEFVEA

## Routing code

2,10

## Descriptor code

4

---

IEF646I

REQUIRED POSITIONAL PARAMETER MISSING *text*

---

### Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system did not find a required positional parameter or subparameter.

In the message text:

#### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### ON THE *cntr* STATEMENT

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### IN THE SYMBOLIC PARAMETER

The error was detected in the symbolic parameter.

#### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The error was detected in the field that assigns a value to a symbolic parameter.

#### IN THE *parameter* OVERRIDE FIELD

The error was detected in an override field.



In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Insert the missing parameter or subparameter and submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

|         |  |
|---------|--|
| IEF647I | FIRST CHARACTER OF NAME NOT ALPHABETIC OR NOT NATIONAL <i>text</i> |
|---------|--|

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- ON THE *cntr* STATEMENT
- IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD
- IN THE SYMBOLIC PARAMETER
- IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER
- IN THE *parameter* OVERRIDE FIELD

In a JCL statement, the system found that the first character in a name is not alphabetic or national. The name can be the name field, a procedure name in a parameter, a program name in a parameter, a data set name, or a part of a qualified data set name. This message will also appear when a relative generation number of a generation data group is used without a plus or minus sign. For example, DSNAME=dsname(+1) is correct, whereas DSNAME=dsname(1) is incorrect.

In the message text:

### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**Note:** A symbolic parameter consists of a single ampersand (&) followed by a maximum of seven alphanumeric (A through Z and 0 through 9) and national (@, #, \$) characters. The first character after the ampersand must be alphabetic or national, that is, it cannot be a number.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the name field and submit the job again.

**Source**

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF648I**

**INVALID DISP FIELD - {KEEP|PASS} SUBSTITUTED**

---

## Explanation

In a DD statement, the system found an incorrect subparameter specified in the DISP parameter.

In the message text:

### **KEEP**

The substituted disposition, if a disposition of CATLG is specified for a data set whose data set name is enclosed in apostrophes.

### **PASS**

The substituted disposition, if one of the following occur:

- A disposition of KEEP is specified for a temporary data set.
- A DSNNAME parameter references a data set which has a disposition of DELETE.

## System action

The system changes the disposition of the data set. Processing continues. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the job is to be run again, correct the disposition and resubmit the job.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

**Explanation**

The system found that the number of DD statements in a job step exceeded the permitted limit. An EXEC statement might be missing.

**System action**

The system ends the job, but scans the remaining job control statements for syntax errors. The system issues this message with each DD statement that exceeds the permitted limit.

**System programmer response**

If you want to increase the permitted number of DD statements in a job statement, modify the size of the task input/output table (TIOT). See *z/OS MVS Using the Subsystem Interface* for information about the DD statement.

If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Either remove the excess DD statement(s) or add a missing EXEC statement. Submit the job again. If you need more than the permitted number of DD statements in a job, see the system programmer.

**Source**

Interpreter

**Module**

IEFVDA

**Routing code**

2,10

**Descriptor code**

4

**Explanation**

In a JCL statement, the system found a slash in a parameter preceding the error.

In the message text:

**xxx**

In the xxx FIELD, where xxx was the last correctly specified keyword parameter preceding the error.

**System action**

The system ends job. The remaining job control statements are scanned for syntax errors.

**System programmer response**

Probable user error. Correct the parameter or field, then submit the job again.

## Source

Interpreter

## Module

IEFVDA

---

**IEF653I****SUBSTITUTION JCL - *text***

---

## Explanation

The system found one or more symbolic parameters.

In the message text:

### ***text***

The text that results from the symbolic parameter substitution.

## System action

The system continues processing the job.

## Source

Interpreter

## Module

IEFVGM

## Routing code

2

## Descriptor code

4

---

**IEF654I****MULTIPLE DDNAMES REFER TO ONE DD STATEMENT**

---

## Explanation

In the JCL statements for a job step, the system found two DD statements with DDNAME parameters that specify the same name.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Either delete one of the DD statements or change the name in one of the duplicate DDNAME parameters. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF655I**

**INVALID DSNAME SPECIFIED WHEN SYSIN OR SYSOUT SPECIFIED**

## Explanation

In a JCL statement for a job step, the system found a DD statement containing a SYSIN or SYSOUT specification that had a DSNAME parameter value that was not valid.

## System action

The DSNAME parameter is ignored. Processing continues. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the job is to be run again, correct the statement by either removing the DSNAME or SYSIN or SYSOUT keywords, or modify the DSNAME parameter to a valid name for use with a SYSIN or SYSOUT data set. Resubmit the job.

## Source

Interpreter

## Routing code

2,10

## Descriptor code

4

---

**IEF656I**

**DD STATEMENT NAME INCONSISTENT WITH AMP**

## Explanation

In a JCL statement for a job step, the system found an incorrect DDNAME specified for the AMP keyword. The following DDNAMEs are not valid: JOBLIB, STEPLIB, SYSABEND, SYSDUMP, or SYSCHK.

## System action

The system ends the job and scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Select a valid DDNAME or remove the AMP parameter. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF661I

RESTART STEP NOT FOUND

## Explanation

During running of a deferred restart operation, the system found that the RESTART parameter of the JOB statement specified a step name that could not be found either in the resubmitted JCL statements or in the specified cataloged procedure.

## System action

The system ends the restart operation, and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the RESTART parameter and resubmit the job.

**Source**

Interpreter

**Module**

IEFVHH

**Routing code**

2,10

**Descriptor code**

4

---

**IEF667E****ENF LISTEN EXIT ERROR FOR EVENT CODE xx**

---

**Explanation**

The listen queue contains an element that is not valid.

In the message text:

**xx**

The event code for which the program issued the listen request.

**System action**

The system deletes the incorrect element and continues processing.

**Operator response**

Notify the system programmer.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Scheduler services

**Module**

IEFENFNM

**Routing code**

2,10

**Descriptor code**

11

---

**IEF669I****INVALID REFER FORWARD TO DYNAM DATA SET**

---



## Explanation

The system found a DD statement in which the DDNAME parameter specifies the name of a DD statement that contains a DYNAM parameter.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Either change the reference in the DDNAME parameter or delete the DYNAM parameter in the referenced DD statement. Submit the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF670I

NO VALUE ASSIGNED TO SYMBOLIC PARAMETER ON PROC STMT VIA  
THE EXEC STMT

## Explanation

The system found a job step calling a cataloged procedure that has not provided a value in its EXEC statement for a symbolic parameter contained in the PROC statement of the procedure. The symbol has no default value, and is therefore undefined.

**Note:** The symbolic parameter in question may have the same spelling as some valid EXEC statement keyword, such as REGION.

## System action

The system ends the job and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the error by doing one of the following:

- Give the symbolic parameter a default value on the PROC statement.
- Make a value assignment for it on the EXEC statement.
- Change the name of the symbolic parameter.

Resubmit the job.

## Source

Interpreter

## Module

IEFVEA

## Routing code

2,10

## Descriptor code

4

---

**IEF671I**

**MISPLACED JOBCAT DD STATEMENT**

## Explanation

The system found that a JOBCAT DD statement appeared after an EXEC statement, or a second JOBCAT DD statement appeared in the JCL for the job.

A JOBCAT DD statement, which defines a user catalog for the job, must precede the first EXEC statement in a job. Only one statement containing JOBCAT in its name field may appear in the control statements of a job. If a JOBLIB DD statement appears in the same job, it must immediately precede the JOBCAT statement.

## System action

The system ends the job. The system scans the remaining control statements for syntax errors.

## Programmer response

Make sure that the JOBCAT DD statement precedes the first EXEC statement. If two or more user catalogs are to be used as one catalog, put blanks in the name field of the concatenated DD statements, and make sure that the concatenated DD statements immediately follow the JOBCAT DD statement. Then run the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF672I****MULTIPLE STEPCAT DD STATEMENT IN STEP**

---

## Explanation

The system found more than one STEPCAT DD statement in a JCL statement. Only one STEPCAT DD statement may appear in a job step.

## System action

The job continues processing using the first STEPCAT DD statement. The subsequent STEPCAT DD statements are ignored.

## Programmer response

Remove all duplicate STEPCAT DD statements. If two or more user catalogs are to be used as one catalog, put blanks in the name fields of the concatenated DD statements. Make sure that the concatenated DD statements are immediately after the STEPCAT DD statement and run the job again.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF673I****ADDRSPC=REAL INVALID ON THE *cntr* STATEMENT**

---

## Explanation

The system found an unauthorized user attempting to acquire real storage. Currently, Time Sharing Options Extensions (TSO/E) is the only unauthorized user.

In the message text:

***cntr***

The statement with ADDRSPC=REAL.

## System action

The system ends the job. The system scans the remaining control statements for syntax errors.

## Programmer response

Either remove the ADDRSPC keyword from the statement in error (allowing ADDRSPC to default to VIRT) or specify ADDRSPC=VIRT. Run the job again.

**Source**

Interpreter

**Module**

IEFVEA

**Routing code**

2,10

**Descriptor code**

4

---

**IEF674I****INVALID DYNAMNBR VALUE - 0 SUBSTITUTED****Explanation**

The system found a non-numeric value or a value exceeding the allowed maximum coded as a parameter of the DYNAMNBR keyword.

**System action**

The system uses a default of 0 and continues processing the job. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the value and resubmit the job if necessary.

**Source**

Interpreter

**Module**

IEFVEA

**Routing code**

2,10

**Descriptor code**

4

---

**IEF675I****PERFORM VALUE INVALID OR OMITTED - SYSTEM DEFAULT  
SUBSTITUTED**

## Explanation

The system either did not find the PERFORM keyword or found an incorrect value coded as an object of the PERFORM keyword. The value was nonnumeric or exceeded 999.

## System action

The system substitutes a default performance group number of 1 for a non-TSO/E job or 2 for a TSO/E job. The system continues the job and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the value and resubmit the job if necessary.

## Source

Interpreter

## Module

IEFVJA

## Routing code

2,10

## Descriptor code

4

---

**IEF677I**

**WARNING MESSAGE(S) FOR JOB *jobname* ISSUED**

## Explanation

While converting or interpreting the JCL for this job, the system found an error but used a system default.

In the message text:

***jobname***

The name of the job.

## System action

The system issues attention messages at the end of the JCL for the job.

## Operator response

Check the attention messages to identify the default.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Source

Interpreter

## Module

IEFVGM

## Routing code

2

## Descriptor code

4

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|                |   |
|----------------|---|
| <b>IEF679I</b> | <b>DEVICE I/O ERROR CONVERTING/INTERPRETING JCL FOR JOB</b><br><i>jobname</i> |
|----------------|---|

---

## Explanation

The system found an uncorrectable input/output (I/O) error while processing a JCL statement.

In the message text:

***jobname***

The name of the job.

## System action

The system ends the job and issues message IEF678I to the SYSOUT data set to inform the programmer.

## Operator response

Restart the job in the input stream.

## Source

Interpreter

## Module

IEFVHE

## Routing code

2

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IEF680I</b> | <b>DEVICE I/O ERROR WRITING TO SYSTEM MESSAGE DATA SET FOR JOB</b><br><i>jobname</i> |
|----------------|--|

---

## Explanation

The system found an uncorrectable input/output (I/O) error while writing a JCL statement or a diagnostic message to a SYSOUT data set.

In the message text:

***jobname***

The name of the job.

**System action**

The system ends the job.

**Operator response**

Restart the job in the input stream.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source**

Interpreter

**Module**

IEFVHE

**Routing code**

2,10

**Descriptor code**

4

---

**IEF681I****INVALID COPIES VALUE - DEFAULT OF ONE SUBSTITUTED****Explanation**

The system found that the value of the COPIES keyword is zero, greater than 255, or not a number.

**System action**

The system substitutes a default value of one (1) and the job is allowed to continue.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the value and resubmit the job in the input stream if necessary.

**Source**

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF682I

FREE VALUE INVALID - DEFAULT OF (END) SUBSTITUTED

## Explanation

The system found a value other than CLOSE or END specified as the object of the FREE keyword.

## System action

The system substitutes the default value, END, and continues processing the job.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the value and resubmit the job if necessary.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

IEF683I

{CONVERTER | INTERPRETER} TERMINATED DUE TO *abendcde* ABEND  
REASON=*reason-code*

## Explanation

The system found an uncorrectable error while processing a JCL statement.

In the message text:

### CONVERTER

The converter ended.



## **INTERPRETER**

The interpreter ended.

### ***abendcde***

The system completion code.

### ***reason-code***

The reason code associated with the abend code or zero, if there is no reason code. The value is significant only if the REASON= keyword is coded on the ABEND macro instruction.

## **System action**

The system ends the job and issues messages about the job to the job log.

## **System programmer response**

See the system programmer response for the abend code. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## **Programmer response**

Notify the system programmer. Provide a copy of the output.

## **Source**

Interpreter

## **Module**

IEFNB91R

## **Routing code**

2

## **Descriptor code**

4

---

**IEF684I****HOLD VALUE INVALID - DEFAULT OF 'NO' SUBSTITUTED**

## **Explanation**

The system found an incorrect value coded as the object of the HOLD keyword. The value was neither YES nor NO.

## **System action**

The system sets a default of NO and continues processing the job. The system issues messages about the job to the job log.

## **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the value and resubmit the job if necessary.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF685I**

**STATIC PLUS DYNAMIC DD COUNT EXCEEDS MAX - DYNAMIC DD'S  
REDUCED**

## Explanation

In a job step, the system found that the total number of the following DDs exceeds the value specified in the allocation default module:

- The number of DDs
- The number of DD DYNAMs
- The value that is the object of the DYNAMNBR keyword

## System action

The system reduces the number of dynamic DDs so that the number of DDs for the job step is now equal to the value specified in the allocation default module. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Delete static DDs or DD DYNAM statements, or correct the DYNAMNBR value. Resubmit the job if necessary.

## Source

Interpreter

## Module

IEFVHH

## Routing code

2,10

## Descriptor code

4

---

IEF686I

DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS  
NOT RESOLVED

## Explanation

In a job step, the system could not find a referenced DD statement. A DD statement in the previous step or the last step of the job contains a DDNAME keyword parameter, but the DD statement referred to by the parameter is not defined in that step.

**Note:** The statement number that precedes the message is one of the following:

- The number of the EXEC statement following the step containing the DD statement in error
- The number of the last DD statement in the job when the DD statement in error is in the last step of the job

## System action

The system continues to process the job. The DD statement containing the DDNAME keyword parameter is treated as a DD DUMMY statement. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check the spelling of the DDNAME parameter and make sure that the DD statement referred to by the parameter is included in the same step. Resubmit the job.

## Source

Interpreter

## Module

IEFVHH

## Routing code

2,10

## Descriptor code

4

---

IEF687I

*jobname [procstep] stepname ddname [+ xxx]* - REQUESTED VOLUME  
MOUNTED ON JES3 MANAGED UNIT

## Explanation

For a DD statement, the volume specified in the VOLUME parameter or retrieved from the catalog is mounted on a JES3-managed unit. The UNIT parameter did not specify the name of a group of units managed by JES3.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the data definition (DD) statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**Programmer response**

Change the UNIT parameter of the DD statement to specify the name of a JES3-managed unit. Resubmit the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

**IEF688I**

***jobname [procstep] stepname ddname [+ xxx] - NULLFILE AND DSNAME  
CONFLICT IN ISAM CONCATENATION***

**Explanation**

The system found a DD statement that specifies DSORG=IS or ISU and DSN=NULLFILE concatenated to a DD statement that specifies DSORG=IS or ISU and a data set name other than NULLFILE.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The DD statement name with the conflict in ISAM concatenation.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job and issues messages.

**Programmer response**

Change the dsname for the DD statements in the concatenation either to all NULLFILE or to all not NULLFILE. Run the job again.

**Source**

Allocation

**Module**

IEFAB490

---

**IEF689I** **JOB *jjjjjjj* FAILED *ddname* DID NOT OPEN**

---

**Explanation**

During initialization of a job, the system found an error when the initiator issued an open for a DCB.

In the message text:

***jjjjjjj***

The name of the job that failed.

***ddname***

The name of the DDname that failed:

**PARMDD**

Indicates that the data set associated with the PARMDD=DDname did not open. It may be because the specified DDname cannot be found or because the data set specified has an incompatible data set organization or record format.

**JOBLIB**

Indicates that the data set associated with the JOBLIB DDname did not open.

**STEPLIB**

Indicates that the data set associated with the STEPLIB DDname did not open.

**PGM=\*DD**

Indicates that the EXEC statement specified a backward reference to a DD statement. The DD statement defined the program as a member of partitioned data set.

**System action**

The system ends the job.

**Source**

Initiator/terminator

**Module**

IEFSD162

## Routing code

11

## Descriptor code

-

---

IEF690I

**FOLLOWING VOLUMES UNAVAILABLE TO *jobname* *stepname* *ser1* *ser2*  
... *ser9***

## Explanation

The system was unable to satisfy all the volume requests in the step. The message lists the unavailable volumes in the following line(s) of the message, printing up to nine volume serial numbers per line.

In the message text:

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

### ***ser***

The volume serial number.

## System action

The system issues message IEF235D and waits for the volumes to become available as other jobs end or for a negative response to message IEF235D.

## Operator response

To cancel the wait, if so desired, respond to message IEF235D. This will cancel the job if the wait was to satisfy a batch DD request. It will cause the dynamic allocation request to fail if the wait was to satisfy a dynamic allocation request.

## Source

Allocation

## Module

IEFAB421

## Routing code

2

## Descriptor code

6

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IEF691I

***jobname* [*procstep*] *stepname* *ddname*[+ *xxx*] - DATA SET/VOLUME  
COULD NOT BE RACF PROTECTED - USER NOT DEFINED TO RACF**

## Explanation

The dynamic allocation protection key was specified or the PROTECT keyword was coded on the DD statement, but it could not be honored because the user is not defined to RACF.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

If the DASD data set or tape volume protection is required, contact the RACF administrator for assistance in getting defined to RACF.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF692I**

**INVALID REFERENCE TO HIERARCHICAL FILE [text]**

## Explanation

*text* is one of the following:

- IN THE *parameter* FIELD
- IN THE *subparameter* SUBPARAMETER OF THE *parameter* FIELD

A JCL statement attempted to refer to a DD statement for a z/OS UNIX file. Neither parameter nor subparameter will appear in the message if the incorrect reference was made using the DD DDNAME parameter. In this case, the message will be associated with the referenced DD (representing the z/OS UNIX file), rather than the referencing DD containing the DDNAME parameter.

In the message text:

***parameter***

The JCL keyword containing the incorrect reference.

**subparameter**

The JCL subparameter containing the incorrect reference.

**System action**

The system ends the job and scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Eliminate the incorrect reference and resubmit the job.

**Source**

Interpreter

**Module**

IEFVDA

**Routing code**

Note 19

**Descriptor code**

-

---

**IEF694I**

**DDNAME REFERENCE TO DD CONCATENATION REFERS ONLY TO FIRST DD**

**Explanation**

THE JCL DDNAME keyword has been used to refer to a DD concatenation. When the object of a DDNAME reference is a concatenation of multiple DDs, only the first DD in the concatenation is actually referenced.

**System action**

The system issues message IEF677I and continues processing the job. The first DD in the referenced concatenation is associated with the referencing DD. The remaining (unlabeled) DDs in the referenced concatenation are concatenated to the labeled DD immediately preceding the concatenation.

**User response**

If the DDNAME reference was intended to refer to the entire concatenation, move the concatenated DDs to follow the referencing DD rather than the referenced DD. This will ensure that the concatenation is correctly defined to the system.

**Source**

Interpreter

---

**IEF695I**

**START *mbrname* WITH JOBNAME *jobname* IS ASSIGNED TO USER *userid* ,GROUP *groupid***

**Explanation**

This message displays the user and group that a started task has been assigned to.



In the message text:

***mbrname***

The member name that was specified in the started task class. The member name can be from 1 to 8 characters long.

***jobname***

The jobname that has been assigned to this started task. The jobname can be from 1 to 8 characters long.

***userid***

The userid that is assigned to this started task. The userid can be from 1 to 8 characters long.

***groupid***

The groupid that is assigned to this started task. The groupid can be from 1 to 8 characters long.

## System action

Processing continues.

## Source

Initiator

## Module

IEFIB600

---

**IEF696I**

**I/O TIMEOUT ON DEVICE *dev* - DEVICE MARKED NOT READY**

---

## Explanation

An input/output (I/O) request to a device has timed out. The device is a direct access storage device (DASD) or tape device. Possible causes are:

- The device may have been marked NOT READY.
- When the I/O was requested, a device RESERVE on the device was currently held by another system.
- The device is not accepting I/O requests and may be broken.

In the message text:

***dev***

The device number of the device.

## System action

The system marks the device as NOT READY. The system continues processing.

For a mountable device, the system may subsequently issue mount requests for the device.

## Operator response

Check the device to determine if you can take actions to make the device ready to accept I/O requests.

If you cannot make the device ready, look for message IOS431I, which would identify a system holding a reserve on the device. If IOS431I is not issued or does not identify a system holding a reserve, enter the following command on all systems that share the device:

```
DISPLAY U, ,OFFLINE,dev,1
```

In the response, message IEE457I, look for an R in the STATUS field. If present, the device is reserved. Run the program that uses the device later when the device is no longer reserved.

If the device cannot be readied through operator action or is not reserved, contact hardware support to determine why the device is not accepting I/O requests.

## Source

Allocation/unallocation

## Module

IEFAB4E0

## Routing code

2,3 or 2,4

## Descriptor code

4

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|                |   |
|----------------|---|
| <b>IEF700I</b> | <b><i>jobname [procstep] stepname</i> - ENVIRONMENT CHANGED. NOW<br/>UNABLE TO ALLOCATE</b> |
|----------------|---|

---

## Explanation

The system could not allocate a device, which had been available at the start of the step, because it is now in use by a system function such as OLTEP or a system utility, or because it is boxed.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Resubmit the job when the device becomes available again.

## Source

Allocation

## Module

IEFAB48A, IEFAB491

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|                |   |
|----------------|---|
| <b>IEF701I</b> | <b><i>jobname [procstep] stepname [ddname[+ xxx]]</i> - ERROR CHANGING<br/>ALLOCATION ASSIGNMENTS</b> |
|----------------|---|

---

## Explanation

The system had to reassign certain allocations for a step. During an attempt to unallocate a unit, an error occurred.

In the message text:

### ***jobname***

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Resubmit the job.

**Source**

Allocation

**Module**

IEFAB477, IEFAB490

**Routing code**

11

**Descriptor code**

-

---

**IEF702I** *jobname [procstep] stepname ddname [+ xxx] UNABLE TO ALLOCATE*

**Explanation**

The system could not allocate one or more devices to a step.

Possible causes are:

1. The UNIT parameter(s) in a DD statement, or combination of DD statements, specified a device collection and requested more than the number of devices available within the collection. This can occur due to a volume serial number in conflict between DD statements, such as when stacking multiple data sets onto one or more tape volumes within a single step. This can also occur because, under certain conditions, the number of devices available within a collection can be reduced.
  - Any devices in the collection that are boxed are unavailable.
  - Any devices in the collection that already contain the data set being created (possibly an uncataloged duplicate data set) are unavailable.

2. For DASD, the required volume is not online (perhaps no longer exists) and either volume mounting is not allowed or there are no offline devices in the specified or defaulted UNIT name.
3. The required volume is online but outside the requested UNIT name and there are no offline devices within the UNIT name.
4. The required volume is online and within the requested UNIT name, but is on a different device type (e.g., 3380 vs 3390).
5. For DASD, the request is for a new non-SMS-managed data set but a volume serial number was not supplied and no volumes in the UNIT name are mounted STORAGE.
6. The request is for a new non-SMS-managed data set, but all of the devices within the requested UNIT name are SMS-managed.
7. For tape, all devices within the UNIT name are either offline or allocated, and waiting for offline and/or allocated devices is not allowed.
8. JES3 selected a device which is in use by a system function (UCBNALOC).
9. The JES3 tape definitions are incorrect.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

If the device(s) should have been available based on the configuration defined to the system, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

1. Check the UNIT parameter(s) to make sure that the device collections can supply the number of devices needed, taking into account the conditions noted. If necessary, change the UNIT parameters.
2. Ensure that the desired volume serial number was specified and spelled correctly. Also ensure that the volume is online, within the correct esoteric, and that the device is of the proper type.
3. Ensure that at least one volume within the requested UNIT name has sufficient space and is mounted STORAGE, or specify a volume serial number.
4. To create a non-SMS-managed data set, select a non-SMS-managed UNIT name.
5. Change the dynamic allocation to allow waiting for offline devices, allocated devices or both offline and allocated devices.
6. Wait until the system function (for example, SWAP) has completed.
7. Verify that the JES3 tape definitions (SETNAME, HWSNAME, DEVICE) are correct.

Resubmit the job.

## Source

Allocation

## Module

IEFAB479, IEFAB482, IEFAB485, IEFAB486, IEFAB4FJ

## Routing code

11/Note 36

## Descriptor code

-

---

**IEF703I**

**- *jobname [procstep] stepname ddname[+ xxx]* - NEW DATA SETS NOT ALLOWED ON STACKED PACK FORMAT DOS VOLUME**

## Explanation

The system could not allocate a new data set that was requested on a disk operating system (DOS) stacked pack format volume. In an MVS system, new data sets cannot be created on such a volume. Only existing data sets may be used.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Specify a different VOL=SER parameter in the DD statement or make sure at least one non-stacked pack format volume is available.

## Source

Allocation

## Module

IEFAB4FD

**IEF704I**

***jobname [procstep] stepname ddname[+ xxx] - UNABLE TO ACCESS  
REQUIRED SYSCTLG DATA SET ON CONTROL VOLUME***

## Explanation

During allocation processing, the system could not access a control volume (CVOL) required to locate a cataloged data set, for one of the following reasons:

- No SYSCTLG data set was contained on the required volume.
- A permanent I/O error occurred while the system was attempting to open the catalog.
- An attempt was made to create a CVOL environment or access an existing CVOL as DYNAMIC.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

In the first case, make sure that the correct SYSCTLG data set exists on the control volume specified in the master catalog.

In the second case, rerun the job.

In the third case, do not define devices containing CVOLs as dynamic devices.

## Source

Allocation

## Module

IEFAB4FD

**IEF705I**

**DIAGNOSTIC INFORMATION FOR UNSUCCESSFUL ALLOCATION  
DETECTED AT *date time* BY *module* INSTANCE *instance*  
*jobname [procstep] stepname ddname [+xxx]*  
[DEVICES FOR *unitname* -  
TOTAL: *nnn* / OFFLN: *nnn* / ALLOC: *nnn* / AVAIL: *nnn*]  
DIAGNOSTIC UNIT/DEVICE TYPE INFO: *unitinfo***

[DEFAULT UNIT APPLIED FROM [PARMLIB|USER PROFILE]]  
[STORCLAS: *storclas* DATACLAS: *dataclas* MGMTCLAS: *mgmtclas*]  
[DYNAMIC ALLOCATION REQUEST FLAGS: *flg1 flg2*]

## Explanation

An attempt was made to select a device for the jobname/stepname/DDname listed. Allocation was unable to select an appropriate device and no error situations were encountered. This message contains diagnostic data to help IBM Service locate the module where the error was detected and determine the cause of the error.

In the message text:

***date***

The date of the error.

***time***

The time of the error.

***module***

The module which detected the error.

***instance***

The instance within module that detected the error.

***jobname***

The name of the job.

***stepname***

The name of the job step.

***procstep***

The name of the step in the procedure.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation is +000, but the value +000 is never shown.

***unitname***

The unit specified on the allocation request

**TOTAL: *nnn***

The total number of devices in unit.

**OFFLN: *nnn***

The number of devices in unit *unitname* that are offline.

**ALLOC: *nnn***

The total number of devices in unit *unitname* that are allocated elsewhere.

**AVAIL: *nnn***

The total number of devices in unit *unitname* that are available for allocation

***unitinfo***

Internal unit/device type information. This information is provided for IBM Service only.

**DEFAULT UNIT APPLIED FROM [PARMLIB|USER PROFILE]**

Indicates for a dynamic allocation request that a default unit was used. If PARMLIB is indicated, the default unit used was specified in the ALLOCxx Parmlib member. If USER PROFILE was indicated, the default unit used was applied by TSO as described by the TSO ALLOCATE command in the [z/OS TSO/E Command Reference](#).

**STORCLAS: *storclas***

Indicates the SMS STORCLAS that was used by the allocation request. If no STORCLAS was used, N/A is present. If no STORCLAS, DATACLAS, or MGMTCLAS was used, the entire line is not present.

**DATACLAS: *dataclas***

Indicates the SMS DATACLAS that was used by the allocation request. If no DATACLAS was used, N/A is present. If no STORCLAS, DATACLAS, or MGMTCLAS was used, the entire line is not present.

**MGMTCLAS: *mgmtclas***

Indicates the SMS MGMTCLAS that was used by the allocation request. If no MGMTCLAS was used, N/A is present. If no STORCLAS, DATACLAS, or MGMTCLAS was used, the entire line is not present.

***flg1 flg2***

The flag data from the dynamic allocation request, if applicable. *flg1* is S99FLAG1 and *flg2* is S99FLAG2.

**System action**

The allocation fails. If the request was a dynamic allocation request from a program or subsystem, the program or subsystem can continue processing. If the request was a batch allocation request (a DD statement from a JCL job), the job is failed.

**System programmer response**

Allocation failures of this type are expected. Consult with the application owner to determine if the error is expected and if the application will retry the allocation. If the error is not expected, call IBM Service for assistance in determining the cause of the error.

**Programmer response**

Consult with system programmer to determine if this message indicates an error that must be pursued with IBM Service.

**Source**

Device allocation

**Module**

IEFAB4DG

**Routing code**

11

**Descriptor code**

7

---

**IEF706I**

**EDT BUILT FROM THIS IODF MAY CAUSE DEVICE ALLOCATION  
FAILURES ON RELEASES PRIOR TO HBB7730.**

**Explanation**

While activating an IODF, either at NIP time or during ACTIVATE command processing, allocation detected that there are more than 65 535 groups in the EDT. The current release can support more than 64K groups, but releases before z/OS V1R8 cannot be used.

**System action**

The system continues processing.

**Operator response**

Notify the system programmer.



## System programmer response

This IODF cannot be used on releases before z/OS V1R8. If you do not need to use IODF on earlier releases, no action is necessary. If you do, decrease the number of esoterics in the configuration. If you need further assistance, contact the IBM Support Center.

### Source

Allocation

### Module

IEFIBER4

### Routing code

2

### Descriptor code

12

---

**IEF707I**

**INTERNAL ALLOCATION ERROR** *description*

### Explanation

An internal Device Allocation error was detected. The *description* is:

#### **FOR DEVICE *dddd* - NO IGDE WAS FOUND**

The system could not locate the IGDE control block for tape device *dddd*.

### System action

For FOR DEVICE *dddd* - NO IGDE WAS FOUND, the system issues ABEND X'05C' reason code X'229' and a dump is taken.

### Operator response

For FOR DEVICE *dddd* - NO IGDE WAS FOUND, issue the VARY dev,OFFLINE command to attempt to take the device offline. If the device cannot be taken offline, issue the VARY dev,OFFLINE,FORCE command to box the device and take it offline. For AutoSwitchable tape devices, it may be necessary to perform these actions on every system in the sysplex. Contact the system programmer.

### System programmer response

Verify that the device is functioning properly. Manually unload the volume from the device if necessary. Search problem reporting databases for a fix for the problem. If no fix is found, contact the IBM Support Center.

### Programmer response

Resubmit the job. If the error recurs, contact the system programmer.

### Source

Allocation

### Module

IEFAB4CD, IEFAB4E8, IEECB859, IEFAB4FX, IEFHB4IG

## Routing code

2

## Descriptor code

-

---

**IEF713I**

*jobname [procstep] stepname - MSS VOLUME NOT AVAILABLE*

## Explanation

During processing of an allocation request for a Mass Storage Subsystem (MSS) volume, the system found one of the following:

- The requested volume is presently mounted with the exclusive attribute.
- The MSS device is not shareable, and currently the volume is already mounted and shareable.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

See message IEF710I for the volume serial number, the device number, and the reason code.

## System action

The system ends the job.

## Programmer response

Rerun the job when the MSS volume is available.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF714I**

*jobname [procstep] stepname - MSS VOLUME NOT DEFINED*

## Explanation

During processing of an allocation request for a Mass Storage Subsystem (MSS) volume, the system determined that the mass storage volume does not exist in the Mass Storage Control (MSC) tables.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

See message IEF710I for the volume serial number, the device number, and the reason code.

**System action**

The system ends the job.

**System programmer response**

See MSS reason code X'07' for further recovery actions.

**Programmer response**

Correct the volume serial number if it was incorrectly specified, and restart the job.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

-

---

**IEF715I** *jobname [procstep] stepname - MSS VOLUME INACCESSIBLE***Explanation**

During processing of an allocation request for a Mass Storage Subsystem (MSS) volume, the system found that the volume cannot be accessed from the specified device number.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

See message IEF710I for the volume serial number, the device number and the reason code.

**System action**

The system ends the job.

## Programmer response

See the MSS reason code to determine the cause of the error. For reason code 8, resubmit the job after correcting the JCL according to proper installation procedures. For reason codes 10 and 12, resubmit the job when the MSS volume becomes available.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF716I** *jobname [procstep] stepname - UNABLE TO MOUNT MSS VOLUME*

## Explanation

During processing of an allocation request for a Mass Storage Subsystem (MSS) volume, the system found that it cannot mount the volume because of an MSS error.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

See message IEF710I or IEF712I for the volume serial number, the device number, and the reason code.

## System action

The system ends the job.

## Programmer response

Report the problem to the system programmer. Resubmit the job after the system programmer has corrected the error indicated in IEF710I or IEF712I.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF717I**

***jobname [procstep] stepname* - MSS VOLUME NOT MOUNTED. MSVGP NAME DOES NOT EXIST.**

## Explanation

During processing of an allocation request for a Mass Storage Subsystem (MSS) volume, the system found that the virtual volume group name (MSVGP) specified does not exist.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

## System action

The system ends the job.

## Programmer response

Correct the MSVGP name and resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF718I**

***jobname [procstep] stepname* - MSS VOLUME NOT MOUNTED. SPACE OR MSVGP REQUIRED FOR NON-SPECIFIC REQUEST.**

## Explanation

Either SPACE or MSVGP name must be specified on a nonspecific volume request to the Mass Storage Subsystem (MSS).

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system ends the job.

**Programmer response**

Resubmit the job, adding either a MSVGP name or SPACE specification to the request.

**Source**

Allocation

**Module**

IEFAB4FD

**Routing code**

11

**Descriptor code**

-

---

**IEF719I**

***jobname [procstep] stepname ddname [+ xxx] - DATA SET PREVIOUSLY  
DEFINED***

**Explanation**

During allocation processing, the system found that a profile for the specified data set on this volume already exists in the Resource Access Control Facility (RACF) data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

## Programmer response

Change the data set name or volume serial, or have the installation RACF administrator delete from the RACF data set the profile for the specified data set on this volume. Then, resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

6

---

|         |   |
|---------|---|
| IEF720I | <i>jobname [procstep] stepname ddname [+ xxx] - USER NOT AUTHORIZED<br/>TO DEFINE THIS DATA SET</i> |
|---------|---|

## Explanation

During allocation processing, the system found that the user did not have sufficient Resource Access Control Facility (RACF) authorization to define the data set.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Contact the installation RACF administrator to authorize the user to define data sets. Then, resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

6

---

**IEF721I** *jobname [procstep] stepname ddname [+ xxx] - PROTECTION CONFLICT  
IN ISAM REQUESTS*

## Explanation

During allocation processing, the system could not perform automatic data set protection because a concatenated ISAM DD statement contained one or more of the following errors:

- The data set status was not either NEW or MOD treated as NEW.
- The data set disposition or conditional disposition was DELETE.
- The DSNAMES parameter specified a system-generated name.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Ensure that the conditions for automatic data set protection are met by each DD statement of the concatenation. Then, resubmit the job.

## Source

Allocation

## Module

IEFAB4FD



## Routing code

11

## Descriptor code

6

---

**IEF722I**

*jobname - FAILED - text*

---

### Explanation

*text* is one of the following:

- USERID IS REQUIRED
- INVALID PASSWORD GIVEN
- EXPIRED PASSWORD GIVEN
- NEW PASSWORD NOT VALID
- USER NOT PART OF GROUP
- USER PROFILE NOT FOUND
- FAILED BY INSTALLATION
- USER ACCESS IS REVOKED
- OIDCARD IS REQUIRED
- GROUP ACCESS REVOKED
- RETURN CODE NOT VALID

Depending on the message text, the resource access control facility (RACF) found one of the following while the system was processing a job:

#### **USERID IS REQUIRED**

A valid user identifier was not entered on the JCL JOB statement.

#### **INVALID PASSWORD GIVEN**

The user entered an incorrect password.

#### **EXPIRED PASSWORD GIVEN**

The user entered an expired password.

#### **NEW PASSWORD NOT VALID**

A new password is not valid, or it is the same as the old password.

#### **USER NOT PART OF GROUP**

The user is not part of the specified group.

#### **USER PROFILE NOT FOUND**

The system could not find the user's profile.

#### **FAILED BY INSTALLATION**

The system ended the job at job initiation.

#### **USER ACCESS IS REVOKED**

The system revoked the user's access.

#### **OIDCARD IS REQUIRED**

The user must supply an operator identifier magnetic stripe card when logging on to the system.

#### **GROUP ACCESS REVOKED**

The system revoked the user's access to a group.

#### **RETURN CODE NOT VALID**

The security product found an error while checking user access.

## System action

The system abnormally ends the job.

## Programmer response

Depending on the message text, do one of the following:

### USERID IS REQUIRED

Enter a valid userid on the JCL JOB statement.

### INVALID PASSWORD GIVEN

### EXPIRED PASSWORD GIVEN

### NEW PASSWORD NOT VALID

### USER NOT PART OF GROUP

Enter the correct value for PASSWORD or GROUP. Run the job again.

### USER PROFILE NOT FOUND

### FAILED BY INSTALLATION

### USER ACCESS IS REVOKED

### OIDCARD IS REQUIRED

### GROUP ACCESS REVOKED

### RETURN CODE NOT VALID

Contact the RACF administrator.

## Source

JES/scheduler services

## Module

IEFIB600, IEFSD166, HASPCNVT

## Routing code

2,9,11

## Descriptor code

6

---

**IEF723E**

**ERROR OCCURRED IN ENF MODULE *name***

## Explanation

For an event notification, the storage containing the requestor's event parameter list was overlaid after initial validation.

In the message text:

### ***name***

The module name.

## System action

The system does not process the event notification request.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Scheduler services

**Module**

IEFENFNM

**Routing code**

2,10

**Descriptor code**

11

---

|                |  |
|----------------|--|
| <b>IEF724I</b> | <i>jobname [procstep] stepname</i> <b>ALLOCATION OF STEPCAT(S) FOR<br/>DISPOSITION PROCESSING FAILED</b> |
|----------------|--|

**Explanation**

During a JES warm start, the system could not allocate and open the private catalogs specified by the STEPCAT DD statements.

In the message text:

***jobname***  
The name of the job.

***procstep***  
The name of the step in the procedure.

***stepname***  
The name of the job step.

**System action**

The system uses the master catalog for the catalog functions requested by the step.

**System programmer response**

List the master catalog and STEPCAT catalogs. Then, correct the problems in the subsequent job.

**Source**

Allocation

**Module**

IEFBB410

**Routing code**

11

**Descriptor code**

---

|                |  |
|----------------|--|
| <b>IEF725I</b> | <i>jobname [procstep] stepname ddname [+ xxx]</i> <b>- MSS VOLUME<br/>SELECTION FAILURE - rc</b> |
|----------------|--|

## Explanation

The system could not select a Mass Storage Subsystem (MSS) volume for a DD statement.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***rc***

The Mass Storage Subsystem Communicator (MSSC) reason code.

## System action

The system ends the job.

## Programmer response

See MSS messages to determine the cause of the error.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF726I** *jobname [procstep] stepname ddname [+ xxx] - ALLOCATION REQUEST FAILURE - MSS NOT INITIALIZED*

## Explanation

During allocation processing, the system found that a request was for a Mass Storage Subsystem (MSS) device but the MSS is not initialized. The request was in:

- The UNIT parameter of a DD statement retrieved from the catalog.
- Passed from an earlier step via a PASS disposition.
- Retrieved from an earlier DD statement via volume reference (VOL = REF) used on the DD statement.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Ensure that the MSS is initialized when the job runs or change the UNIT parameter to specify non-MSS devices. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

-

---

**IEF729I**

***stmt* STATEMENT IGNORED, NOT SUPPORTED FOR DYNAMIC UPDATE**

## Explanation

During processing for a SET SCH command, the system found a statement in the SCHEDxx parmlib member that is not supported for dynamic update. The system does not support the RESTART, NORESTART, and MT statements for dynamic update.

In the message text:

***stmt***

The ignored statement in the SCHEDxx parmlib member.

## System action

The system ignores the statement but continues dynamic update processing.

**System programmer response**

Set up a SCHEDxx parmlib member to use for dynamic updates only. The system supports only the PPT statement for dynamic update, so use only the PPT statement in this parmlib member.

**Source**

Initiator/Terminator

**Module**

IEFSCHED

**Routing code**

10

**Descriptor code**

11

---

|                |                                 |
|----------------|---------------------------------|
| <b>IEF730I</b> | <b>INVALID REPLY SPECIFIED.</b> |
|----------------|---------------------------------|

**Explanation**

The operator entered a reply other than WAIT or TERM for message IEF739D.

**System action**

The system displays message IEF739D again.

**Operator response**

Reply to message IEF739D with WAIT or TERM.

**Source**

Allocation

**Module**

IEFECS07

---

|                |   |
|----------------|---|
| <b>IEF731I</b> | <b>SCHEDxx LINE <i>num</i>: PPT STMT [FOR PGMNAME <i>name</i>] [IGNORED.   ACCEPTED.] REASON = <i>kwrc</i>.</b> |
|----------------|---|

**Explanation**

The system detected an error on a program properties table (PPT) statement of the SCHEDxx parmlib member.

In the message text:

**xx**  
The suffix of the SCHED parmlib member.

**num**  
The line number of the PPT statement.

**name**  
The program name on the PPT statement, if found.

***kw***

An identifier for the keyword on which the error occurred, as follows:

**Identifier**

**Keyword**

**01**

NO KEYWORD CAN BE DETERMINED

**02**

PGMNAME

**03**

KEY

**04**

CANCEL

**05**

NOCANCEL

**06**

SWAP

**07**

NOSWAP

**08**

PRIV

**09**

NOPRIV

**10**

DSI

**11**

NODSI

**12**

SYST

**13**

NOSYST

**14**

PASS

**15**

NOPASS

**16**

AFF

**17**

SPREF

**18**

LPREF

**19**

NOPREF

**22**

CRITICALPAGING

**23**

NOCRITICALPAGING

**24**

NODSI\_ALLOWBATCH

**25**

NOPASS\_ALLOWBATCH

**rc**

The reason code, as follows:

**Reason Code**

**Explanation**

**04**

A delimiter between keywords is either missing or misplaced.

**08**

The keyword is not valid.

**12**

Mutually exclusive keywords were specified.

**16**

The parameter is not valid.

**20**

A duplicate keyword is specified.

**24**

The keyword list is not valid.

**28**

A required program name is not specified.

**32**

The program name is not valid.

**36**

A duplicate keyword value is specified.

**40**

A right parenthesis is missing from the last keyword. In this case, the system accepts the PPT statement.

**44**

Specification of a key 9 PPT entry is not allowed if the hardware Subsystem Storage Protection feature is enabled.

**48**

The keyword cannot be specified with this program name.

**52**

The CRITICALPAGING keyword was specified with a program whose associated storage is not all paged in. To ensure that a program's associated storage is all paged in after dynamically changing its properties, the program should be ended and restarted, if possible.

**System action**

If IGNORED appears in the message, the system does not add the PPT entry to the PPT. If ACCEPTED appears, the system adds the entry to the PPT. In either case, processing continues.

**System programmer response**

Check the SCHEDxx parmlib member for the incorrect PPT statement. Correct the statement.

**Source**

Initiator/terminator

**Module**

IEFPPT



**Routing code**

2,10

**Descriptor code**

6,12

---

|                |   |
|----------------|---|
| <b>IEF732I</b> | <b>SCHEDxx LINE num: DUPLICATE PPT STMT FOR PGMNAME name<br/>IGNORED.</b> |
|----------------|---|

---

**Explanation**

The system found a program properties table (PPT) statement in the SCHEDxx parmlib member that contained a program name defined in a previous PPT statement.

In the message text:

**xx**  
The suffix of the SCHED parmlib member.

**num**  
The line number of the PPT statement containing the duplicate program name.

**name**  
The duplicate program name.

**System action**

The system ignores the second occurrence of the PPT statement.

**System programmer response**

Remove the PPT statement that contains the duplicate program name.

**Source**

Initiator/terminator

**Module**

IEFPPT

**Routing code**

10

**Descriptor code**

6

---

|                |  |
|----------------|--|
| <b>IEF734I</b> | <b>SCHEDxx LINE num:[RESTART NORESTART] [CODE cde STATEMENT]<br/>[IGNORED ACCEPTED]. REASON=kyrc</b> |
|----------------|--|

---

**Explanation**

During system initialization, the system found an error on a RESTART or NORESTART statement in the SCHEDxx parmlib member.

In the message text:

**xx**  
The suffix of the SCHED parmlib member.

***num***

The line number in SCHEDxx that contains the improperly formatted code

**STATEMENT**

The system was processing a statement.

**RESTART**

The system was processing a RESTART statement.

**NORESTART**

The system was processing a NORESTART statement.

***cde***

The first four characters of the first incorrect code.

***kyrc***

A decimal reason code, as follows:

**01rc**

The system found unexpected data.

**0108**

Unrecognizable keyword. The system ignores the statements.

**0128**

The keyword list is not valid. The system ignores the statement.

**0144**

The right keyword list delimiter is missing. The system processes the statement.

**0148**

The system encounters data following the right keyword list delimiter. The system processes the statement.

**02rc**

The system was processing the CODES keyword on either the RESTART or NORESTART statement.

**0216**

The value for the code is beyond the valid range. The system accepts the statement up to the incorrect code.

**0252**

The code already exists. The system accepts the statement up to the code being added.

**0256**

The system cannot find the code to be deleted. It accepts the statement up to the code being deleted.

**0260**

The keyword was previously specified on the statement the system is processing. The system accepts the statement up to the duplicate keyword.

**System action**

The system continues processing.

**Source**

Scheduler restart

**Module**

IEFRCSTP

**Routing code**

2,10

## Descriptor code

4

---

**IEF735I****IEFSSNyy: PRIMARY IGNORED. PREVIOUSLY SPECIFIED IN IEFSSNzz**

---

## Explanation

Two IEFSSNxx parmlib members specified a primary subsystem. The system accepts the first specified primary subsystem name and ignores any subsequent primary subsystem names.

In the message text:

### **IEFSSNyy**

The first parmlib member

### **IEFSSNzz**

The second parmlib member

## System action

The system continues processing.

## System programmer response

Check the SYS1.PARMLIB concatenation. Remove the duplicate entry.

## Source

Subsystem interface (SSI)

## Module

IEFJSIMW

## Routing code

2,10

## Descriptor code

4

---

**IEF736A****SPECIFY PRIMARY SUBSYSTEM NAME**

---

## Explanation

The IEFSSNxx parmlib member did not specify the primary subsystem name.

## System action

The system waits for the operator to enter a primary subsystem name.

## Operator response

Enter the correct primary subsystem name.

## Source

Subsystem interface (SSI)

## Module

IEFJSIMW

## Routing code

1

## Descriptor code

2

---

|                |   |
|----------------|---|
| <b>IEF737I</b> | <b>IEFSSNxx LINE <i>nnnn</i>: KEYWORD <i>keyword</i> IGNORED. NOT RECOGNIZED.</b> |
|----------------|---|

---

## Explanation

An incorrect keyword appeared in the IEFSSNxx parmlib member.

In the message text:

### **IEFSSNxx**

The parmlib member

### ***nnnn***

The line number containing the keyword in error

### ***keyword***

The incorrect keyword in the parmlib member

## System action

The system continues processing.

## System programmer response

Correct the incorrect keyword in the IEFSSNxx member.

## Source

Subsystem interface (SSI)

## Module

IEFJSIMW

## Routing code

2,10

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IEF738I</b> | <b><i>mem</i> LINE <i>num</i>: [RESTART NORESTART] STMT IGNORED. NO OPERANDS SPECIFIED.</b> |
|----------------|---|

---

## Explanation

During system initialization, the system was processing a RESTART or NORESTART statement in the SCHEDxx parmlib member. The statement is incorrect because it contains no operands.

In the message text:

**mem**

The SCHEDxx containing the incorrect statement

**num**

The line number on which the system found an incorrect statement

**RESTART**

The system was processing a RESTART statement.

**NORESTART**

The system was processing a NORESTART statement.

**System action**

The system continues processing.

**Source**

Scheduler restart

**Module**

IEFRCSTP

**Routing code**

2,10

**Descriptor code**

4

---

**IEF739D**

**CONFIGURATION CHANGE DELAYED DUE TO EXCESSIVE WAIT ON  
PREVIOUS EDT - REPLY 'WAIT' OR 'TERM'.**

**Explanation**

The system is delaying the configuration change requested in the ACTIVATE command because allocation requests are still using an eligible device table (EDT) from IPL or a previous configuration change. The allocation requests are waiting for MOUNTs or exclusive access to a shared device or data set. Before this message, the system issues one or more of the following messages: IEF690I, IEF235D, IEF488I, IEF458D, IEF863I, or IEF289E.

**System action**

The system delays the configuration change until the operator responds to this message. One of the following then occurs:

- If WAIT is specified in response to this message, the system continues waiting for the previous EDT to be freed before continuing with the configuration change request. After one minute, if the configuration change has not completed, this message will be reissued.
- If TERM is specified in response to this message, the system attempts to cancel the configuration change and back-out from the intermediate EDT to the original EDT.

Message IEF739D is issued while transitioning from the original EDT to the intermediate EDT, which means that the original EDT is the secondary EDT and the intermediate EDT is the primary EDT. All new allocation requests are directed to the intermediate EDT because it is the primary EDT.

When TERM is specified, the system switches back to the original EDT by changing the primary EDT to be the original EDT and the secondary EDT to be the intermediate EDT, so that all new allocation requests are directed

to the original EDT. Although the attempt to back-out the configuration change proceeds, all jobs that are using the intermediate EDT (now the secondary EDT) must release the secondary EDT before the configuration change is completely backed-out and the ACTIVATE completes. The DISPLAY IOS,CONFIG(EDT) command can be used to determine which EDT is the original and which is the intermediate.

Regardless of the EDT transition that is occurring, any jobs that use the secondary EDT will prevent the EDT transition from proceeding, whether the system is waiting for the configuration change to proceed, or waiting for the back-out of the configuration change to proceed. The DISPLAY IOS,CONFIG(EDT) command can be used to determine any allocation requests that are using the secondary EDT.

Remember that when replying TERM, the primary and secondary EDTs change. Once any allocation requests that are using the secondary EDT complete, the system completes the EDT transition.

For further information about EDT transitions, see the information on Eligible Device Tables in [\*z/OS MVS Diagnosis: Reference\*](#).

If backing-out the configuration change is delayed because of allocations using the secondary EDT after replying TERM, message IOS513E is issued.

## Operator response

Do one of the following:

- To continue waiting, satisfy all MOUNT requests and either continue to wait or cancel all jobs waiting for allocation. The previous messages identify these jobs, or issue 'DISPLAY IOS,CONFIG(EDT)' to determine the ASIDs and jobnames. Then reply WAIT to this message.
- If jobs currently waiting for allocation should not be cancelled and the configuration change has been waiting for some time, reply TERM to this message. This causes the system to attempt to end the ACTIVATE request and free system resources. However, the system cannot finish back-out processing until the intermediate EDT that was built is no longer in use. Upon replying TERM, this intermediate EDT becomes the secondary EDT. If the system later issues message IOS513E, issue D IOS,CONFIG(EDT) to determine the jobs and allocation requests that are still using the secondary EDT. It may be necessary to take additional actions, as described in message IOS513E, so that these jobs and allocation requests release the secondary EDT. Once those jobs and allocation requests have released the secondary EDT, the ACTIVATE command finishes backing-out the configuration changes and returns to the configuration that was active prior to the issuance of the ACTIVATE command.

If you end the configuration change, enter the ACTIVATE command again when jobs currently waiting for allocation have completed or have been cancelled.

## Source

Allocation

## Module

IEFECS07

## Routing code

1

## Descriptor code

2

---

IEF740I

*jobname [procstep] stepname ddname [+ xxx] - DATA SET/VOLUME*  
**COULD NOT BE RACF PROTECTED. RACF NOT ACTIVE**

## Explanation

The dynamic allocation protection key was specified or the PROTECT keyword was coded on the DD statement. The system could not provide the protection because Release 2 of the Resource Access Control Facility (RACF) was not installed or not active.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

If DASD data set or tape volume protection is required, contact the RACF administrator for assistance.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

6

---

**IEF741I** *jobname [procstep] stepname ddname[+ xxx] - PROTECT REQUEST  
FAILED - INVALID DATA SET/VOLUME SPECIFICATION*

## Explanation

The dynamic allocation protection key was specified or the PROTECT keyword was coded on the DD statement. The request did not meet the requirements as follows:

- If PROTECT was specified for a DASD data set, the data set must be a new, nontemporary data set. That is, the status of the data set is 'NEW' or 'MOD' treated as 'NEW'. Normal and abnormal dispositions if specified are other than DELETE, and the data set has a non-temporary data set name.

- If PROTECT was specified for a tape volume, the tape label specification must be SL, AL, SUL, AUL, or NSL. Both the file sequence count and volume sequence count must be set to one (except for NSL), or must default to one, and the tape volume must have a volume use attribute of PRIVATE. If the file sequence count or the volume sequence count is greater than one, the RACF TAPEDSN option must be active for successful processing.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ *xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Correct the data set or volume description on the DD statement. Resubmit the job.

## Source

Allocation

## Module

IEFAB4FD

## Routing code

11

## Descriptor code

6

**IEF742I**

***jobname [procstep] stepname* - STEP IN ALLOCATION BEFORE SYSTEM  
RESTART - NO AUTOMATIC RESTART**

## Explanation

The system did not run a step because the step was in allocation when the system restart operation was required.

In the message text:

***jobname***

The name of the job.



***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

**System action**

The system ends the job. The system does not issue message IEF450I when it issues this message.

**Programmer response**

The job may be resubmitted for deferred restart operation at the step that was in allocation. However, the data sets for the step must be verified because it is unknown how much allocation the system had done.

**Source**

Allocation

**Module**

IEFBB410

**Routing code**

11

**Descriptor code**

-

---

**IEF743I**

---

***jobname* FORCED - CODE SA22 - IN ADDRESS SPACE *asid***

---

**Explanation**

The operator entered a FORCE command. The system abnormally ended the job and address space with an abend code X'A22'. In the message text:

***jobname***

The name of the job.

If the jobname is not available and the START, MOUNT, or LOGON command was entered, then this field will appear as START, MOUNT, or LOGON. If the entered command cannot be determined, this field will appear as COMMAND.

***cm***

The command.

***asid***

The address space identifier.

**System action**

The job and address space end.

**Programmer response**

Resubmit the job.

## Source

Initiator/terminator

## Module

IEFIRECM

## Routing code

2

## Descriptor code

4,5,6

---

|                |   |
|----------------|---|
| <b>IEF751I</b> | <b><i>jobname [procstep] stepname - JOB FAILED BY SUBSYSTEM</i></b> |
|----------------|---|

---

## Explanation

A request to allocate one or more SUBSYS requests resulted in a step level error that the subsystem could not associate to a particular DD statement.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

## System action

The system ends the job. The subsystem issues a message describing the reason for failure following this message.

## Programmer response

Consult the subsystem message. Correct the error. Resubmit the job.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEF752I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - REQUEST FAILED BY SUBSYSTEM</i></b> |
|----------------|---|

---

## Explanation

The subsystem specified in the SUBSYS parameter failed allocation of a data set.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job. The subsystem issues a message describing the reason for failure following this message.

## Programmer response

Consult the subsystem message. Correct the error. Resubmit the job.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

-

---

**IEF753I** *jobname [procstep] stepname ddname[+ xxx] - REQUEST FAILED -*  
**SUBSYSTEM DOES NOT SUPPORT ALLOCATION**

## Explanation

The subsystem specified in a SUBSYS parameter does not support allocation of subsystem data sets.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

**System action**

The system ends the job.

**System programmer response**

If the name was correct, consult the subsystem documentation to determine if the subsystem supports allocation of subsystem data sets via the SUBSYS parameter.

**Programmer response**

Correct the wrong subsystem name.

**Source**

Allocation

**Module**

IEFAB427

**Routing code**

11

**Descriptor code**

-

---

**IEF754I**

*jobname [procstep] stepname ddname [+ xxx] - REQUEST FAILED -  
SUBSYSTEM IS NOT OPERATIONAL*

**Explanation**

A DD statement requested allocation of a subsystem data set, but the specified subsystem was not operational.

In the message text:

**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Ensure that the operator makes the subsystem operational on the processor on which the job will run. Resubmit the job.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEF755I</b> | <b><i>jobname [procstep] stepname ddname[+ xxx] - REQUEST FAILED</i></b><br><b>SUBSYSTEM DOES NOT EXIST</b> |
|----------------|---|

## Explanation

A DD statement requested allocation of a subsystem data set, but the subsystem is not defined to the system.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

**+ xxx**

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Programmer response

Ensure that the subsystem is installed on the processor on which the job will run.

## Source

Allocation

## Module

IEFAB427

## Routing code

11

## Descriptor code

—

**IEF756I**

***jobname [procstep] stepname ddname[+ xxx] - REQUEST FAILED -  
SYSTEM ERROR IN PROCESSING SUBSYS DD PARAMETER***

## Explanation

A system error occurred in the processing of a DD statement containing a SUBSYS parameter.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAB427, IEFAB4FJ

## Routing code

11/Note 36

## Descriptor code

-

---

**IEF757I****ILLEGAL DATA SET NAME ON DD STATEMENT**

## Explanation

The system found an incorrect data set name. The data set name cannot consist of any special characters created by the 12-4-9 multi-punch or in any other way that converts the value of each character to X'04'.

## System action

The system ends the job and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the data set name. Use other system functions to access the data set. For example, code an authorized program to read the job file control block (JFCB). Change the data set name in the JFCB to the data set name containing the 12-4-9 multipunch, be sure that JFCBNWRT is off in the JFCB, and issue an OPEN (TYPE=J) macro using the modified JFCB.

## Source

Interpreter

## Module

IEFVDA

## Routing code

2,10

## Descriptor code

4

---

**IEF758I****SUBSYSTEM AVAILABILITY LIMITED *text***

## Explanation

*text* is one of the following:

- IEFJSSNT NOT FOUND
- DESCRIPTION NOT FOUND IN SYS1.PARMLIB
- ABEND DURING SUBSYSTEM INITIALIZATION

One or more subsystems are unavailable.

In the message text:

**IEFJSSNT NOT FOUND**

The system could not find module IEFJSSNT in SYS1.LINKLIB or in a library concatenated to SYS1.LINKLIB via a LNKSTxx parmlib member.

**DESCRIPTION NOT FOUND IN SYS1.PARMLIB**

The system could not find one or more IEFSSNxx parmlib members, each naming one or more subsystems to be initialized.

**ABEND DURING SUBSYSTEM INITIALIZATION**

An ABEND occurred while the system was initializing one of the subsystems specified in IEFJSSNT or in an IEFSSNxx parmlib member.

**System action**

The system does the following when the following appears in the message text:

**IEFJSSNT NOT FOUND**

The system initializes the subsystems identified in module IEFJSSNT.

**DESCRIPTION NOT FOUND IN SYS1.PARMLIB**

The system initializes subsystems identified in the IEFSSNxx members that it did find. Other subsystems cannot be initialized.

**ABEND DURING SUBSYSTEM INITIALIZATION**

The system does no more subsystem initialization. The system writes an SVC dump.

In all three cases, other system initialization continues.

**System programmer response**

When the following text appears, do the following:

**IEFJSSNT NOT FOUND**

Determine why module IEFJSSNT could not be found.

**DESCRIPTION NOT FOUND IN SYS1.PARMLIB**

Ensure that the IEFSSNxx members appear correctly on the SSN= parameter of IEASYSxx.

**ABEND DURING SUBSYSTEM INITIALIZATION**

Obtain the SVC dump.

If the missing subsystems are required for your system processing, ask the operator to reIPL the system.

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Subsystem interface (SSI)

**Module**

IEFJSIMW

**Routing code**

2,10

**Descriptor code**

4

---

**IEF759I**

**[xxxx] SUBSYSTEM UNAVAILABLE, text**



## Explanation

*text* is one of the following:

- GETMAIN FAILED CODE=*y*
- ABEND DURING INITIALIZATION

One or more subsystems or the subsystem hash table (SHAS) is unavailable.

In the message text:

**xxxx**

The name of the unavailable subsystem.

### **GETMAIN FAILED CODE=*y***

The system requested virtual storage for a control block, but the request failed.

***y***

Identifies the failure. It is one of the following:

**1**

The unsuccessful GETMAIN was for a subsystem communication vector table (SSCVT) for the specified subsystem. The subsystem is unavailable.

**2**

The unsuccessful GETMAIN was for a subsystem vector table (SSVT) for the specified subsystem. The subsystem is defined to the system, but is unavailable for subsystem interface requests.

**3**

The unsuccessful GETMAIN was for storage to build the SHAS. The subsystems are available, but the SHAS is not. In this case, the xxxx field is blank.

**4**

The unsuccessful GETMAIN was for storage to re-build the subsystem allocation sequence table (SAST). Subsystems appearing in IEFSSNxx members are not available to process subsystem allocation requests. In this case, the xxxx field is blank.

### **ABEND DURING INITIALIZATION**

An abend occurred at one of the following points in system initialization:

- The system was initializing subsystem xxxx. The subsystem might be unavailable, depending on when the abend occurred.
- The system was running the initialization routine for subsystem xxxx. The subsystem may not be available, depending on when the abend occurred.
- The system was building the SHAS. Subsystems are available, but the SHAS is not. The xxxx field is blank.
- The system was rebuilding the SAST. If the rebuilding process was not complete when the abend occurred, subsystems specified in IEFSSNxx parmlib members are not added to the SAST and are not available for processing subsystem allocation requests. The xxxx field is blank.

## System action

If **ABEND DURING INITIALIZATION** appears in the message text, and the abend occurred while the system was initializing a subsystem, the system writes an ABEND dump. If the abend occurred during processing of an initialization routine the system writes an abend dump only if the initialization routine specifies it.

## System programmer response

If **GETMAIN FAILED CODE=*y*** appears in the message text, correct the GETMAIN macro and ask the operator to reIPL the system.

If **ABEND DURING INITIALIZATION** appears in the message text, obtain the ABEND dump if one was written.

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the abend dump if it is available.

## Source

Subsystem interface (SSI)

## Module

IEFJSIMW

## Routing code

2,10

## Descriptor code

4

---

**IEF760I**

**ERROR IN *memname*, CODE=yyyrc incorrect-record**

---

## Explanation

One of the parameters on a record in the specified parmlib member contains an error.

In the message text:

### ***memname***

The parmlib member containing the erroneous parameter.

### ***yyy***

The position of the incorrect parameter in the record. For example, if yyy is 003, the third parameter in the record is incorrect.

### ***rc***

A hexadecimal reason code that identifies the error:

#### **Code**

#### **Explanation**

##### **01**

A delimiter is missing.

##### **02**

A quotation mark is missing.

##### **03**

The parameter length is incorrect.

##### **04**

A required parameter is missing.

##### **05**

A field within single quotation marks should not be within quotation marks.

##### **06**

A subsystem name has a syntax error.

##### **07**

The number of parameters exceeds the maximum allowed.

##### **08**

A right parenthesis is missing.

##### **09**

A required item is missing.

##### **0A**

An item has incorrect parentheses.

##### **0B**

Records conflict.

**OC**

A keyword is incorrect.

**OD**

A duplicate keyword was specified.

***incorrect-record***

The first 70 characters of the record containing the error.

**System action**

The system issues this message for the first incorrect parameter on a record. The system does not check the rest of the record. The system ignores the erroneous record and continues with the next record.

**System programmer response**

Correct the parameter in error. If the information on the record is crucial to system processing, enter the command again. Then ask the operator to reIPL the system.

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Subsystem interface (SSI)

**Module**

IEFJSIMW

**Routing code**

2,10

**Descriptor code**

4

---

|                |   |
|----------------|---|
| <b>IEF761I</b> | <b><i>jobname [procstep] stepname ddname callername DD IS ALREADY<br/>ALLOCATED AND WILL BE USED BY THIS TASK</i></b> |
|----------------|---|

**Explanation**

The caller of the IEFPRMLB service passed a DDname that is already allocated.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The system will use the DD statement that is already allocated.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

Noye 13

## Descriptor code:

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|                |  |
|----------------|--|
| <b>IEF764I</b> | <b><i>jobname [procstep] stepname ddname callername</i> PARMLIB READ<br/>FAILED - MEMBER <i>membername</i> NOT FOUND</b> |
|----------------|--|

## Explanation

The member was not found in any of the data sets that make up the parmlib concatenation.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callername***

The name of the program or process that issued IEFPRMLB.

### ***membername***

The name of the parmlib member.

## System action

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Verify if the specified member exists in the logical parmlib or the data set specified on the DD statement used to allocate PARMLIB. If the member does exist, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IEF765I</b> | <i>jobname [procstep] stepname ddname callername</i> <b>PARMLIB READ<br/>FAILED FOR MEMBER <i>membername</i> DUE TO AN I/O ERROR.</b> |
|----------------|---|

---

## Explanation

There was an I/O error while attempting to read the specified parmlib member.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callername***

The name of the program or process that issued IEFPRMLB.

### ***membername***

The name of the parmlib member.

## System action

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Hardware Support and provide any diagnostic messages found in the system log or LOGREC records.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

**IEF766I**

---

*jobname [procstep] stepname ddname callname* PARMLIB READ  
FAILED FOR MEMBER *membername* DUE TO AN OPEN ERROR.

## Explanation

There was an error while attempting to open the logical parmlib.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callname***

The name of the program or process that issued IEFPRMLB.

### ***membername***

The name of the parmlib member.

## System action

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF767I**

*jobname [procstep] stepname ddname callname* **ALLOCATE FAILED  
FOR dsname**

## Explanation

There was an error while attempting to allocate one of the logical parmlib data sets.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callname***

The name of the program or process that issued IEFPRMLB.

### ***dsname***

The name of the data set which failed allocation.

## System action

The logical parmlib service unallocates any data sets that were successfully allocated as part of the logical parmlib.

## System programmer response

Examine the system log to determine if there are any messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF768I**

*jobname [procstep] stepname ddname callname* **CONCATENATION OF  
THE LOGICAL PARMLIB FAILED.**

## Explanation

The logical parmlib service failed while attempting to concatenate the logical parmlib data sets.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service unallocates the logical parmlib concatenation.

## System programmer response

Examine the system log to determine if there are any messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF769I**

***jobname [procstep] stepname callername* LOADING OF THE PARMLIB  
READ ROUTINE FAILED.**

## Explanation

The logical parmlib service failed while attempting to load the routine that reads a parmlib member.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.



**stepname**

The name of the job step.

**callername**

The name of the program or process that issued IEFPRMLB.

**System action**

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

**System programmer response**

Examine the system log to determine if there are any messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

**Programmer response**

Contact the system programmer.

**Source**

Allocation/Unallocation

**Module**

IEFPIS01

**Routing code**

11,Note 13

**Descriptor code**

4

---

|                |   |
|----------------|---|
| <b>IEF770I</b> | <b><i>jobname [procstep] stepname ddname callername</i> UNABLE TO ACCESS THE LOGICAL PARMLIB.</b> |
|----------------|---|

**Explanation**

The logical parmlib service failed while attempting to access the parmlib concatenation.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Hardware Support and provide any diagnostic messages found in the system log or LOGREC records.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IEF771I</b> | <b><i>dev</i> [PENDING] OFFLINE - {ASSIGNED TO ANOTHER SYSTEM  ASSIGN FAILED, RETURN CODE=<i>return-code</i>}</b> |
|----------------|---|

## Explanation

The system could not assign a device.

In the message text:

### ***dev***

The device number.

### **PENDING**

The device is marked pending offline, but remains allocated to this system. If PENDING is not in the message, the device is marked **offline** to this system.

### **ASSIGNED TO ANOTHER SYSTEM**

The device is assigned to another system and cannot be accessed by this system.

### **ASSIGN FAILED, RETURN CODE=*return-code***

The device could not be assigned because of an I/O error, as indicated by return code *return-code*. Possible values for *return-code* are:

#### **16**

A timeout occurred when the system was performing I/O to assign the device.

#### **20**

Either (1) a permanent I/O error occurred when the system was trying to assign the device, or (2) the device is currently boxed (forced offline).

## System action

If **ASSIGNED TO ANOTHER SYSTEM** appears in the message and the program to which the device is allocated tries to use it, this system will reject I/O to the device.

## Operator response

Notify the system programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFAUINT

## Routing code

2,3,10

## Descriptor code

4

---

**IEF772I**

*dev* **PENDING OFFLINE - MUST BE VARIED OFFLINE TO JES3**

## Explanation

A VARY OFFLINE command for a device failed because the device is managed by and online to JES3.

In the message text:

***dev***

The device number.

## System action

The system resets the device to online.

## Operator response

Enter a command to vary the device offline to JES3.

## Source

Allocation

## Module

IEFAB429

IEFAB4CB

## Routing code

-

## Descriptor code

5

---

IEF773I

TIOT SIZE = *xxxxK*, MAXIMUM SINGLE UNIT DD ENTRIES = *zzzzzzzz*

## Explanation

The message indicates the number of DD statements the system supports for each step.

In the message text:

***xxxxK***

The size of the task I/O table (TIOT), which the system programmer defined.

***zzzzzzzz***

The number of DD statements per job step.

## System action

The system continues processing.

## Source

Allocation

## Routing code

2

## Descriptor code

-

---

IEF775I

*jobname [procstep] stepname ddname callername* UNALLOCATION OF  
THE LOGICAL PARMLIB FAILED - NOT CLOSED.

## Explanation

The logical parmlib service failed while attempting to unallocate the logical parmlib because the logical parmlib was still open.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service does not unallocate the logical parmlib.

## System programmer response

If the program requesting the system to unallocate the logical parmlib is already attempting to close the logical parmlib prior to the call to the Logical Parmlib Service, examine the system log. If necessary, contact IBM Software Support. Otherwise, contact the owner of the program.

## Programmer response

If the program requesting the system to unallocate the logical parmlib is an installation program, change the program to close the logical parmlib before issuing IEFPRMLB to unallocate it. Otherwise, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

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|                |   |
|----------------|---|
| <b>IEF776I</b> | <b><i>jobname [procstep] stepname ddname callername</i> UNALLOCATION OF THE LOGICAL PARMLIB FAILED.</b> |
|----------------|---|

## Explanation

The logical parmlib service failed while attempting to unallocate the parmlib concatenation.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***callername***

The name of the program or process which invoked the Logical Parmlib Service.

## System action

The logical parmlib service attempts to unallocate as many of the concatenated parmlib data sets as possible.

## System programmer response

Examine the system log to determine if there are any messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

If the program requesting the system to unallocate the logical parmlib is an installation program, verify that the program is providing the correct DDname to the logical parmlib service. Otherwise, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

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|                |   |
|----------------|---|
| <b>IEF777I</b> | <b><i>jobname [procstep] stepname ddname callername</i> PARMLIB READ<br/>ROUTINE RECEIVED A BAD PARAMETER LIST.</b> |
|----------------|---|

## Explanation

The logical parmlib service attempted to read a specified parmlib member but passed an invalid parameter list to the read routine.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***callername***

The name of the program or process that invoked IEFPRMLB.

## System action

The logical parmlib service stops trying to read the parmlib member. If IEFPRMLB was issued with REQUEST=ALLOCATE and the DD statement was not allocated before IEFPRMLB was issued, the logical parmlib service unallocates the DD statement.

## System programmer response

Examine the system log to determine if there are messages that might assist in diagnosing the problem. If necessary, contact IBM Software Support and provide any diagnostic messages found in the system log.

## Programmer response

Contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF778I**

**FURTHER INFORMATION NOT PROVIDED BY SUBSYSTEM *ssnm***

## Explanation

The subsystem specified in the SUBSYS parameter failed the allocation of a dataset, as indicated by message IEF752I, or had a step level error, as indicated by message IEF751I. The subsystem returned to Allocation without providing a message describing the reason for the failure.

In the message text:

***ssnm***

The name of the subsystem.

## System action

The system ends the job.

## Operator response

If insufficient information is available to determine the reason for the failure, contact the owner of the subsystem. Otherwise, correct the error and resubmit the job.

## Source

Allocation

## Module

IEFAB427

## Routing code

Note 36

## Descriptor code

-

---

**IEF779I**

**dddd, VOLUME vvvvvv PENDING OFFLINE BY *callerid***

## Explanation

The device listed was varied offline by the specified requester, but the device could not be taken offline on the first attempt.

In the message text:

**dddd**

The device number.

**vvvvvv**

The volume serial number.

**callerid**

The caller ID that requested the device be varied offline.

## System action

The system will continue to try to take the device offline.

## Operator response

Verify that this device should be taken offline. If not, vary the device online.

## Source

Allocation

## Module

IEFAB429

## Routing code

\*,2,3,4,7,8,HRDCPY

## Descriptor code

4

---

**IEF781I**

***jobname [procstep] stepname callername* LIST BUFFER INPUT TO  
LOGICAL PARMLIB SERVICE IS NOT ACCESSIBLE.**

## Explanation

The logical parmlib service cannot access a buffer that it was passed.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***callername***

The name of the program or process that issued IEFPRMLB.

## System action

The logical parmlib service fails.



## System programmer response

Contact the owner of the program that calls the logical parmlib service.

## Programmer response

If the calling program is an installation program, change the program so its input read buffer is properly accessible to the logical parmlib service. Otherwise, contact the system programmer. Otherwise, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

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|                |  |
|----------------|--|
| <b>IEF783I</b> | <b><i>jobname [procstep] stepname callername</i> READ BUFFER INPUT TO LOGICAL PARMLIB SERVICE IS NOT ACCESSIBLE.</b> |
|----------------|--|

## Explanation

The logical parmlib service cannot access a buffer it was passed.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***callername***

The name of the program or process that issues IEFPRMLB.

## System action

The call to the logical parmlib service fails.

## System programmer response

Contact the owner of the calling program.

## Programmer response

If the calling program is an installation program, change the program so its input read buffer is properly accessible to the logical parmlib service. Otherwise, contact the system programmer.

## Source

Allocation/Unallocation

## Module

IEFPIS01

## Routing code

11,Note 13

## Descriptor code

4

---

**IEF786I**

**ERROR VERIFYING INTERNAL VOLUME LABEL *ser* ON DEVICE *dev***

## Explanation

A system error occurred while the system was verifying the internal volume label of a tape volume on a tape device.

In the message text:

### ***ser***

The volume serial number of the tape volume for which the verify attempt failed.

### ***dev***

The device number of the tape device where *ser* is mounted.

## System action

The system unloads the tape volume unless the verify was on behalf of a VARY command, and then requests an SVC dump. If the verify was on behalf of the VARY command, the volume is not unloaded.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SVC dump.

## Source

Allocation

## Module

IEFAB473

## Routing code

\*/3

## Descriptor code

4/5

---

**IEF787I**

***jobname stepname* - ERROR VERIFYING INTERNAL LABEL OF VOLUME  
*ser* ON DEVICE *dev*. ERROR READING LABEL.**

### Explanation

A read error occurred while verifying the internal volume label of a tape volume on a tape device.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***ser***

The volume serial number of the tape volume for which the verify attempt failed.

***dev***

The device number of the tape device where *ser* is mounted.

### System action

The system unloads the tape volume, places the volume in an error category (if it is a system-managed tape library volume), and then fails the allocation.

### System programmer response

Ensure that the tape is properly labeled.

### Source

Allocation

### Module

IEFAB49B

### Routing code

-

### Descriptor code

5

---

**IEF788I** *jobname stepname* - ERROR VERIFYING INTERNAL LABEL OF VOLUME  
*ser* ON DEVICE *dev*. INVALID LABEL TYPE.

### Explanation

As a result of a MOUNT command, a non-standard label tape volume was mounted on a system-managed tape library device, but non-standard labels are not supported for system- managed tape library devices.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***ser***

The volume serial number of the tape volume for which the verify attempt failed.

***dev***

The device number of the tape device where *ser* is mounted.

## System action

The system unloads the tape volume, places the volume in an error category, and then fails the MOUNT.

## System programmer response

Tell the storage administrator to either remove the non-standard labeled tape volume from the library or relabel it with a standard or ANSI label.

## Source

Allocation

## Module

IEFAB49B

## Routing code

-

## Descriptor code

5

**IEF789I**

---

***jobname stepname* - ERROR VERIFYING INTERNAL LABEL OF VOLUME  
*ser* ON DEVICE *dev*. SL TAPE MOUNTED BUT AL REQUESTED.**

## Explanation

An error occurred while the system was verifying the internal volume label of a tape volume on a tape device. ANSI label was specified but a standard label (SL) tape was mounted.

In the message text:

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

### ***ser***

The volume serial number of the tape volume for which the verify was done.

### ***dev***

The device number of the tape device where *ser* is mounted.

## System action

The system unloads the tape volume and fails the MOUNT command.

## Operator response

Correct the label type specified, and enter the MOUNT command again.

## Source

Allocation

## Module

IEFAB49B

## Routing code

-

## Descriptor code

5

---

**IEF790I**

***jobname stepname* - ERROR VERIFYING INTERNAL LABEL OF VOLUME  
*ser* ON DEVICE *dev*. AL TAPE MOUNTED BUT SL REQUESTED.**

## Explanation

An error occurred while the system was verifying the internal volume label of a tape volume on a tape device. Standard label was specified but an ANSI label tape was mounted.

In the message text:

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

### ***ser***

The volume serial number of the tape volume for which the verify was done.

### ***dev***

The device number of the tape device where *ser* is mounted.

## System action

The system unloads the tape volume and fails the MOUNT command.

## Operator response

Correct the label type specified, and enter the MOUNT command again.

## Source

Allocation

## Module

IEFAB49B

## Routing code

-

## Descriptor code

5

---

**IEF791I**

***jobname stepname* - ERROR VERIFYING INTERNAL LABEL *ser* ON  
DEVICE *dev*.**

## Explanation

A system error occurred while the system was verifying the internal volume label of a tape volume on a tape device on behalf of this job.

In the message text:

**jobname**

The name of the job.

**stepname**

The name of the job step.

**ser**

The volume serial number of the tape volume for which the verify attempt failed.

**dev**

The device number of the tape device where *ser* is mounted.

**System action**

The system unloads the tape volume and requests an SVC dump.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SVC dump.

**Source**

Allocation

**Module**

IEFAB49B

**Routing code**

-

**Descriptor code**

5

---

**IEF811I****DUPLICATE VERB AND LABEL *text*****Explanation**

*text* is one of the following:

- PRIOR TO THE FIRST EXEC
- WITHIN A STEP

In a JCL statement, the system found a verb and label that were duplicates of a verb and label on a previously specified JCL statement. Verb and label specification must be unique prior to the first EXEC statement and within steps.

In the message text:

**PRIOR TO THE FIRST EXEC**

The system found the duplicate verb and label in a JCL statement prior to the first EXEC statement.

**WITHIN A STEP**

The system found the duplicate verb and label in a JCL statement within a step.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the error, and resubmit the job.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

IEF812I

JCL USAGE LIMITED - SYSTEM ERROR

## Explanation

During converter/interpreter processing, the system found an unexpected system error. This error limited the use of JCL keywords or statements.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2

## Descriptor code

4

---

**IEF815I**

**INVALID HEXADECIMAL VALUE IN THE *parameter* FIELD**

---

## Explanation

In a JCL statement, the system found an alphabetic or special character in a parameter that can contain only hexadecimal characters.

In the message text:

***parameter***

The last correctly specified keyword preceding the error.

## System action

The system ends the job and scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Change the incorrect parameter value and submit the job again.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

**IEF817I**

**PARAMETER LENGTH LESS THAN MINIMUM ALLOWED IN THE  
*parameter* FIELD**

---

## Explanation

In a JCL statement, the system found a parameter shorter than the length permitted.

In the message text:

***parameter***

The last correctly specified keyword preceding the error.



## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Lengthen the parameter to at least the minimum length. Submit the job again.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

IEF818E

JCL USAGE LIMITED - *text*

## Explanation

*text* is one of the following:

- MODULE *name* NOT FOUND
- STORAGE UNAVAILABLE
- UNABLE TO SET UP RECOVERY ENVIRONMENT
- SYSTEM ERROR IN JCL INITIALIZATION

During system initialization, an error occurred that could limit use of JCL.

In the message text:

### **MODULE *name* NOT FOUND**

The system could not find a module in SYS1.LINKLIB.

#### ***name***

The module name.

### **STORAGE UNAVAILABLE**

The system could not obtain enough virtual storage.

### **UNABLE TO SET UP RECOVERY ENVIRONMENT**

The system could not establish a recovery routine.

### **SYSTEM ERROR IN JCL INITIALIZATION**

An abend occurred when the system tried to initialize the JCL definition tables for the system.

## System action

System initialization continues. The system may write an SVC dump. Some JCL jobs could fail because of unrecognized keywords or verbs, even though the keywords and verbs are correct.

## Operator response

Do the following:

- Notify the system programmer.
- After the system programmer fixes the problem, reIPL the system.

## System programmer response

If **MODULE *name* NOT FOUND** appears in the message, check SYS1.LINKLIB for the module. Correct the problem. Ask the operator to reIPL the system.

If **STORAGE UNAVAILABLE** appears in the message, enlarge the storage for the system. Then ask the operator to reIPL.

Otherwise, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Scheduler JCL facility (SJF)

## Module

IEFSJINT

## Routing code

1

## Descriptor code

11

---

IEF819I

**EXCESSIVE NUMBER OF POSITIONAL PARAMETERS IN  
SUBPARAMETER LIST IN THE *parameter* FIELD**

## Explanation

The system found a JCL statement with too many parameters in a subparameter list. A misplaced comma, a duplication, or a null operand field could cause such an error.

In the message text:

### ***parameter***

The last correctly specified keyword preceding the error. Note that a keyword must be followed by an equal sign to be considered correctly specified.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the error and submit the job again.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

IEF820I

**SPECIFIED NUMERIC LESS THAN MINIMUM ALLOWED IN THE  
*parameter* FIELD**

## Explanation

In a JCL statement, the system found a value of a parameter or subparameter that is less than the minimum value allowed.

In the message text:

### ***parameter***

The last correctly specified keyword preceding the error. Note that a keyword must be followed by an equal sign to be considered correctly specified.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the value and resubmit the job.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

**IEF823I** NUMBER OF LEVELS EXCEEDS MAXIMUM IN THE *parameter* FIELD

## Explanation

The system found that the number of qualification levels in a parameter exceeds the allowable limit.

In the message text:

### *parameter*

The last correctly specified keyword preceding the error. Note that a keyword must be followed by an equal sign to be considered correctly specified.

## System action

The system ends the job and scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check for excessive parentheses and submit the job again.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

**IEF824I** LENGTH OF LEVEL *xx* EXCEEDS *yy* IN THE *parameter* FIELD

## Explanation

The system found that the length of the qualification level within a parameter exceeds the allowable limit.

In the message text:

***xx***

The number of the level in error.

***yy***

The limit of the level.

***parameter***

The last correctly specified keyword preceding the error.

## **System action**

The system ends the job and scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## **System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## **Programmer response**

Check for duplicate or too much information in the level. Submit the job again.

## **Source**

Interpreter

## **Module**

IEFVJDTI

## **Routing code**

2,10

## **Descriptor code**

4

---

**IEF825I**

**INVALID CHARACTER IN THE *parameter* FIELD**

## **Explanation**

In a JCL statement, the system found a character within a qualification level that is not valid.

In the message text:

***parameter***

The last correctly specified keyword preceding the error. Note that a keyword must be followed by an equal sign to be considered correctly specified.

## **System action**

The system ends the job and scans the remaining JCL statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the character and submit the job again.

## Source

Interpreter

## Module

IEFVJDTI

## Routing code

2,10

## Descriptor code

4

---

**IEF861I** FOLLOWING RESERVED DATA SET NAMES UNAVAILABLE TO *jobname*

## Explanation

During initiation of a job, the job requested the use of one or more data sets that are currently unavailable. The data sets are reserved for other jobs currently running in the system. Message IEF863I follows, listing the data set names.

## System action

The system suspends processing of the job.

## Operator response

See the Operator Response for message IEF863I.

## System programmer response

See the System Programmer Response for message IEF863I.

## Source

Initiator/terminator and allocation/unallocation

## Module

IEFSD102

IEFGB4DC

## Routing code

11

## Descriptor code

-

---

**IEF863I** **DSN=***dsname* **jobname** **RC=***returncode* **RSN=***reasoncode* **FROM SERVICE**  
**servicename**

## Explanation

During initiation of a job, the system found that a data set is not available to the job named in preceding message IEF861I. This message appears for each data set that is not available.

In the message text:

### ***dsname***

The name of the data set that is not available.

### ***jobname***

The job name.

### ***returncode***

The hexadecimal return code from the named service. See [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for more information on the hexadecimal return code from the ENQ or ISGENQ service.

### ***reasoncode***

The hexadecimal reason code from the named service. See [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for more information on the hexadecimal reason code from the ENQ or ISGENQ service.

**Note:** The reason code for ENQ will most likely be X'00000000' since there are no reason codes associated with the ENQ service.

### ***servicename***

The name of the service used to perform global resource serialization for the data set name. This service will be either ENQ or ISGENQ. Refer to [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for information on ENQ or ISGENQ.

## System action

The system issues one of the following messages to explain the status of the job:

IEF099I  
IEF452I  
IEF458D

## Operator response

If the return code from the specified services indicates that another address space, job, or started task is using the data set (most commonly a return code X'04' from ENQ or return code X'04', reason code X'xxx0403' from ISGENQ), determine which address space, job, or started task is using the data set by issuing the following command:

```
D GRS,RES=(SYSDSN,dsname)
```

If applicable, wait for the data set to become available. If waiting for the data set to become available is not applicable, or for return codes other than X'04', contact the System Programmer and provide this information for instructions on how to proceed.

## System programmer response

See Operator Response. See the return code information listed in [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for the

named service and take action accordingly. Considering the output provided by the D GRS command, take one of the following actions:

- Wait for the data set to be released.
- Cancel the address space, job, or started task that is using the data set.
- Contact the owner of the address space, job or started task that is holding the data set for instructions on how to get the data set released.

## Source

Initiator/terminator and allocation/unallocation

## Module

IEFSD102, IEFGB4DC

## Routing code

11

## Descriptor code

6

---

**IEF864I** **DATA SET *dsname* ALREADY IN USE**

## Explanation

During processing of a TSO LOGON procedure, a data set was not allocated because another job or user has requested control of the data set. In most cases, the other job or user has allocated the data set with DISP=OLD or DISP=MOD. If the system detects that more than one data set could not be allocated, this message will be issued for each data set. This message is only issued to the terminal of the TSO user attempting to logon.

In the message text:

### ***dsname***

The name of the data set that was not available. This data set name can be an alias (alternate name).

## System action

The system issues one of the following messages to explain the status of the job:

IKJ56457I  
IEF211I  
IEF861I  
IEF863I

## Operator response

Determine which address space, job, or started task is using the data set by issuing the following command:

```
D GRS,RES=(SYSDSN,dsname)
```

If applicable, wait for the data set to become available, or contact the System Programmer.

## System programmer response

See Operator response. Considering the output provided by the D GRS command, take one of the following actions:



- Wait for the data set to be released.
- Contact the owner of the address space, job, or started task that is holding the data set to have the data set released.
- Cancel the address space, job, or started task that is using the data set.

**User response:**

Wait for the data set to become available and retry the logon process. If the error continues, contact the operator or system programmer.

**Source**

Initiator/terminator and allocation

**Module**

IEFSD102, IEFAB462

**Routing code**

n/a

**Descriptor code**

n/a

---

|                |  |
|----------------|--|
| <b>IEF874I</b> | <b><i>jjj proc sss ddname ALLC_OFFLN EXIT CHOSE "BRING DEVICE ONLINE"</i></b><br><b>WITHOUT SPECIFYING ANY DEVICE NUMBER</b> |
|----------------|--|

**Explanation**

An ALLC\_OFFLN installation exit tried to bring devices online, but failed to specify the device numbers of the devices to be brought online.

In the message text:

***jjj***

The name of the job.

***proc***

The name of the step in the procedure.

***sss***

The name of the job step.

***ddname***

The name of the DD statement.

**System action**

The allocation request fails.

**Programmer response**

Correct the ALLC\_OFFLN exit to specify device numbers when you specify the BRING DEVICE ONLINE option. See [z/OS MVS Installation Exits](#) for details on how to specify device numbers for devices that are to be varied online.

**Source**

Allocation

## Module

IEFAB48A

## Routing code

11

## Descriptor code

6

---

**IEF875I** *jobname [procstep] stepname ddname[+ xxx] ALLC\_OFFLN EXIT CHOSE*  
**"ISSUE WTOR" AND EXCLUDED ALL DEVICES IN THE DEVICE LIST**

## Explanation

An ALLC\_OFFLN installation exit requested to issue WTOR IEF238D, but also excluded all the devices in the device list.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***+ xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDGD ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system makes a last attempt to allocate the request, in the hope that an eligible device has become online and available. If that attempt fails, the allocation request fails and is handled as follows:

- For a batch (JCL) allocation, the job is cancelled.
- For a dynamic allocation, the request fails with error reason code X'0484'.

## Programmer response

Correct the ALLC\_OFFLN exit so that not all devices in the device list are excluded when the ISSUE WTOR option is specified. See [z/OS MVS Installation Exits](#) for details about how to exclude or not exclude devices from the device list.

## Source

Allocation

## Module

IEFAB48A

# Routing code

11

# Descriptor code

6

---

|         |  |
|---------|--|
| IEF876I | <i>jobname [procstep] stepname</i> JOB CANCELLED BY {VOLUME_ENQ}<br>INSTALLATION {POLICY EXIT} |
|---------|--|

# Explanation

A job was cancelled by either an allocation installation policy or an installation exit. This message is step-related whereas IEF336I is DD-related.

In the message text:

## VOLUME\_ENQ

An allocation request has to wait for a volume or a series of volumes.

# System action

The system cancels the job.

# System programmer response

If the cancellation is unexpected, verify the ALLOCxx and EXITxx members of the parmlib data set and verify the installation exit routines.

# Module

IEFAB421

# Routing code

11

# Descriptor code

-

---

|         |  |
|---------|--|
| IEF877E | <i>jobname</i> NEEDS <i>xxx</i> UNIT(S) FOR <i>stepname</i> <i>procname</i><br><i>ddname</i> [ + <i>zzz</i> ] [[FOR VOLUME(S): <i>ser</i> , [ <i>ser</i> , [, ..., <i>ser</i> ]] [SCRTCH- <i>nnn</i> ]<br>[PRIVAT- <i>nnn</i> ]]   [LIBRARY: <i>libname</i> LIBRARY STATUS: <i>status</i> ]]<br><i>state1</i> [ <i>dev</i> [ <i>dev</i> ... <i>dev</i> ]]: <i>state2</i> [ <i>dev</i> [ <i>dev</i> ... <i>dev</i> ]]: <i>staten</i> [ <i>dev</i> [ <i>dev</i> ... <i>dev</i> ]]: |
|---------|--|

# Explanation

For a DD statement, the system needs the indicated number of units to continue processing the job step.

In the message text:

## *jobname*

The name of the job.

## *stepname*

The name of the job step.

## *procname*

The name of the procedure.

**ddname**

The name of the DD statement.

**+ZZZ**

The relative position of a concatenated DD statement in relation to the first DD in the concatenated group.

**xxx**

The number of units needed by the DD statement.

**ser**

The volume serial number.

**SCRTCH-nnn**

The number of scratch volumes requested. SCRTCH is used when the dataset being created on the non-specific volume is temporary [DISP=(NEW,DELETE) or DSN=&&tempname].

**PRIVAT-nn**

The number of private volumes requested. PRIVAT is used for all other cases of non-specific volumes.

**libname**

The tape library name.

**status**

The tape library status. It can be one of the following:

**ONLINE**

Tape library is currently online.

**OFFLINE**

Tape library is currently offline. A library is offline if a VARY LIBRARY offline command has been issued and completed.

**PENDING OFFLINE**

Tape library is currently pending offline. A library is pending offline if a VARY LIBRARY command has been issued and has not yet completed.

**dev**

A list of the device numbers. If *dev* is preceded by an asterisk (\*), the device is pending offline. Device numbers may be represented as single devices (either offline or pending offline) (for example, 0274 or \*0274) or as ranges of devices (either offline or pending offline) (for example, 0274-0279 or \*0274-\*0279).

**state1, state2, ... state2**

Describes the state of all the listed devices. The possible states are: are:

**OFFLINE**

Eligible devices that are currently offline or pending offline because the operator issued a VARY offline command for the devices.

**OFFLINE, LIBRARY OFFLINE**

Eligible devices that are currently offline or pending offline because the operator issued a VARY offline command for the devices and because the tape library in which the devices reside is offline or pending offline.

**LIBRARY OFFLINE**

Eligible tape devices that are currently offline or pending offline only because the tape library in which the devices reside is offline or pending offline.

**CONFIGURATION OFFLINE**

Eligible devices that are currently offline or pending offline to the installation configuration because the configuration manager issued a VARY OFFLINE.

**CONFIGURATION OFFLINE, LIBRARY OFFLINE**

Eligible devices that are currently offline or pending offline to the installation configuration because the configuration manager issued a VARY OFFLINE and because the tape library in which the devices reside is offline or pending offline.

**NOT ACCESSIBLE**

Eligible devices that are currently offline because there are no paths to the devices.

**OFFLINE, NOT ACCESSIBLE**

Eligible devices that are currently offline because the operator issued a VARY offline command for the devices and because there are no paths to the devices.

**LIBRARY OFFLINE, NOT ACCESSIBLE**

Eligible tape devices that are currently offline because the tape library in which the devices reside is offline or pending offline and because there are no paths to the devices.

**OFFLINE, LIBRARY OFFLINE, NOT ACCESSIBLE**

Eligible devices that are currently offline because the operator issued a VARY offline command for the devices and because the tape library in which the devices reside is offline or pending offline and because there are no paths to the devices.

**CONFIGURATION OFFLINE, NOT ACCESSIBLE**

Eligible devices that are currently offline to the installation configuration because the configuration manager issued a VARY OFFLINE and because there are no paths to the devices.

**CONFIGURATION OFFLINE, LIBRARY OFFLINE, NOT ACCESSIBLE**

Eligible devices that are currently offline to the installation configuration because the configuration manager issued a VARY OFFLINE and because the tape library in which the devices reside is offline or pending offline and because there are no paths to the devices.

**Note:**

1. Message IEF877E indicates a device state only if there are devices in that device state. However, when more than one device state is included in IEF877E, the ordering of the included device states will be consistent across all issuances of IEF877E.
2. If the device number is preceded by an asterisk (\*), then the device is pending offline. A device is pending offline if a VARY LIBRARY,offline or a VARY device,offline command (either by the operator or the configuration manager) has been issued but has not yet completed.
3. The "LIBRARY: *libname* LIBRARY STATUS: *status*" line will not be displayed for new, single unit, ATL/VTs type allocation requests when an Allocated/Offline User Exit exists.

If the number of devices to be included in a single IEF877E would cause the message to contain more than 1,000 lines, one IEF877E will be issued containing the first 1,000 lines and a second IEF877E will be issued containing the remainder (or the next 1,000 lines if still more than 1,000 lines remain). Only one IEF238D will be issued. The operator may reply from any of the related IEF877E messages.

If it is necessary for the system to issue more than one IEF877E because there are more than 1000 lines, the device state description will indicate that it will be continued.

If the operator replies to message IEF238D with a device number, the device will be allocated to the job only if that device is eligible. The message sequence IEF877E and IEF238D will be repeated if there is another device offline or pending offline.

**Note:** A reply to message IEF238D of a device that is pending offline may result in that device being allocated to the request. The device will remain in the pending offline state. However, if an eligible device becomes available before the operator responds to IEF238D, that device will be allocated rather than the pending offline device that the operator indicates in the response.

In any system, a device listed in IEF877E could be allocated if the operator could vary its status from offline to online.

**System action**

The system may issue additional IEF877E messages if more than 1,000 lines is required to list all eligible devices. Following the last IEF877E for this request, the system issues IEF878I. Further action depends on the operator response to message IEF238D.

**Operator response**

Respond as indicated for message IEF238D.

To make devices available for allocation, do the following for each state:

**OFFLINE**

Reply to IEF238D with the desired device number.

**OFFLINE, LIBRARY OFFLINE**

Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**LIBRARY OFFLINE**

Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**CONFIGURATION OFFLINE**

Reply to IEF238D with the device number.

**CONFIGURATION OFFLINE, LIBRARY OFFLINE**

Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Reply to IEF238D with the device number.

**OFFLINE, NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Reply to IEF238D with the device number.

**LIBRARY OFFLINE, NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**OFFLINE, LIBRARY OFFLINE, NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**CONFIGURATION OFFLINE, NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Reply to IEF238D with the device number.

**CONFIGURATION OFFLINE, LIBRARY OFFLINE, NOT ACCESSIBLE**

Enter a VARY command to bring the path to the device online. Enter a VARY SMS library command to bring the library online. Reply to IEF238D with the device number.

**Note:** If a device listed as NOT ACCESSIBLE has no physical paths, it cannot be made usable by entering a VARY PATH command.

**Programmer response**

If the system failed the job, make any changes indicated by other messages. Submit the job again.

**Source**

Allocation

**Module**

IEFAB48A

**Routing code**

2

**Descriptor code**

3

---

**IEF878I****END OF IEF877E FOR *jobname stepname procname ddname* [+zzz .]****Explanation**

The system has issued one or more IEF877E messages. IEF878I indicates the last IEF877E has been issued for this allocation request.

In the message text:

***jobname***

The name of the job.

***stepname***

The name of the job step.

***procname***

The name of the procedure.

***ddname***

The name of the DD statement.

***+ZZZ***

The relative position of a concatenated DD statement in relation to the first DD in the concatenated group.

## System action

The system issues message IEF238D. Further action depends on the operator response to message IEF238D, which follows this message.

## Operator response

Respond as indicated for message IEF238D.

## Source

Allocation

## Module

IEFAB48A

## Routing code

2

## Descriptor code

3

---

**IEF879I**

***dddd* PENDING OFFLINE BY *callerid***

## Explanation

The device listed was varied offline by the specified requester, but the device could not be taken offline on the first attempt.

In the message text:

***dddd***

The device number.

***callerid***

The caller ID that requested the device be varied offline.

## System action

The system will continue to try to take the device offline.

## Operator response

Verify that this device should be taken offline. If not, vary the device online.

## Source

Allocation

## Module

IEFAB429

## Routing code

\*2,3,4,7,8,HRDCPY

## Descriptor code

4

---

IEF880I

*dddd* NOW OFFLINE BY *callerid* [-DEVICE IS BOXED]

## Explanation

In response to a VARY command, IEEVARYD request, or processing by a system service, a device has been placed offline. In the message text:

### ***dddd***

The device number.

### ***callerid***

The caller ID that requested the device be varied offline.

### **DEVICE IS BOXED**

The device was boxed because of a hardware I/O error, or VARY *dev*,OFFLINE,FORCE command processing, or CF CHP(xx),OFFLINE,FORCE command processing.

When the system boxes a device, these events occur:

- I/O on the device ends.
- Any new I/O requests result in permanent I/O errors.

## System action

Processing continues.

## Operator response

To recover a boxed device, proceed as follows:

1. In most cases, make the boxed device offline to all sharing systems.
2. Determine the cause for the boxing, and take any required hardware repair actions.

In the case of a broken device, the device must be repaired before proceeding to step “3” on page 428.

In the case of a broken control unit, the device should be used only over the other (good) control unit paths. The broken control unit may be repaired at a later time. Proceed to step “3” on page 428.

In the case of a broken channel, the device should be used only over other (good) channel paths. The broken channel may be repaired at a later time. Proceed to step “3” on page 428.

3. To bring the device online to allow the system programmer to verify the data on the boxed device, proceed with one of the following:



- a. If the device is offline and boxed (F-BOX), vary the device online using the following command:

VARY *dev*,ONLINE

- b. If the device is allocated and boxed (A-BOX), determine the users of the device using the following command:

DISPLAY U,,ALLOC,*dev*,1

Use your installation procedures to unallocate users of the device. You may have to cancel jobs or TSO/E users. If you cannot unallocate all users of the device (for example, a system task), then proceed to step “3.c” on page 429. Wait for the device to complete offline processing. Then vary the device online, using the following command:

VARY *dev*,ONLINE

For a boxed, allocated device, these actions are the preferred method for bringing the device online, as it allows the device to be taken offline before it is brought back online. This causes the operating system to perform VOLSER verification and path validation.

Proceed to step “4” on page 429 to verify the data on the volume.

- c. A device that is allocated and boxed, but not offline, may be brought online, using the following form of the VARY command:

VARY *dev*,ONLINE,UNCOND

**Note:** When this form of the command is used to bring the device online, the operating system does not verify the VOLSER.

4. Verify or repair the data, if necessary, or at least notify the owners of data on the volume. If a potential data integrity problem exists, the system programmer must check the data before the device is placed online to any system for starting productive work.

## System programmer response

Use the following tools to verify the data:

- LIST VTOC for VTOC
- IDCAMS with DIAGNOSE option for catalogs
- IDCAMS with VERIFY option for VSAM data sets

## Source

Allocation

## Module

IEFHBOFF

## Routing code

\*/2/3/4/7/8/Note 13

## Descriptor code

6

IEF881I

*cmd* COMMAND FOR DEVICE *devn* FAILED - ABEND *abcd*, REASON *rsn*

## Explanation

You issued a VARY OFFLINE or UNLOAD command, which the system processed asynchronously as a pending offline or unload. When the system attempted to complete the pending request, the module processing the request experienced multiple errors. The request is deleted.

In the message text:

### cmd

#### **VARY ONLINE**

Allocation was processing a VARY ONLINE command.

#### **VARY OFFLINE**

Allocation was processing a pending VARY OFFLINE command.

#### **UNLOAD**

Allocation was processing a pending UNLOAD command.

### devn

The device number to be unloaded, varied offline and varied online.

### abcd

The system abend code.

### rsn

The abend reason code.

## System action

The system continues processing.

## Operator response

Notify the system programmer.

## System programmer response

Obtain the system log and the abend dump, then contact the IBM Support Center.

## Source

Allocation

## Module

IEFHBOFF, IEFHBUNL, IEFHBONL

## Routing code

2, 3, 4, 8

## Descriptor code

6

---

**IEF882E**

*jobname [procstep] stepname IS WAITING FOR A REPLY TO pmsgid*

## Explanation

Message IEF238D, IEF433D or IEF434D was issued by the system. System resources, such as the SYSIEFSD.Q4 ENQ resource, are held while this WTOR is outstanding. The operator has not responded to the prompt, which might affect other system processes. This reminder message is issued every *n* seconds, where *n* is the value of REMIND\_INTV in ALLOCxx or as set by a SETALLOC command. If this value is 0, this message is not issued. If

there is no value in ALLOCxx or a SETALLOC command has not been issued to change the value, this message is issued every 90 seconds.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***pmsgid***

The message ID of a previous WTOR issued for this job step.

**System action**

The system continues to wait for a reply. VARY OFFLINE commands and new allocation requests by batch jobs and subsystems might be delayed.

**Operator response**

Respond to the original WTOR message.

**System programmer response**

Consider using the POLICY statements in the ALLOCxx parmlib member to automate responses to IEF238D and IEF433D and eliminate delays caused by these messages.

**Source**

Allocation

**Module**

IEFAB487 or IEFAB488

**Routing code**

1

**Descriptor code**

11

---

|                |   |
|----------------|---|
| <b>IEF883E</b> | <b><i>jobname [procstep] stepname</i> IS WAITING FOR DEVICE(S) WHILE<br/>HOLDING SYSTEM RESOURCES</b> |
|----------------|---|

**Explanation**

The operator responded WAIT/HOLD to messages IEF238D and IEF433D. This causes system resources to be held while waiting for another job to free a device for use by this job. This reminder message is issued every *n* seconds, where *n* is the value of REMIND\_INTV in ALLOCxx or as set by a SETALLOC command. If this value is 0, this message is not issued. If there is no value in ALLOCxx or a SETALLOC command has not been issued to change the value, this message is issued every 90 seconds.

In the message text:

***jobname***

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**System action**

The system continues to wait for a device to satisfy this allocation request. VARY OFFLINE commands and new allocation requests by batch jobs and subsystems may be delayed.

**Operator response**

If a delay in job processing or VARY OFFLINE commands is observed, consult the system programmer.

**System programmer response**

If a delay in job processing or VARY OFFLINE commands is observed while this message is outstanding, you can cancel and resubmit the job to clear the delay.

Consider using the POLICY statements in the ALLOCxx parmlib member to automate responses to IEF238D and IEF433D and eliminate slowdowns caused by the WAIT/HOLD function.

**Source**

Allocation

**Module**

IEFAB491

**Routing code**

1

**Descriptor code**

11

---

**IEF893I**

**CONCATENATE REQUEST FAILED - CORRESPONDING DSABS RESIDE  
IN BOTH ABOVE AND BELOW THE LINE STORAGE. CONSISTENT  
STORAGE LOCATIONS ARE REQUIRED.**

**Explanation**

A request has been made to dynamically concatenate 2 or more DD statements. One or more of the DD statements to be included in the concatenation had its DSAB residing in below-the-line storage and one or more of the DD statements to be included in the concatenation did not have its DSAB residing in below-the-line storage. In order for the system to honor the concatenation request, all DSABs corresponding to the requested DD statements must reside in below-the-line storage, or no DSABs corresponding to the requested DD statements must reside in below-the-line storage.

**Note:** All DSABs for batch allocated DD statements (JCL) reside in below-the-line storage. Dynamically allocated DD statements can request that their DSABs not reside in below-the-line storage by setting the S99DSABA indicator (along with the S99TIOEX indicator) or the S99DXACU indicator in the SVC 99 Request Block (S99RB).

**System action**

The system disallows the dynamic concatenation and returns dynamic allocation error reason code 04F0.

## Operator response

None.

## System programmer response

All DSABs for batch allocated DD statements (JCL) reside in below-the-line storage. Dynamically allocated DD statements can request that their DSABs not reside in below-the-line storage by setting the S99DSABA or S99DXACU indicator along with the S99TIOEX indicator in the SVC 99 Request Block (S99RB).

## Source

Allocation

## Module

IEFDB450

## Routing code

2

## Descriptor code

4

---

IEF894I

COMPONENT TRACE PARMLIB OPTION *optname* IS NOT VALID.

## Explanation

The system encountered an incorrect option in the CTIIEFxx parmlib member that had been specified on a prior TRACE CT command.

In the message text:

### ***optname***

The specified option that is incorrect.

## System action

The system does not start the requested component trace. Verification continues with the examination of the next option specified.

## Operator response

Contact the System Programmer.

## System programmer response

Examine the options specifications near the indicated character string for a misspelling or other error. Correct the error in the parmlib member before reissuing the command.

## Source

Allocation

## Module

IEFCTSSM

## Routing code

2

## Descriptor code

4

---

|         |  |
|---------|--|
| IEF895I | SYSIEFAL CTRACE DEFINITION FAILED. RC = <i>rc</i> , RSN = <i>rsn</i> . |
|---------|--|

---

## Explanation

The system could not define the SYSIEFAL component trace.

In the message text:

***rc***

The return code provided by the CTRACE DEFINE macro.

***rsn***

The reason code provided by the CTRACE DEFINE macro. See *z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN* for the explanation of the reason codes and return codes.

## System action

The system runs without the SYSIEFAL component trace.

## Operator response

Contact the System Programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFCTIT

## Routing code

-

## Descriptor code

4

---

|         |   |
|---------|---|
| IEF896I | UNABLE TO OBTAIN SYSIEFAL CTRACE BUFFER MAXIMUM SIZE OF <i>hexnum</i> BYTES |
|---------|---|

---

## Explanation

The system could not obtain the buffer to record the SYSIEFAL component trace.

In the message text:

***hexnum***

The maximum hexadecimal size of the trace buffer.

## System action

The system runs without the SYSIEFAL component trace.

## Operator response

Contact the System Programmer.

## System programmer response

Update the CTIIEFAL parmlib member with a smaller buffer size. Have the operator either re-IPL, or use the TRACE CT command to activate the new buffer size. See [z/OS MVS System Commands](#) for more information on how to use the TRACE CT command to activate the new buffer size.

## Source

Allocation

## Module

IEFCTIT

## Routing code

-

## Descriptor code

4

---

|         |   |
|---------|---|
| IEF897I | SYSIEFAL CTRACE DEFINITION FAILED USING CTIIEFAL. RC = rc, RSN = rsn. |
|---------|---|

---

## Explanation

The system could not define the SYSIEFAL component trace using the CTIIEFAL parmlib member.

In the message text:

**rc**

The return code provided by the CTRACE DEFINE macro.

**rsn**

The reason code provided by the CTRACE DEFINE macro. See [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) for the explanation of the reason codes and return codes.

## System action

The system will attempt to define the SYSIEFAL component trace without the CTIIEFAL parmlib member.

## Operator response

Contact the System Programmer.

## System programmer response

If the return and reason codes refer to a CTIIEFAL parmlib member error, correct the member and have the operator either re-IPL or use the TRACE CT command to use the correct member. Otherwise, search the problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation

## Module

IEFCTIT

## Routing code

-

## Descriptor code

4

---

IEF898I

*jobname stepname procstep ddname [+ xxx]* FAILED TO ALLOCATE -  
SPECIFIED ESOTERIC HAS TAPE AND NONTAPE DEVICES

## Explanation

Esoteric specified in the allocation request contains tape and nontape devices, such as TAPE and DASD. Tape allocation cannot determine how to satisfy the request.

In the message text:

### ***jobname***

The name of the job that made the request.

### ***stepname***

The name of the job step.

### ***procstep***

The name of the step in the procedure.

### ***ddname***

The name of the DD statement.

### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDGD ALL or OPTCD=B requests). See [z/OS MVS JCL User's Guide](#) for more information on GDG ALL or OPTCD=B requests when used within a set of concatenated data sets.

## System action

The system fails the request.

## Operator response

Change the JCL to request an esoteric that does not have mixed devices then resubmit the job. Alternatively, contact your System Programmer.

## System programmer response

Change the esoteric's definition in the IODF so that it will not mix TAPE and NONTAPE devices. Next activate the IODF and resubmit the request.

## Source

Allocation



**Module**

IEFAB482

**Routing code**

-

**Descriptor code**

-

---

**IEF900I****SYSTEM SYMBOLS WERE UPDATED FROM *memname*****Explanation**

The SETLOAD IEASYM command was processed successfully. This system's system symbols have been updated.

In the message text:

***memname***

The name of the LOADxx member that contained the information about IEASYMxx members.

**System action**

Processing continues.

**Operator response**

None.

**System programmer response**

None.

**Source**

Allocation

**Module**

IEFPSACT

**Routing code**

None.

**Descriptor code**

5

---

**IEF901I****SYSTEM SYMBOLS WERE NOT UPDATED FROM *memname. text*****Explanation**

The SETLOAD IEASYM command was not processed successfully.

In the message text:

***memname***

The name of the LOADxx member that contained the information about IEASYMxx members.

**text**

Indicates the reason that the command was not processed successfully and is one of the following:

**INSUFFICIENT STORAGE**

The system could not obtain the necessary storage to process the request.

**IEFPRMLB RETURN CODE=*retcode* REASON=*rsncode***

The IEFPRMLB service did not complete successfully. The return and reason code from the IEFPRMLB service are contained within the message text. For information on the IEFPRMLB service, see [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#).

**CHECK PRECEDING MESSAGES**

Previous messages, such as IEA012E and IEA013E identified the problem(s).

**NO IEASYM STATEMENT WAS FOUND**

The LOADxx member did not contain an IEASYM statement.

**System action**

Processing continues.

**Operator response**

Notify the system programmer.

**System programmer response**

Verify that you had identified a correct LOADxx member and that the referenced IEASYMxx parmlib members are correct.

**Source**

Allocation

**Module**

IEFPSACT

**Routing code**

None.

**Descriptor code**

5

---

**IEF910I****PARMDD DATA SET UNUSABLE.****Explanation**

The data set associated with the DDname specified on the EXEC statement PARMDD=keyword was opened but has properties that prevent its use. For example, a partitioned data set was specified without a member name.

**System action**

The job is terminated.

**Operator response**

None.

## System programmer response

None.

## Programmer response

Ensure that you have properly specified a data set that is one of the following:

1. A sequential data set with fixed or variable length records.
2. A partitioned data set member with fixed or variable length records.
3. An in-stream data set such as DD \* or DD DATA.
4. A USS file.

## Source

Initiator (IEF)

## Routing code

11

## Descriptor code

6

---

**IEF911I**

**EXCESSIVE USER PARAMETER STRING LENGTH.**

## Explanation

The data set associated with the DDname specified on the EXEC statement PARMDD=keyword contains a parameter string that exceeds 32760 bytes in length.

**Note:** If the error occurs for an instream data set, the excessive length may be caused by expansion due to symbolic substitution performed by the Job Entry Subsystem (JES).

## System action

The job is terminated.

## Operator response

None.

## System programmer response

None.

## Programmer response

Ensure that the parameter string that you supply in your parameter data set does not exceed 32760 bytes.

## Source

Initiator (IEF)

## Routing code

11

## Descriptor code

6

IEF990I

CANNOT DETERMINE VOLUME CORRESPONDING TO DEVICE *sdddd*

---

### Explanation

In processing a SETLOAD IPL command, the device used during IPL to locate the LOADxx member is no longer available. Therefore its required volume name cannot be determined, and the command cannot be processed successfully.

In the message text:

*sdddd* The subchannel set ID (s) and device number (*dddd*) of the device.

#### System action:

Processing of the SETLOAD IPL command ends.

#### Operator response:

Notify the system programmer.

#### System programmer response:

Determine the proper data set and volume for the LOADxx parmlib member and have the operator re-enter the command adding the DSNAME and VOLUME keywords with appropriate values.

#### Programmer response:

None.

#### Source:

Allocation (IEF)

#### Routing code:

-

#### Descriptor code:

5

---

## Chapter 3. IEFA messages

---

**IEFA001I**

***hh.mm.ss* ALLOC GROUPLOCKS**

***text* GROUP *g* HAS THE FOLLOWING DEVICE(S){*dddd* | *dddd-  
dddd*} ... JOBNAME ASID STATUS *job asid status* ...**

### Explanation

This message is displayed in response to a DISPLAY ALLOC,GRPLOCKS command. There can be multiple blocks of devices if more than one line is needed to display all devices. If more than one job has group lock information, then each job is displayed. There can also be multiple blocks of group information if there is more than one group with information to be displayed. If there is no group lock information, then the group information is not displayed.

*text* is one of the following messages (depending on the options ALL, CONTENTION/C, JOBNAME/J = *job*, DEVICE/D = *dddd*):

- DISPLAYING ALL GROUP LOCKS.
- DISPLAYING GROUP LOCKS FOR JOBS IN CONTENTION ONLY.
- DISPLAYING GROUP LOCKS FOR JOBNAME *job* ONLY.
- DISPLAYING GROUP LOCKS FOR DEVICE *dddd* ONLY.
- THERE ARE NO OWNERS/WAITERS FOR GROUP LOCKS.
- THERE IS NO GROUP LOCK CONTENTION FOUND.
- JOBNAME *job* IS NOT RUNNING OR AN OWNER/WAITER FOR ANY GROUP LOCKS.
- DEVICE *dddd* HAS NO OWNERS/WAITERS FOR ANY GROUP LOCKS.

In the message text:

***hh.mm.ss***

The hour (00-23), minute (00-59), and second (00-59) that the system issued this message.

***g***

The group number.

***dddd***

The device number.

***dddd-dddd***

A range of devices.

***job***

The job name.

***asid***

The ASID in which the job resides.

***status***

The status pertaining to group locks (either owner or server).

### System action

The system continues processing.

### Operator response

None.

## System programmer response

None.

## Source

MVS Device Allocation

## Module

IEFDAGRL

## Routing code

\*

## Descriptor code

5

---

**IEFA002I**

**DISPLAY ALLOC *commandname* COMMAND FAILED *text***

## Explanation

While processing the DISPLAY ALLOC command, the system detected an invalid value for a parameter. The message contains the name of the command in error.

*text* is one of the following messages (depending on the options JOBNAME/J = *job*, DEVICE/D = *dddd*):

- JOBNAME *job* IS NOT VALID.
- DEVICE *dddd* IS NOT VALID.

In the message text:

### ***commandname***

The name of the command in error.

### ***job***

The job name.

### ***dddd***

The device number.

## System action

The system rejects the command.

## Operator response

Correct the syntax error. Enter the command again. If the error recurs, contact the system programmer.

## System programmer response

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

MVS Device Allocation

## Module

IEFDAACT

## Routing code

\*

## Descriptor code

5

IEFA003I

*hh.mm.ss* ALLOC OPTIONS *text*

## Explanation

This message is displayed in response to a DISPLAY ALLOC,OPTIONS command. It can appear in multiple formats, and only applicable fields are displayed. For example, if the value of ALLC\_OFFLN policy is WTOR or CANCEL, the MAXNWAIT or POLICYNW parameter does not apply, and the message is not displayed.

*text* is as follows:

|            |                   |                                    |
|------------|-------------------|------------------------------------|
| SPACE      | PRIMARY:          | <i>n</i>                           |
|            | SECONDARY:        | <i>n</i>                           |
|            | DIRECTORY:        | <i>n</i>                           |
|            | MEASURE:          | {TRK CYL AVEBLK}                   |
|            | BLKLNTH:          | <i>n</i>                           |
|            | ROUND:            | {ROUND NOROUND}                    |
|            | PRIM_ORG:         | {CONTIG MXIG ALX NONCONTIG}        |
|            | RLSE:             | {RLSE NORLSE}                      |
| UNIT       | NAME:             | <i>group</i>                       |
|            | UNITAFF:          | <i>unit</i>                        |
|            | REDIRECTED_TAPE:  | {TAPE DASD}                        |
| TIOT       | SIZE:             | <i>n</i>                           |
| SDSN_WAIT  | WAITALLOC:        | {YES NO}                           |
| VOLUME_ENQ | POLICY:           | {WTOR CANCEL WAIT}                 |
| VOLUME_MNT | POLICY:           | {WTOR CANCEL}                      |
| SPEC_WAIT  | POLICY:           | {WTOR CANCEL <br>WAITHOLD WAITNOH} |
|            | MAXNWAIT:         | <i>n</i>                           |
|            | POLICYNW:         | {WTOR CANCEL}                      |
| ALLC_OFFLN | POLICY:           | {WTOR CANCEL <br>WAITHOLD WAITNOH} |
|            | MAXNWAIT:         | <i>n</i>                           |
|            | POLICYNW:         | {WTOR CANCEL}                      |
| CATLG_ERR  | FAILJOB:          | {YES NO}                           |
|            | ERRORMSG:         | {YES NO}                           |
| 2DGT_EXPDT | POLICY:           | {ALLOW WARN FAIL}                  |
| VERIFY_VOL | POLICY:           | {YES NO}                           |
| SYSTEM     | IEFBR14_DELMIGDS: | {LEGACY NORECALL}                  |
|            | TAPELIB_PREF:     | {EQUAL BYDEVICES}                  |
|            | REMIND_INTV:      | <i>intv</i>                        |
|            | TEMPDSFORMAT:     | {UNIQUE INCLUDELABEL}              |
|            | MEMDSENQMGMT:     | {ENABLE DISABLE}                   |
|            | BATCH_RCLMIGDS:   | {SERIAL PARALLEL}                  |
|            | SWBSTORAGE:       | {ATB SWA}                          |

In the message text:

### ***hh.mm.ss***

The hour (00-23), minute (00-59), and second (00-59) that the system issued this message.

### ***n***

An integer value in the valid range for the keyword. See [z/OS MVS Initialization and Tuning Reference](#) for valid values of keywords.

### ***group***

The group of devices onto which data sets are placed.

### ***unit***

The unit name on which the system is to place data sets when certain conditions apply. These conditions can be found in [z/OS MVS Initialization and Tuning Reference](#).

### ***intv***

The reminder interval for message IEF882E or IEF883E. It can be an integer 10 - 999, or 0 for no reminders.

## System action

The system continues processing.

## Operator response

None.

## System programmer response

None.

## Source

MVS Device Allocation

## Module

IEFDAPRM

## Routing code

\*

## Descriptor code

5

---

**IEFA004I**

***hh.mm.ss ALLOC IGDEINFO text info***

## Explanation

This message appears in response to a DISPLAY ALLOC,IGDEINFO command. It displays internal information about a given tape device.

In the message text:

### ***hh.mm.ss***

The hour (00-23), minute (00-59), and second (00-59) that the system issued this message.

### ***text***

Is one of the following:

- IGDE INFORMATION FOR DEVICE *device*
- IGDE NOT FOUND FOR DEVICE *device*

### ***info***

IBM internal information.

### ***device***

The requested device number.

## System action

The system continues processing.

## Operator response

None.



## System programmer response

None.

## Source

MVS Device Allocation

## Module

IEFDAIGD

## Routing code

\*

## Descriptor code

5

---

|                 |   |
|-----------------|---|
| <b>IEFA010I</b> | <b>SETALLOC COMMAND SUCCESSFUL <i>keyword</i> SET TO <i>value</i></b> |
|-----------------|---|

---

## Explanation

Allocation successfully processed a SETALLOC command to change the keyword to the specified value. Multiple values might be displayed if the SETALLOC command specifies more than one keyword to be changed.

In the message text:

### ***keyword***

The parmlib keyword specified in the command.

### ***value***

The keyword specified is assigned this value.

## System action

The system continues processing, using the parameters specified in the SETALLOC command. This affects only future allocation requests. If changing the TIOT SIZE keyword, it affects jobs that are started after the command has been processed.

## Operator response

None.

## System programmer response

None.

## Source

MVS Device Allocation

## Module

IEFSALLC

## Routing code

\*

## Descriptor code

5

---

**IEFA011I****SETALLOC COMMAND FAILED *reason***

---

## Explanation

While processing the SETALLOC command, the system detected an invalid value or use of a keyword. In the message text:

### ***reason***

One of the following reasons:

- *keyword value* IS NOT VALID.

An invalid value for a particular keyword. For example, if the user wants to set BLKLNTH to a value not in the range 0-65535 or if the user wants to set ROUND to a value other than round or noround.

- *keyword* MUST ALSO BE SET.

A keyword is dependent on setting other applicable keyword values at the same time and these keyword values were not set. For example, to set the value of SPEC\_WAIT POLICY to WAITNOH, the MAXNWAIT and POLICYNW keyword values must also be set in the same command for the new POLICY value to take effect.

- *keyword* MUST BE *value* TO SET *keyword*.

A keyword cannot be set unless it is applicable to the other current keyword value. For example, BLKLNTH cannot be set unless the value of MEASURE is AVEBLK.

## System action

The system rejects the command.

## Operator response

Correct the error. Enter the command again. If the error recurs, contact the system programmer.

## System programmer response

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

MVS Device Allocation

## Module

IEFSALLC IEFSAACT

## Routing code

\*

## Descriptor code

5

---

**IEFA050E*****jobname stepname [procname]* THE TCTIOT HAS REACHED 95% OF ITS  
MAXIMUM SIZE OF *yyyyyy***

---

## Explanation

Allocation found that the TCTIOT is approaching its maximum capacity. Usually, this situation occurs when the named job/jobstep allocated thousands of data sets or used a data class that allows for many candidate volumes. (For example, the data class has a high VOLCOUNT specification.)

### ***jobname***

The name of the job.

### ***stepname***

The name of the job step.

### ***procname***

The name of the procedure, if specified.

### ***yyyyyy***

The maximum size of the area, for example, 16MB.

## System action

While capacity remains in the table, the system takes no action. If the data area continues to approach its capacity, the system does not issue additional messages. When the named data area has filled, new dynamic allocation requests fail and might cause the job or subsystem to fail or to degrade performance. The system deletes the message if the usage falls below 90% or the job step ends.

## System programmer response

Check the documentation for the job or subsystem and determine if you can lower the limits to avoid filling the area completely and thus avoid allocation failures. For example, if the named job is a DB2 master address space, consider lowering the DB2 DSNMAX parameter. You might also need to reduce the number of volumes (VOLCOUNT) in the data class for the data sets that the job is using.

## Problem determination

Examine the data class for data sets that are being used by the job and lower the volume count or dynamic volume count if possible. (This change does not affect existing allocations that are done by the job, but helps with future allocations.) Take a dump of the address space, and use IPCS to see the outstanding allocations. Use this information to lower the limits on the job to avoid filling the named area.

## Source

Device Allocation

## Module

IEFDB4F8, IEFDB4F9, IEFIB660

## Routing code

1

## Descriptor code

7,11

---

**IEFA100I** *jobname {procstep} stepname ddname {+ xxx} ALLOCATION FAILED - SSMHONOR SPECIFIED text*

## Explanation

JCL specified SMSHONOR keyword on the UNIT parameter, but it was not consistent with other attributes of the request. The *text* indicates the reason for failure. *text* is one of the following:

### ON A NON-LIBRARY REQUEST

SMSHONOR is specified on a non-library request.

### AN INVALID UNIT

The UNIT field specified an incorrect unit name. It is not defined to the current system configuration, or a demand request to the unit being added to the configuration occurs before the dynamic configuration change completes.

In the message text:

#### ***jobname***

The name of the job that requested SMSHONOR.

#### ***procestep***

The name of the step in the procedure.

#### ***stepname***

The name of the step.

#### ***ddname***

The name of the DD statement.

#### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system ends the job.

## Operator response

None.

## System programmer response

None.

## Problem determination

See the *text* to determine why the request failed. If possible, correct the problem and resubmit the request.

## Source

MVS Device Allocation

## Module

IEFAB464

## Routing code

11/ Note 36

**IEFA101I**

---

***jobname {procstep} stepname ddname { + xxx} ALLOCATION FAILED –  
UNIT unitname IS text***

## Explanation

JCL specified SMSHONOR keyword on the UNIT parameter, but it was not consistent with other attributes of the request. The *unitname* indicates the UNIT NAME. The *text* indicates the reason for failure.

*text* is one of the following:

### **SPECIFIED BUT UNIT COUNT EXCEEDS 1**

The UNIT field specified a single device but the unit count is greater than one.

### **A BOXED DEVICE**

The UNIT field specified a single device but the device is boxed.

### **IN USE BY THE SYSTEM**

The UNIT field specified a single device but the device is in use by a system function.

### **A RESTRICTED DEVICE**

The UNIT field specified a single device but the device is marked restricted at system installation. Therefore, the device is not eligible for allocation.

### **NOT A TAPE DEVICE**

The UNIT field specified a single non-tape device.

### **NOT A LIBRARY DEVICE**

The device that the UNIT field specified is not a tape library device.

### **MARKED UNAVAILABLE**

The device that the UNIT field specified is marked unavailable for allocation.

### **NOT IN THE LIBRARY**

The UNIT field specified a single device that is not in the list of devices selected by SMS for the tape library request.

### **NOT AN ESOTERIC**

The UNIT field specified a unit name that is not an esoteric.

In the message text:

#### ***jobname***

The name of the job that requested SMSHONOR.

#### ***procestep***

The name of the step in the procedure.

#### ***stepname***

The name of the step.

#### ***ddname***

The name of the DD statement.

#### ***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

#### ***unitname***

The device name for a demand request that specified a particular device, or the esoteric / generic name on the input UNIT.

## System action

The system ends the job.

## Operator response

None.

## System programmer response

None.

## Problem determination

See the *text* to determine why the request failed. If possible, correct the problem and resubmit the request.

## Source

## MVS Device Allocation

## Module

IEFAB424

## Routing code

11/ Note 36

|          |  |
|----------|--|
| IEFA102I | UNABLE TO LOCATE <i>dsname</i> FROM PRIVATE CATALOG <i>cname</i> |
|----------|--|

### Explanation

When attempting to allocate the specified data set, the system determined that the data set was cataloged in a private catalog. However, the private catalog could not be allocated. This message appears for each failed catalog lookup, which might occur more than once per allocation.

In the message text:

***dsname***

The name of the data set requested.

***cname***

The name of the private catalog.

## System action

The system ends the job.

## Operator response

If this message appears while processing the Master Scheduler JCL, contact the system programmer. If this catalog resides on an offline volume, make the volume available to the system. Otherwise, contact the application programmer.

## System programmer response

If this message appears while processing the Master Scheduler JCL, this probably indicates the data set is cataloged in a private catalog. Catalog the data set in the Master Catalog for the system or change the Master Scheduler JCL to specify volume and unit information.

## Programmer response

If this catalog resides on an offline volume, have the operator make the volume available to the system. Otherwise, this might indicate that a data set is not cataloged properly. Correct the JCL to use a different data set or correct the catalog entry for the data set.

## Problem determination

The message text contains the data set and private catalog in error. See the appropriate response for corrective action.

## Source

Device Allocation (SC1B4)

## Module

IEFAB457 IEFAB469

## Routing code

11/ Note 36

## Descriptor code

-

---

**IEFA104I**

***dsn* CONTROL CHANGED TO SHR**

## Explanation

The named data set was accessed with OLD, NEW, or MOD in a previous step. In accordance with the current DISP parameter and the DSENQSHR specification, the data set control has been changed to shared. Other jobs can now share this data set with the current job.

In the message text:

### ***dsn***

The name of the data for which control is being changed.

## System action

The system changes the data set to shared control. Other jobs can now start accessing the data set if they also specify DISP=SHR.

## Operator response

None.

## System programmer response

None.

## Programmer response

None.

## Problem determination

None.

## Source

Device Allocation (SC1B4)

## Module

IEFAB4A6

## Routing code

Note 36

## Descriptor code

-

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|                 |   |
|-----------------|---|
| <b>IEFA105I</b> | <b><i>jobname [procstep] stepname ddname [+ xxxx] - DEVICE NOT FOUND IN EDL</i></b> |
|-----------------|---|

---

## Explanation

When attempting to allocate one or more requests, device allocation found that the device selected by JES3 was not found in the Eligible Device List (EDL).

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the step.

### ***+ xxxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +0000, but the value +0000 is never shown.

## System action

The system retries the allocation request(s) that failed, ignoring any device preferencing determined by the tape library. If the retry attempt is unsuccessful, the job fails and the system issues system message IEF003I and ABEND05C RC309.

## Operator response

None.

## System programmer response

If this message is accompanied by message IEF003I or ABEND05C RC309, see the explanation for that message and abend code.

## Programmer response

If this message is accompanied by message IEF003I or ABEND05C RC309, contact the system programmer. If message IEF003I or ABEND05C RC309 are not issued, then no action is necessary, but be aware that the system might have ignored device preferencing information and chosen a device that is not optimal for this request.

## Problem determination

None.



## Source

Device Allocation (SC1B4)

## Module

IEFAB422

## Routing code

11/ Note 36

## Descriptor code

-

---

**IEFA106I**

**DEVICE *dev* FOR MOUNT IS NOT IN DEVICE POOLS AVAILABLE TO  
ALLOCATION**

## Explanation

When attempting to allocate a library device for a MOUNT request, device allocation did not find it in any of the device pools returned by SMS. This could be because the media types of the device and volume requested are different.

In the message text:

***dev***

The name of the device.

## System action

MOUNT command is unsuccessful.

## Operator response

Resubmit the MOUNT command with a different device or a different volume.

## System programmer response

None.

## Programmer response

None.

## Problem determination

None.

## Source

Device Allocation (SC1B4)

## Module

IEFAB424

## Routing code

11

## Descriptor code

-

---

IEFA107I

*jobname procstep stepname ddname relpos* - DATA SET *dsname* NOT  
FOUND

## Explanation

In processing a DD statement, the system found one of the following:

- The data set name in the DSNAMES parameter did not contain all the levels of qualification, so that the system could not locate the cataloged data set.
- The data set name specified on the DCB parameter or on the REF subparameter of the VOLUME parameter was not cataloged or did not contain all the levels of qualification, so that the system could not locate the data set.
- The data set was not cataloged or passed.
- A level of index was either missing or incorrect in a generation data group (GDG).
- A step tried to receive a passed data set. However, the data set has been received as many times as it was passed.
- The DISP parameter specified MOD, SHR, or OLD on a DD statement requesting all levels of a GDG, but there are no levels.
- The DD statement requested a data set cataloged in a user catalog. The JCL did not contain a JOBCAT or STEPCAT DD statement.
- The SER subparameter of the VOLUME parameter specified an SMS-managed volume and the data set was not cataloged.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***relpos***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated through GDG ALL or OPTCD=B requests. The first data set of a concatenation would be +000, but the value +0000 is never shown.

### ***dsname***

The name of the data set.

## System action

The system ends the job.

## System programmer response

For a data set name of the form G0000V00, do the following:

1. Using IEHLIST, list all the data set names for that GDG.

2. Using IEHPROGM, rename the data sets in the same order as they exist, starting with G0001V00 or higher. Uncatalog the data sets using the original data set names, then catalog the data sets using the new names.

## Programmer response

Do one of the following:

- If the data set name was specified incorrectly, correct it.
- If the DCB or VOLUME parameters were incorrect, correct them.
- If the data set was not cataloged, either catalog it or, on the DD statement, specify the volume serial number of the volume on which the data set resides.
- If the DD statement was correct, recatalog the data set.
- If the data set name is of the form G0000V00, notify the system programmer.

## Source

Allocation

## Module

IEFAB456, IEFAB469

## Routing code

Note 36

## Descriptor code

-

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|                 |  |
|-----------------|--|
| <b>IEFA108I</b> | <b><i>jobname procstep stepname ddname.relpas</i> - PASSED DATA SET<br/>INFORMATION FOUND. MOD IS TREATED AS OLD</b> |
|-----------------|--|

## Explanation

The system found a DD statement that specified DISP=MOD. The system received a data set that was passed from a prior step in the job, and treats this data set as an old data set, where the data set exists and records are to be added to the end.

In the message text:

### ***jobname***

The name of the job.

### ***procstep***

The name of the step in the procedure.

### ***stepname***

The name of the job step.

### ***ddname***

The name of the DD statement.

### ***relpas***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated through GDG ALL or OPTCD=B requests. The first data set of a concatenation would be +000, but the value +000 is never shown.

## System action

The system allocates the passed data set.

## Programmer response

No action is required. However, if an error occurs later while using this data set, note that this message indicates that a prior step passed the data set to this step and is not creating the data set in this step.

## Source

Device Allocation (SC1B4)

## Module

IEFAB455

## Routing code

Note 36

## Descriptor code

-

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|                 |  |
|-----------------|--|
| <b>IEFA109I</b> | <b>CATALOG <i>cname</i> IS ALLOCATED BY JOBNAME <i>jname</i> FOR DATASET <i>dsname</i></b> |
|-----------------|--|

## Explanation

When attempting to allocate the specified data set, the system determined that it was necessary to allocate a user catalog to satisfy the request. The user catalog could not be allocated by CAS (CATALOG Address Space) and instead is allocated by the address space allocating the data set.

In the message text:

### ***cname***

The name of the catalog.

### ***jname***

The name of the job allocating the data set.

### ***dsname***

The name of the data set requested.

## System action

The system attempts to allocate the catalog to the current job. If the catalog is successfully allocated, it remains allocated by the job until the end of job. For system address spaces that never end, the catalog remains allocated for the life of the system.

## System programmer response

Although no action is necessary, it is preferred that user catalogs only be allocated by CAS. It is recommended that you take actions to prevent this from occurring in the future. For example, if the catalog resides on an offline volume, it might be necessary to ensure that the volume is online before submitting any job that needs the catalog, or for data sets that are needed during IPL processing before CAS is available, catalog them in the master catalog instead.

## Source

Device Allocation (SC1B4)

**Module**

IEFAB457, IEFAB469

**Routing code**

2

**Descriptor code**

12

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|                 |                                      |
|-----------------|--------------------------------------|
| <b>IEFA110I</b> | <b>DATA SET CONTENTION</b>           |
|                 | <b>DATA SET <i>dsn</i> IN USE BY</b> |
|                 | <b>SYSNAME JOBNAME ASID</b>          |
|                 | <i>sysname jobname asid</i>          |
|                 | <b>SOME OWNERS SUPPRESSED</b>        |

**Explanation**

Dynamic Allocation processing determined that the requested data set is allocated to another job, and is unavailable to satisfy this request. This message indicates the job(s) that have the data set allocated.

In the message text:

- dsn***  
The name of the data set
- sysname***  
The name of the system where the job is running that is using the data set.
- jobname***  
The name of the job that is using the data set.
- asid***  
The ASID of the job that is using the data set.

**SOME OWNERS SUPPRESSED**

Indicates that the output was truncated because there were more data set owners than the system could include in the message. This line is not issued if all of the data set owners are included in the message.

**System action**

The dynamic allocation request fails with error code 0210. Message IKJ56225I is also issued.

**Operator response**

None.

**System programmer response**

None.

**Programmer response**

See the documentation for DYNALLOC Error Reason Code '0210'X.

**Source**

Device Allocation (SC1B4)

## Module

IEFGB4DC

## Routing code

11

## Descriptor code

-

---

**IEFA111I**

***jobname* IS USING THE FOLLOWING JOB RELATED SETTINGS:  
GDGBIAS = *gdgbiasv*, TIOT SIZE = *tiotsizeK*, DSENQSHR=*dsenqv*,  
SWA=*swav***

## Explanation

This message describes selected settings that are used for the job. These settings might come from several different sources, such as the JOB statement, the job class attributes, ALLOCxx settings, or system defaults.

**Note:** For jobs started under the MSTR Subsystem, SUB=MSTR, some of these parameters are determined by the system and are currently not tunable.

This message is only issued if MSGLEVEL=(,1) is in effect for this job.

In the message text:

### ***jobname***

The name of the job.

### ***gdgbiasv***

The value of the GDGBIAS setting, which is retrieved from the GDGBIAS keyword on the JOB statement or the GDGBIAS attribute of the job class.

### ***tiotsize***

The size of the TIOT used for this job in kilobytes. In most cases, this is derived from the TIOT SIZE statement in the ALLOCxx member of Parmlib.

### ***dsenqv***

The value of the DSENQSHR setting to be used by this job, as derived from the JOB statement and the DSENQSHR attribute of the job class. A value of ALLOW indicates that the system may change the serialization of a data set to shared control, and a value of DISALLOW indicates that the system does not change the serialization of a data set from exclusive to shared control.

### ***swav***

Indicates whether SWA is to be obtained ABOVE the 16M line, or BELOW the 16M line, as determined by the SWA attribute of the job class.

## System action

None.

## Operator response

None.

## System programmer response

None.

## Problem determination

None.

## Source

Device Allocation (SC1B4)

## Module

IEFBB401

## Routing code

Note 36

## Descriptor code

-

## Automation

None.

**IEFA112I**

---

*jobname procstep stepname ddname relpos -*  
**PATH NOT FOUND:**  
*pathname +*  
*pathname*

## Explanation

In processing a DD statement, the system found that the pathname specified in the PATH parameter could not be found.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname***

The name of the DD statement.

***relpos***

The relative position of a dataset within a concatenation of data sets, including all data sets implicitly concatenated through GDGALL or OPTCD=B requests. The first data set of a concatenation would be +000, but the value +000 is never shown.

***pathname***

The pathname that could not be found. If the pathname is too long to fit on one line, it is continued on as many subsequent lines as needed. A + at the end of the line denotes a pathname that continues on subsequent line(s).

## System action

The system ends the job.

## Operator response

None.

## System programmer response

None.

## Programmer response

Correct the path name and run the job again.

## Problem determination

None.

## Source

Device Allocation (SC1B4)

## Module

IEFAB456, IEFAB469

## Routing code

Note 36

## Descriptor code

-

## Automation

None.

---

**IEFA113I**

**DASD DEVICE *devnum* NOT VARIED ONLINE - VOLUME  
INITIALIZATION HAS NOT BEEN COMPLETED**

## Explanation

The system detected that initialization for a direct access storage device (DASD) initialization has not completed successfully. The volume cannot be varied online until it has been properly initialized. For more information, see the INIT command in *Device Support Facilities (ICKDSF) User's Guide and Reference*.

In the message text:

***devnum***

The direct access storage device.

## System action

The system leaves the requested device offline.

## Operator response

Notify the system programmer to properly initialize the volume. If this message was issued due to a VARY online command, select another device. If this message was issued due to a response to an IEF238D message, either reply to the IEF238D message with another device from the list displayed by previous IEF448I, IEF877E, or IEF878I messages, or reply CANCEL to cancel the job.



## System programmer response

Ensure that the device is initialized appropriately. Look at the output from the ICKDSF INIT command as to why the initialization did not complete successfully. Reinitialize the volume so that it can be brought online. For more information, see the INIT command in *Device Support Facilities (ICKDSF) User's Guide and Reference*.

### Source

Device Allocation

### Module

IEFAB4F8

### Routing code

4 / \*

### Descriptor code

4 / 5

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|                 |   |
|-----------------|---|
| <b>IEFA114I</b> | <i>jobname {procname} stepname ddname {+ xxx} - SMSHONOR UNIT<br/>unitname IGNORED - text</i> |
|-----------------|---|

---

### Explanation

During allocation processing, a system-managed tape request is associated with one or more tape storage groups that have SMSHONOR specified (as part of the description field for the tape storage group) and a warning condition is detected. Allocation processing ignores the device or esoteric (*unitname*) that is associated with SMSHONOR and reverts to the full list of eligible devices. The text indicates the reason for failure.

Text is one of the following:

#### **UNIT NOT VALID**

The device or esoteric associated with the tape storage group is an incorrect unit name. It is not defined to the active system configuration, or the change to the system configuration is not complete.

#### **INCONSISTENT UNITS**

During a scratch allocation request, more than one tape storage group is assigned through the SMS ACS routines and the usage of SMSHONOR (and the specified device or esoteric, or both) is not consistent across the tape storage groups. If SMSHONOR is being used, all assigned storage groups need to use SMSHONOR and with the same unit information.

#### **NO DEVICE INTERSECTION**

There is no device intersection between what is associated with SMSHONOR (the specified device or esoteric) and what SMS considers eligible for the request.

#### **DEVICES MARKED UNAVAILABLE**

All of the devices from the intersected list are previously marked unavailable by using the VARY XXXX,UNAVAILABLE operator command.

#### **UNIT COUNT EXCEEDS 1**

A device is associated with the tape storage group, but a unit count greater than one is specified on the allocation request.

#### **DEVICE IS BOXED**

A device is associated with the tape storage group, but the device is boxed.

#### **DEVICE IN USE BY SYSTEM**

A device is associated with the tape storage group, but the device is in use by a system function.

#### **DEVICE RESTRICTED**

A device is associated with the tape storage group, but the device is marked as restricted for allocation.

**NOT A TAPE DEVICE**

A device is associated with the tape storage group, but the device is not a tape device.

**NOT A LIBRARY DEVICE**

A device is associated with the tape storage group, but the device is not a tape library device.

In the message text:

***jobname***

The name of the job that requests SMSHONOR.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname***

The name of the DD statement.

***+xxx***

The relative position of a data set within a concatenation of data sets, including all data sets implicitly concatenated (through GDG ALL or OPTCD=B requests). See *z/OS MVS JCL User's Guide* for more information about GDG ALL or OPTCD=B requests when used within a set of concatenated data sets. The first data set of a concatenation would be +000, but the value +000 is never shown.

***unitname***

The unit name (device or esoteric) that is associated with the assigned tape storage group. If the reason for the failure is "INCONSISTENT UNITS", the unit is displayed as "N/A".

**System action**

The system continues to process the allocation request and ignores the SMSHONOR specification associated with the tape storage group.

**Operator response**

None.

**System programmer response**

Verify with your storage administrator that the SMSHONOR specification in the assigned storage group is correct.

**Programmer response**

See the text to determine why the SMSHONOR request is ignored. If possible, correct the problem and resubmit the request.

**Source**

MVS Device Allocation

**Module**

IEFAB424

**Routing code**

11/ Note 36

**Descriptor code**

-

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|                 |  |
|-----------------|--|
| <b>IEFA150I</b> | <b>Error in parmlib member=<i>memname</i> on line <i>line-number</i> position <i>position-number</i>:<br/>{OLD   NEW} data set <i>dsn</i><br/>is a system LNKLST data set.</b> |
|-----------------|--|

## Explanation

The OLD and NEW data sets within an IEFOPZxx parmlib member may not be any of the data sets identified by the PROGxx SYSLIB statement as being automatically part of the LNKLST, or the defaults for those data sets. These default to SYS1.LINKLIB, SYS1.MIGLIB, SYS1.CSSLIB, SYS1.SIEALNKE, SYS1.SIEAMIGE.

In the message text:

### ***memname***

The name of the parmlib member in which the error was found.

### ***line-number***

The number of the line in parmlib member *memname* containing the error.

### ***position-number***

The position of the error in the line. The position is the number of columns in from the left.

### ***dsn***

The data set name.

## System action

The OLDNEW specification is considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

## Operator response

Notify the system programmer.

## System programmer response

Correct the parmlib member. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None.

## Descriptor code

12 (during IPL), 5 (SET IEFOPZ command)

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|                 |  |
|-----------------|--|
| <b>IEFA151I</b> | <b>Error in parmlib member=<i>memname</i> on line <i>line-number</i>:<br/>{NEW   OLD} data set <i>dsn</i><br/>matches OLD data set in parmlib member=<i>memname2</i> on line <i>line-number2</i></b> |
|-----------------|--|

# Explanation

Within an IEFOPZxx parmlib member, a data set specified by the NEW or OLD parameter within an IEFOPZxx parmlib member may not be the same as a data set specified by another OLD parameter.

In the message text:

**memname**

The name of the parmlib member in which the error was found.

**line-number**

The number of the line in parmlib member *memname* containing the error.

**memname2**

The name of the parmlib member containing the matching data set name

**line-number2**

The number of the line in parmlib member *memname2* containing the matching data set name

**dsn**

The data set name.

# System action

Both of these specifications are considered in error and are not included in the resulting IEFOPZ configuration.

# Operator response

Notify the system programmer.

# System programmer response

Correct the parmlib member. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

# Source

Allocation (IEF)

# Module

IEFOPZ

# Routing code

None

# Descriptor code

12 (during IPL), 5 (SET IEFOPZ command)

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|                 |   |
|-----------------|---|
| <b>IEFA152I</b> | <b>Error in parmlib member=<i>memname</i> on line <i>line-number</i>:<br/>NEW data set <i>dsn</i><br/>is ARCH <i>arch</i> which matches the ARCH of an earlier NEW data set</b> |
|-----------------|---|

# Explanation

Within an IEFOPZxx parmlib member, a data set specified by the NEW parameter within an IEFOPZxx parmlib member specified the same ARCH value as another NEW data set within the same OLDNEW.

In the message text:

**memname**

The name of the parmlib member in which the error was found.

**line-number**

The number of the line in parmlib member *memname* containing the error.

**dsn**

The data set name.

**arch**

The ARCH value.

**System action**

The OLDNEW specification is considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

**Operator response**

Notify the system programmer.

**System programmer response**

Correct the parmlib member. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

12 (during IPL), 5 (SET IEFOPZ command)

---

|                 |   |
|-----------------|---|
| <b>IEFA153I</b> | <b>Error in parmlib member=<i>memname</i> on line <i>line-number</i> position <i>position-number</i>:<br/>No NEW data set was provided for OLDNEW statement<br/>with OLD data set <i>dsn</i>.</b> |
|-----------------|---|

**Explanation**

Within an IEFOPZxx parmlib member, the OLDNEW specification did not contain a NEW data set specification.  
In the message text:

**memname**

The name of the parmlib member in which the error was found.

**line-number**

The number of the line in parmlib member *memname* containing the error.

**position-number**

The position of the error in the line. The position is the number of columns in from the left.

***dsn***

The data set name.

**System action**

The OLDNEW specification is considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

**Operator response**

Notify the system programmer.

**System programmer response**

Correct the parmlib member. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

12 (during IPL), 5 (SET IEFOPZ command)

---

**IEFA154I**

**Error in parmlib member=*memname* on line *line-number* position *position-number*:  
No NEW data set matching MAXARCH was provided for OLDNEW statement  
with OLD data set *dsn*.**

**Explanation**

Within an IEFOPZxx parmlib member, the OLDNEW specification contained one or more NEW data set specifications, but all identified an ARCH level greater than the MAXARCH level.

In the message text:

***memname***

The name of the parmlib member in which the error was found.

***line-number***

The number of the line in parmlib member *memname* containing the error.

***position-number***

The position of the error in the line. The position is the number of columns in from the left.

***dsn***

The data set name.

**System action**

The OLDNEW specification is considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

**Operator response**

Notify the system programmer.

**System programmer response**

Correct the parmlib member either to specify another NEW data set or a different ARCH level or a different MAXARCH value. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

12 (during IPL), 5 (SET IEFOPZ command)

|                 |   |
|-----------------|---|
| <b>IEFA155I</b> | <b>IEFOPZ processing is ignored because the LNK system parameter is being used.</b> |
|-----------------|---|

**Explanation**

The SET IEFOPZ command was issued but the IPL had used the LNK system parameter.

**System action**

IEFOPZ processing is not done.

**Operator response**

Notify the system programmer.

**System programmer response**

Change to use the PROG system parameter and the PROGxx parmlib member. The CSVLNKPR exec provided in SYS1.SAMPLIB can help to convert a LNKLSTxx parmlib member to a PROGxx parmlib member. Have the operator re-IPL.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

## Routing code

None

## Descriptor code

12 (during IPL), 5 (SET IEFOPZ command)

---

**IEFA156I**

**Error in parmlib member=*memname* on line *line-number*:  
DDNAME/JOBNAME pair *ddname/jobname* is a duplicate of an earlier  
pair.**

## Explanation

Within an IEFOPZxx parmlib member, a DDNAME/JOBNAME pair matched another DDNAME/JOBNAME pair.

In the message text:

### ***memname***

The name of the parmlib member in which the error was found.

### ***line-number***

The number of the line in parmlib member *memname* containing the error.

### ***ddname***

The DDNAME.

### ***jobname***

The JOBNAME.

## System action

The duplicate DDNAME/JOBNAME specification is considered in error. If KeepOnError(VALID) is in effect, the duplicate DDNAME/JOBNAME specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

## Operator response

Notify the system programmer.

## System programmer response

Correct the parmlib member either to specify another NEW data set or a different ARCH level or a different MAXARCH value. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

12 (during IPL), 5 (SET IEFOPZ command)



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**IEFA157D**

**IEFOPZ processing is ignored because the LNK system parameter is being used. Reply C to continue.**

**Explanation**

Both the IEFOPZ and LNK system parameters were used. IEFOPZ processing is not done when that is the case.

**System action**

The system continues processing.

**Operator response**

Respond “C” to have the IPL continue without IEFOPZ processing. Notify the system programmer.

**System programmer response**

Change to use the PROG system parameter and the PROGxx parmlib member. The CSVLNKPR exec provided in SYS1.SAMPLIB can help to convert a LNKLSTxx parmlib member to a PROGxx parmlib member. Have the operator re-IPL.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

12

---

**IEFA159I**

**Error in parmlib member=*memname* on line *line-number* position *position-number*:  
NEW data set *dsn* is ARCH *aa* which is less than the OWNER o  
MINARCH of *ma*.**

**Explanation**

Within an IEFOPZxx parmlib member, the NEW specification for data set *dsn* specified an ARCH level that was less than the minimum ARCH level supported by the identified OWNER. That MINARCH level would have been specified on a MINARCH statement within an IEFOPZxx parmlib member.

In the message text:

***memname***

The name of the parmlib member in which the error was found.

***line-number***

The number of the line in parmlib member *memname* containing the error.

***position-number***

The position of the error in the line. The position is the number of columns in from the left.

***dsn***

The data set name.

**aa**

The ARCH level.

**o**

The owner

**ma**

The MINARCH value for that owner.

**System action**

The OLDNEW specification is considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specification is not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

**Operator response**

Notify the system programmer.

**System programmer response**

Correct the parmlib member to specify a valid ARCH level. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

12 (during IPL), 5 (SET IEFOPZ command)

|                 |  |
|-----------------|--|
| <b>IEFA160I</b> | <b>IEFOPZ Status</b><br><b>MAXARCH:</b> <i>ma</i><br><b>LNKLST:</b> <i>op1</i> LLA: <i>op2</i><br><b>[IEFOPZ(s) : <i>nn</i>]</b><br><b>[<i>mm</i>]</b> |
|-----------------|--|

**Explanation**

Status information about the IEFOPZ configuration (as defined by IEFOPZxx parmlib members), in response to a DISPLAY IEFOPZ, STATUS command.

In the message text:

**ma**

The MAXARCH value that is in effect, as identified by the IEFOPZxx MAXARCH parameter.

**op1**

The LNKLST option for IEFOPZ processing that is in effect (Yes or No).

**op2**

The LLA option for IEFOPZ processing that is in effect (Yes or No).

**IEFOPZxx(s):**

Is displayed only if there is a defined IEFOPZ configuration.

**nn**

Comma-separated list of the IEFOPZxx suffixes that defined the IEFOPZ configuration, with a maximum of 19 suffixes.

**mm**

Comma-separated list of the IEFOPZxx suffixes that defined the IEFOPZ configuration. The line with *mm* is displayed only if there are more than 19 suffixes.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

None

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

**Descriptor code**

5

**IEFA161I**

**IEFOPZ OLD**  
**Old:** *vvvvvv dsn*  
**[Owner:** *o*  
**[State:** *Active | Inactive*  
**Arch Volume DSName**  
*aa vvvvvv dsn*  
**[aa vvvvvv dsn]**  
**[Incl Mem:** *mmmmmmmm mmmmmmmmm mmmmmmmmm*  
*mmmmmmmm mmmmmmmmm mmmmmmmmm]*  
**[No Include Members]**  
**[Excl Mem:** *mmmmmmmm mmmmmmmmm mmmmmmmmm*  
*mmmmmmmm mmmmmmmmm mmmmmmmmm]*  
**[No Exclude Members]**  
**[Old: ...]**

**Explanation**

In response to a DISPLAY IEFOPZ,OLD command, information about all matching OLD data sets. For a given OLD data set, there might be multiple NEW data sets identified, according to the IEFOPZ configuration.

In the message text:

**Old: *vvvvvv dsn***

The volume of the data set specified by the IEFOPZxx OLD parameter (or blanks when the volume was not specified) and the data set name identified by the IEFOPZxx OLD parameter. If the data set was an alias, then *dsn* displays that alias.

**Owner: *o***

The owner identified by the IEFOPZxx OWNER parameter. This is displayed if the command specifies owner with a wildcard character, or lets owner default.

**State: Active | State: Inactive**

The state of the IEFOPZxx OLDNEW definition. This is not displayed if the command specifies or defaults to STATE=ACTIVE.

**Arch *aa***

The architecture level specification of the NEW data set identified by the IEFOPZxx ARCH parameter.

**Volume *vvvvvv***

The volume of the data set specified by the IEFOPZxx NEW parameter (or blanks when the volume was not specified).

**DSName *dsn***

The data set name identified by the IEFOPZxx DSNAME parameter. If the data set was an alias, then *dsn* displays that alias.

**Incl Mem *mmmmmmmmmm mmmmmmmmm ...***

When MEMBERS is specified, member names identified by the IEFOPZxx INCLUDEMEMBERS parameter, padded as needed on the right with blanks to 8 characters. The member names are separated from each other by a blank. Secondary lines of members are indented, but without the leading Incl Mem label. This is not displayed if INCLUDEMEMBERS was not used, instead a line indicating that there were no include members is displayed.

**Excl Mem *mmmmmmmmmm mmmmmmmmm ...***

When MEMBERS is specified, member names identified by the IEFOPZxx EXCLUDEMEMBERS parameter, padded as needed on the right with blanks to 8 characters. The member names are separated from each other by a blank. Secondary lines of members are indented, but without the leading Excl Mem label. This is not displayed if EXCLUDEMEMBERS was not used, instead a line indicating that there were no exclude members is displayed.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

None

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None

## Descriptor code

5

---

|                 |   |
|-----------------|---|
| <b>IEFA162I</b> | <b>IEFOPZ New</b><br><b>New: <i>vvvvvv dsn</i></b><br><b>Old: <i>vvvvvv dsn</i></b><br><b>[Owner: <i>oooooooo</i>]</b><br><b>[State: Active   Inactive]</b><br><b>[Old: <i>vvvvvv dsn</i>]</b><br><b>[Owner: <i>oooooooo</i>]</b><br><b>[State: Active   Inactive]</b><br><b>[New: ...]</b> |
|-----------------|---|

## Explanation

In response to a DISPLAY IEFOPZ,NEW command, information about all matching NEW data sets. For a given NEW data set it shows all the OLD data sets to which it corresponds. There might be multiple OLD data sets identified, according to the IEFOPZ configuration.

In the message text:

**New: *vvvvvv dsn***

The volume of the data set specified by the IEFOPZxx NEW parameter (or blanks when the volume was not specified) and the data set name identified by the IEFOPZxx NEW parameter. If the data set was an alias, then *dsn* displays that alias.

**Old: *vvvvvv dsn***

The volume of the data set specified by the IEFOPZxx OLD parameter (or blanks when the volume was not specified) and the data set name identified by the IEFOPZxx OLD parameter. If the data set was an alias, then *dsn* displays that alias.

**Owner: *oooooooo***

The owner identified by the IEFOPZxx OWNER parameter. This is displayed if the command specifies owner with a wildcard character, or lets owner default.

**State: Active | State: Inactive**

The state of the IEFOPZxx OLDNEW definition. This is not displayed if the command specifies or defaults to STATE=ACTIVE.

## System action

The system continues processing.

## Operator response

None

## System programmer response

None

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

5

---

**IEFA163I**

**IEFOPZ DD/Job**  
**DDName Jobname**  
*dddddddddd jjjjjjjj*  
*[dddddddddd jjjjjjjj]*

## Explanation

In response to a DISPLAY IEFOPZ,DDNAME or a DISPLAY IEFOPZ,JOBNAME command, all matching DDNAME / Jobname pairs.

In the message text:

### **DDName** *dddddddddd*

The DDNAME specified by the IEFOPZxx DDNAME parameter.

### **Jobname** *jjjjjjjj*

The Jobname specified by the IEFOPZxx JOBNAME parameter.

## System action

The system continues processing.

## Operator response

None

## System programmer response

None

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

5

---

**IEFA164I**

**No matching IEFOPZ data exists**

## Explanation

In response to:

- a DISPLAY IEFOPZ,OLD command, no matching OLD data set exists

- a DISPLAY IEFOPZ,NEW command, no matching NEW data set exists
- a DISPLAY IEFOPZ,DDNAME command, no matching DDNAME exists
- a DISPLAY IEFOPZ,JOBNAME command, no matching Jobname exists
- a DISPLAY IEFOPZ,OWNER command, no matching owner exists

### **System action**

The system continues processing.

### **Operator response**

If you specified what was intended, no action is necessary. Otherwise, correct the specification and reissue the command.

### **System programmer response**

None

### **Source**

Allocation (IEF)

### **Module**

IEFOPZ

### **Routing code**

None

### **Descriptor code**

5

---

|                 |                                 |
|-----------------|---------------------------------|
| <b>IEFA165I</b> | <b>Unable to obtain storage</b> |
|-----------------|---------------------------------|

### **Explanation**

In processing the IEFOPZ system parameter or in response to a SET IEFOPZ or DISPLAY IEFOPZ command, the system could not obtain sufficient storage.

### **System action**

The system stops processing the command or the IEFOPZ system parameter.

### **Operator response**

For DISPLAY IEFOPZ, request to display less data, such as by not using the MEMBERS option of DISPLAY IEFOPZ,OLD or using different specification of the data set name so that fewer matches occur and thus less data are displayed. If the error persists, or for the IEFOPZ system parameter or SET IEFOPZ command, notify the system programmer.

### **System programmer response**

Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

5

---

**IEFA166I**

**IEFOPZ Owner**  
**Owner MinArch**  
*00000000 ma*  
*[00000000 ma]*

## Explanation

DISPLAY IEFOPZ,OWNER command, information about all matching owners.

### **Owner 00000000**

The owner that is specified by the IEFOPZxx OWNER parameter.

### **MinArch ma**

The minimum architecture value that is specified by the IEFOPZxx MINARCH parameter.

## System action

The system continues processing.

## Operator response

None

## System programmer response

None

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

5

---

**IEFA168I**

**UNEXPECTED ERROR DURING ALLOCATION IEFOPZ PROCESSING**



**Explanation**

An unexpected error occurred while Allocation was processing an IEFOPZ request.

**System action**

The system ends the job.

**Operator response**

Notify the System Programmer.

**System programmer response**

If this message is issued multiple times, there might be an overlay of the IEFOPZ configuration. If you feel that is the case, you can use the command SET IEFOPZ=01 to reinitialize the configuration to its base state, after which you can use the command SET IEFOPZ=REFRESH to restore to the previous configuration definition.

**Source**

Device Allocation (SC1B4)

**Module**

IEFAB4EA

**Routing code**

2,10

**Descriptor code**

12

---

|                 |  |
|-----------------|--|
| <b>IEFA169I</b> | <i>jobname [procstep] stepname ddname [+xxx] - ALLOCATION FAILED</i><br><i>IEFOPZ-NEW dsn reason</i> |
|-----------------|--|

---

**Explanation**

When attempting to allocate the specified data set, it was found in the IEFOPZ configuration as an IEFOPZ-Old. The IEFOPZ-New data set was resolved to a GDG, which is not valid for an IEFOPZ-New data set allocation request.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname***

The name of the DD statement.

***+xxx***

The relative position of a dataset within a concatenation of data sets, including all data sets implicitly concatenated through GDG ALL, OPTCD=B, or IEFOPZ requests. The first data set of a concatenation would be +000, but the value +000 is never shown.

***dsn***

The name of the IEFOPZ-new data set in error.

***reason***

One of the following reasons:

**- NOT ELIGIBLE**

The IEFOPZ-new data set is not eligible for IEFOPZ processing. An IEFOPZ-new data set must reside on DASD and cannot be a GDG.

**- NOT FOUND**

The system could not locate the IEFOPZ-new data set as specified in the IEFOPZ configuration.

**System action**

The system ends the job.

**Operator response**

Notify the System Programmer.

**System programmer response**

Update the IEFOPZxx configuration to remove or change the corresponding IEFOPZ-new data set.

**Source**

Device Allocation (SC1B4)

**Module**

IEFAB454

**Routing code**

11, Note 36

**Descriptor code**

-

---

|                 |   |
|-----------------|---|
| <b>IEFA170I</b> | <b><i>jobname [procstep] stepname ddname [+xxx] - IEFOPZ PROCESSING<br/>CONCATENATED IEFOPZ-NEW newdsn ON VOLUME newvol<br/>WITH IEFOPZ-OLD olddsn ON VOLUME oldvol</i></b> |
|-----------------|---|

**Explanation**

When attempting to allocate the specified data set, it was found in the IEFOPZ configuration as an IEFOPZ-Old.

In the message text:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the step.

***ddname***

The name of the DD statement.

**+xxx**

The relative position of a dataset within a concatenation of data sets, including all data sets implicitly concatenated through GDG ALL, OPTCD=B, or IEFOPZ requests. The first data set of a concatenation would be +000, but the value +000 is never shown.

**newdsn**

The name of the IEFOPZ-New data set specified in the IEFOPZxx configuration.

**newvol**

The volume serial of the IEFOPZ-new data set.

**olddsn**

The name of the IEFOPZ-old data set specified in the IEFOPZ configuration.

**oldvol**

The volume serial of the IEFOPZ-old data set.

**System action**

The system attempts to allocate a concatenation of the IEFOPZ-new data set followed by the IEFOPZ-old data set for the current DD based on the IEFOPZxx configuration.

**Operator response**

None

**System programmer response**

None

**Programmer response**

None

**Source**

Device Allocation (SC1B4)

**Module**

IEFAB452

**Routing code**

Note 36

**Descriptor code**

-

---

**IEFA171I**

**IEFOPZxx data set *dsn* on volume *vol* is not a PDS(E)**

**Explanation**

The data set, which is identified in parmlib member IEFOPZxx member, must be either a PDS or PDSE but is not. In the message text:

**xx**

The suffix of the IEFOPZxx parmlib member name in which the data set name was provided.

**dsn**

The data set name.

**vol**

The volume (either provided in the parmlib member or determined from the catalog).

**System action**

If this is a data set identified by the NEW parameter of IEFOPZxx, that NEW specification is not used. If this is a data set identified by the OLD parameter of IEFOPZxx, the entire OLDNEW specification is not used. If KeepOnError(NONE) is in effect, no changes are made to the IEFOPZ configuration.

**Operator response**

Notify the system programmer.

**System programmer response**

None

**Programmer response**

Correct the parmlib member then use the SET IEFOPZ command to update the IEFOPZ configuration definition.

**Source**

Allocation (IEF)

**Module**

IEFOPZ

**Routing code**

None (SET IEFOPZ command), (1,2,11) MSI processing

**Descriptor code**

5 (SET IEFOPZ command), (none) MSI processing

---

**IEFA173I**

**Allocation was not successful for IEFOPZxx data set *dsn*.  
DIAG=dddddddd**

**Explanation**

The system attempted to allocate the data set but the allocation did not succeed.

In the message text:

**xx**

The suffix of the IEFOPZxx parmlib member name in which the data set name was provided.

**dsn**

The data set name.

**dddddddd**

The value in field S99RSC (as defined in mapping macro IEFZB4D0) which contains error information from the allocation and might help to understand the problem.

**System action**

If this is a data set identified by the NEW parameter of IEFOPZxx, that NEW specification is not used. If this is a data set identified by the OLD parameter of IEFOPZxx, the entire OLDNEW specification is not used. If KeepOnError(NONE) is in effect, no changes are made to the IEFOPZ configuration.

## Operator response

Notify the system programmer.

## System programmer response

Correct the parmlib member (perhaps to create the data set or to specify a different data set), then use the SET IEFOPZ command to update the IEFOPZ configuration definition.

## Programmer response

Correct the parmlib member then use the SET IEFOPZ command to update the IEFOPZ configuration definition.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None (SET IEFOPZ command), (1,2,11) MSI processing

## Descriptor code

5 (SET IEFOPZ command), (none) MSI processing

---

**IEFA174E****IEFOPZ initialization did not complete successfully**

## Explanation

A severe problem was encountered during IEFOPZ initialization.

## System action

The system captured an SVC Dump then continues without further IEFOPZ processing.

## Operator response

Notify the system programmer.

## System programmer response

You can attempt to reinitialize the IEFOPZ configuration by using the SET IEFOPZ command. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Correct the parmlib member then use the SET IEFOPZ command to update the IEFOPZ configuration definition.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

1,2,11

## Descriptor code

11

---

**IEFA175I**

**Error in parmlib member=*memname* on line *line-number*:  
NEW data set *dsn*  
is ARCH *arch* which is different than the ARCH  
for that data set in parmlib member=*memname2* on line *line-number2***

## Explanation

Within an IEFOPZxx parmlib member, a data set specified by the NEW parameter within an IEFOPZxx parmlib member specified a different ARCH value than was specified for the same data set elsewhere.

### ***memname***

The name of the parmlib member in which the error was found.

### ***line-number***

The number of the line in parmlib member *memname* containing the error.

### ***dsn***

The data set name.

### ***arch***

The ARCH value.

### ***memname2***

The name of the parmlib member where the other data set was defined.

### ***line-number2***

The number of the line in parmlib member *memname2* where the other data set was defined.

## System action

Both of the OLDNEW specifications are considered in error. If KeepOnError(VALID) is in effect, the OLDNEW specifications are not included in the resulting IEFOPZ configuration. Otherwise, no changes are made to the IEFOPZ configuration.

## Operator response

Notify the system programmer.

## System programmer response

Correct the parmlib member either to specify another NEW data set or a different ARCH level. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

## Programmer response

Correct the parmlib member. For an error detected due to the IEFOPZ system parameter, re-IPL. For an error detected during SET IEFOPZ command processing, have the operator reissue the command.

## Source

Allocation (IEF)

## Module

IEFOPZ

## Routing code

None

## Descriptor code

12 (during IPL), 5 (SET IEFOPZ command)

---

**IEFA176I****ASSIGN PROCESSING COMPLETED FOR AUTOSWITCH DEVICE *dev***

## Explanation

Assign processing completed for the AutoSwitch device listed in the message. Assign processing had previously failed for this device and IEF351I had previously been issued.

In the message text:

***dev***

The name of the parmlib member in which the error was found.

## System action

System processing continues. Device Allocation uses the standard one-minute timer for future Assign processing for this device.

## Operator response

None.

## System programmer response

None.

## Programmer response

None.

## Source

Allocation (SC1B4)

## Module

IEFAB4FX

## Routing code

3

## Descriptor code

4

---

**IEFA180I*****jobname procstep stepname ddname +relpos* ALLOCATION FAILED –  
READ-ONLY ATTRIBUTE MISMATCH FOR DEVICE *dev***

## Explanation

The system could not allocate the data set for one of the following reasons:

- ROACCESS=DISALLOW was specified and the data set resides on a read-only device.
- DISP=NEW is not accepted when the volume has the read-only access attribute.

In the message:

***jobname***

The name of the job.

***procstep***

The name of the step in the procedure.

***stepname***

The name of the job step.

***ddname***

The name of the DD statement.

***+relpos***

The relative position of a data set within a concatenation of data sets.

## System action

The system ends the job and scans the remaining job control statements for the job for syntax errors.

## Operator response

Notify the programmer.

## System programmer response

None.

## Programmer response

If the program can tolerate a read-only volume, specify ROACCESS=ALLOW on the DD JCL statement or omit the ROACCESS keyword. See [z/OS MVS JCL Reference](#) for information about the ROACCESS keyword. Resubmit the job.

## Source

Allocation (IEF)

## Module

## Routing code

None

## Descriptor code

**IEFA181I**

---

***jobname procstep stepname ddname +relpos* ALLOCATION FAILED –  
ROACCESS WITH TRKLOCK IS REQUIRED FOR DEVICE *dev***

## Explanation

The system requires the TRKLOCK keyword to allocate an existing data set that resides on a PPRC secondary device.



**jobname**

The name of the job.

**procstep**

The name of the step in the procedure.

**stepname**

The name of the job step.

**ddname**

The name of the DD statement.

**+relpos**

The relative position of a data set within a concatenation of data sets.

**System action**

The system ends the job and scans the remaining job control statements for the job for syntax errors.

**Operator response**

Notify the programmer.

**System programmer response**

None.

**Programmer response**

If the program can tolerate a read-only volume, specify ROACCESS=(ALLOW,TRKLOCK) on the DD JCL statement. See [z/OS MVS JCL Reference](#) for information about the ROACCESS keyword. Resubmit the job.

**Source**

Allocation (IEF)

**Module****Routing code**

None

**Descriptor code**


---

**IEFA182I**

**nnn ALLOCATABLE DEVICES REMAIN IN ESOTERIC esoteric  
DEVICES dev [ ,dev... ]  
[dev [ ,dev... ] ]**

**Explanation**

The listed tape devices are contained in both the specified esoteric unit name and a system-managed tape library. The system might not be able to consider allocating tape devices from the specified esoteric unit name. The system might consider allocating a device from the system-managed tape library associated with that device.

In the message text:

**nnn**

The number of tape devices remaining in the specified esoteric unit name.

**esoteric**

The esoteric name.

**dev**

The device number of a tape device that is defined in both a system-managed tape library and the specified esoteric unit name.

**System action**

For an allocation request from the specified esoteric unit name, one of the following occurs:

- If the UNIT parameter on the allocation request does not specify SMSHONOR, the system does not consider allocating the listed tape devices from the specified unit name. The system can only allocate those devices by allocating from the system-managed tape library that contains the device.
- If the UNIT parameter on the allocation request does specify SMSHONOR, the system attempts to honor the specified esoteric unit name, provided that the devices in the esoteric are part of the list of eligible library devices. The SMSHONOR keyword directs allocation to a subset of the eligible system-managed tape library devices.

**Operator response**

Notify the system programmer and provide the system log containing this message.

**System programmer response**

Remove the listed devices from the specified esoteric unit name to eliminate this message. Then, verify that the number of tape devices remaining in the specified esoteric unit name is adequate to fulfill system requirements.

**Source**

Device Allocation (SC1B4)

**Module**

IEFIBER1

**Routing code**

None

**Descriptor code**

None

---

## Chapter 4. IEFAH messages

---

**IEFAH001I**

**Option value *val* matches the *parameter* recommendation of *recval***

### Explanation

An Allocation Options check found the value of an option match the *parameter* recommended value.

In the message explanation:

**val**

The current value of the Allocation option.

***parameter***

Resolves to 'owner' or 'installation' to indicate whether the default parameters from the HZSADDCHECK exit routine are in effect, or user overrides are in effect.

**recval**

The recommended value for this option.

### System action

The system continues processing.

### Source

MVS Device Allocation

### Module

IEFHCK1

---

**IEFAH002E**

**Option value *val* does not match the *parameter* recommendation of *recval***

### Explanation

An Allocation Options check found the value of an option does not match the *parameter* recommended value.

In the message explanation:

**val**

The current value of the Allocation option.

***parameter***

Resolves to 'owner' or 'installation' to indicate whether the default parameters from the HZSADDCHECK exit routine are in effect, or user overrides are in effect.

**recval**

The recommended value for this option.

### System action

The system continues processing.

### Operator response

Report this problem to the system programmer.

## System programmer response

Update the value for the option in exception by using a SETALLOC command, or change the recommended value by using a MODIFY command. The message contains the recommended value for the Allocation option that caused the exception.

## Problem determination

See [ALLOCxx](#) in [z/OS MVS Initialization and Tuning Reference](#) for defaults and warnings.

## Source

MVS Device Allocation

## Module

IEFHCK1

## Routing code

-

## Descriptor code

3

---

**IEFAH003I**

**Check *ckname* ignored for environmental reasons. *reason***

## Explanation

An Allocation Options check was ignored for environmental reasons. *reason*.

In the message explanation:

### **ckname**

Name of the check.

### **reason**

Describes the reason that the check was ignored. Possible reason is:

EDT does not have a library section.

This indicates that the current EDT does not contain any library devices defined. The check is only applicable when library devices are defined.

## System action

The check is disabled. If the system configuration changes so that the check is applicable, the check might be enabled again.

## Source

Allocation

## Module

IEFHCK1

---

**IEFAH004I**

**Check *ckname* did not detect any exceptions**

## Explanation

The health check did not detect any warnings.

In the message explanation:

**ckname**  
Name of the check.

**System action**

The system continues processing.

**Source**

MVS Device Allocation

**Module**

IEFHCK1

|                  |  |
|------------------|--|
| <b>IEFAH005I</b> | <b>Check ALLOC_SMSHONOR_STATE detected exceptions for system-managed tape requests associated with tape storage groups that have SMSHONOR specified.</b> |
|                  | <b>Jobname Reason</b>  |
|                  | <i>jjjjjjj reason</i>  |

**Explanation**

The ALLOC\_SMSHONOR\_STATE check detected that system-managed tape requests associated with tape storage groups that had SMSHONOR specified generated warnings. The first 5 jobs for each reason are reported.

In the message text:

**reason**  
Describes the reason for the warning. Possible reasons are:

**UNIT NOT VALID**  
The device or esoteric associated with the tape storage group is an incorrect unit name. It is not defined to the active system configuration or the change to the system configuration is not completed.

**INCONSISTENT UNITS**  
During a scratch allocation request, more than one tape storage group is assigned through the SMS ACS routines and the usage of SMSHONOR (and the specified device or esoteric, or both) is not consistent across the tape storage groups. If SMSHONOR is being used, all assigned storage groups need to use SMSHONOR and with the same unit information.

**NO DEVICE INTERSECTION**  
There is no device intersection between what is associated with SMSHONOR (the specified device or esoteric) and what SMS considers eligible for the request.

**DEVICES MARKED UNAVAILABLE**  
All of the devices from the intersected list are previously marked unavailable by using the VARY XXXX,UNAVAILABLE operator command.

**UNIT COUNT EXCEEDS 1**  
A device is associated with the tape storage group, but a unit count greater than one is specified on the allocation request.

**DEVICE IS BOXED**  
A device is associated with the tape storage group, but the device is boxed.

**DEVICE IN USE BY SYSTEM**  
A device is associated with the tape storage group, but the device is in use by a system function.

**DEVICE RESTRICTED**  
A device is associated with the tape storage group, but the device is marked as restricted for allocation.

**NOT A TAPE DEVICE**  
A device is associated with the tape storage group, but the device is not a tape device.

**NOT A LIBRARY DEVICE**

A device is associated with the tape storage group, but the device is not a tape library device.

**jjjjjj**

The name of the job to receive the error.

**System action**

The system continues processing.

**Source**

MVS Device Allocation

**Module**

IEFHCK1

---

**IEFAH006E**

**Check ALLOC\_SMSHONOR\_STATE detected exceptions for system-managed tape requests associated with tape storage groups that have SMSHONOR specified.**

**Explanation**

The ALLOC\_SMSHONOR\_STATE check detected that system-managed tape requests associated with tape storage groups that had SMSHONOR specified generated warnings.

IEFAH005I is placed in the message buffer to describe the warnings. The first 5 jobs for each reason are reported.

**System action**

The system continues processing.

**Source**

MVS Device Allocation

**Module**

IEFHCK1

---

## Chapter 5. IEF C messages

---

**IEFC001I**

**PROCEDURE *procname* WAS EXPANDED USING *text***

### Explanation

The system found an EXEC statement for a procedure. In the message text:

***procname***

The name of the expanded procedure.

***text***

*text* is one of the following values:

**PRIVATE LIBRARY {*nnnn*|*dsname*}**

The procedure was first found in a private library.

**SYSTEM LIBRARY {*nnnn*|*dsname*}**

The procedure was first found in a system library.

**INSTREAM PROCEDURE DEFINITION**

The procedure was first found in an input stream procedure.

***nnnn***

The relative number of the data set that is specified on the JCLLIB statement or procedure library concatenation.

***dsname***

The data set name from which the procedures *procname* was retrieved.

### System action

The system processes the procedure.

### Programmer response

If the system finds the procedure in an incorrect data set, check the data set specified on the JCLLIB statement. Resubmit the job.

### Source

Converter

### Module

IEFCNEXP

### Routing code

Note 36

### Descriptor code

-

---

**IEFC002I**

**INCLUDE GROUP *group-name* WAS EXPANDED USING *text***

### Explanation

The system found an INCLUDE statement to include a group of JCL statements. In the message text:

**group-name**

The name of the included group.

**text**

*text* is one of the following values:

**PRIVATE LIBRARY {nnnn|dsname}**

The include group was first found in a private library.

**SYSTEM LIBRARY {nnnn|dsname}**

The include group was first found in a system library.

**nnnn**

The relative number of the data set that is specified on the JCLLIB statement.

**dsname**

The data set name from which the include group *group-name* was retrieved.

**System action**

The system processes the include group.

**Programmer response**

If the system finds the include group in an incorrect data set, check the data set specified on the JCLLIB statement. Resubmit the job.

**Source**

Converter

**Module**

IEFCNEXP, IEFCNINC

**Routing code**

Note 36

**Descriptor code**

-

---

**IEFC003I****ALLOCATION ERROR IN PROCESSING A *cntr* STATEMENT****Explanation**

The system could not allocate a data set specified on a JCLLIB or PROC statement.

In the message text:

**cntr**

The statement in error, either JCLLIB or PROC.

When *cntr* is JCLLIB:

- The JCLLIB statement is in a task that is being started under the master subsystem.
- Another user or job is using the data set.
- The data set name is misspelled on the JCLLIB statement.
- The data set does not exist.
- The data set is not cataloged.
- The JES2 JOBDEF parameter, CNVT\_ENQ, is set to FAIL.



When *cntr* is PROC:

- The system had a problem processing an instream procedure.

## System action

The system ends the job and issues a message about dynamic allocation.

## System programmer response

When the error is for a JCLLIB statement on systems, in which all data sets are not available to all processors, check that the job has affinity to a system that can allocate the data set during converter processing. Resubmit the job.

If the failing task is a Started Task, ensure that it is not being started under the master subsystem. Once a task is in the Subsystem Names table (either because it was in the IEFSSNxx member of parmlib or because it was dynamically added), the system always attempts to start that task under the master subsystem, even if SUB=MSTR is not specified on the start command. If the task name is now in the subsystems name table, the task can be forced not to start under the master subsystem by specifying in the start command to start it under the JES (SUB=JES2 or SUB=JES3).

When the error is for a PROC statement:

- If the procedure being executed is an in-stream PROC, which was started by a start command specifying SUB=MSTR, change the procedure to ensure that in-stream JCL is not used.
- If the procedure being executed is an in-stream PROC, ensure that there is either:
  - at least one unitname eligible to receive VIO datasets, or
  - at least one real DASD volume in unitname SYSALLDA, which is mounted STORAGE and has available space.

If the problem cannot be resolved, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

When the error is for a JCLLIB statement, check the following:

- The failing task is not being started under the master subsystem.
- The data set name is specified correctly on the JCLLIB statement.
- Another user or job is not using the data set.
- The data set exists.
- The data set is cataloged.
- Change the JES2 JOBDEF parameter, CNVT\_ENQ, to WAIT.

When the error is for a PROC statement, record the error messages and report them to your system programmer.

## Source

Converter

## Module

IEFCNJLI, IEFCNISP

## Routing code

2,10

## Descriptor code

4

---

**IEFC004I****OPEN OF JCLLIB DATASETS WAS NOT SUCCESSFUL**

---

## Explanation

The system could not open the data sets specified on a JCLLIB statement. This error may occur for the following reasons:

- You are not authorized to use the data set or sets.
- The data set does not have the appropriate data control block (DCB) information.
- The data set does not exist on a volume to which it is cataloged.

## System action

The system ends the job.

## Programmer response

Check that you have authorization to the data set, if appropriate, and that the DCB information is correct. Recatalog the data set, if necessary. Resubmit the job.

## Source

Converter

## Module

IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

**IEFC005I*****statement1* STATEMENT WITHOUT MATCHING *statement2* STATEMENT**

---

## Explanation

The system did not find a matching statement for a statement in the job. The job either is missing a matching closing statement or has an extra closing statement.

In the message text:

### ***statement1***

The statement found in the job.

### ***statement2***

The matching statement missing from the job.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Locate and correct the following:

- A missing IF, THEN, ELSE, ENDIF, CNTL, ENDCNTL, PROC, or PEND statement
- An extra IF, THEN, ELSE, ENDIF, CNTL, ENDCNTL, PROC, or PEND statement
- A misplaced IF, THEN, ELSE, ENDIF, CNTL, ENDCNTL, PROC, or PEND statement

Resubmit the job.

## Source

Converter

## Module

IEFCNISP, IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC006I**

**POSITIONAL PARAMETERS MUST BE SPECIFIED BEFORE KEYWORD  
PARAMETERS**

## Explanation

The system found a positional parameter coded after a keyword parameter.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Correct the statements with positional parameters specified after keyword parameters. Resubmit the job.

## Source

Converter

## Module

IEFCNJOB

## Routing code

2,10

## Descriptor code

4

---

**IEFC007I**

**EXEC STATEMENT KEYWORDS ARE RESERVED AND CANNOT BE USED  
AS SYMBOLIC PARAMETERS**

## Explanation

The system found a symbolic parameter on a PROC statement that is the same as valid EXEC statement keyword.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Change the symbolic parameter on the PROC statement that matches the valid EXEC statement keyword. Resubmit the job.

## Source

Converter

## Module

IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC008I**

**PEND STATEMENT FOUND BEFORE END OF PROCEDURE**

## Explanation

The system found a PEND statement before reaching the end of a procedure.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check the statements following the PEND statement. If they are included in the procedure, move the PEND statement after these statements. Resubmit the job.

## Source

Converter

## Module

IEFCNEXP

## Routing code

2,10

## Descriptor code

4

---

**IEFC009I**

**KEYWORD *key1* IS MUTUALLY EXCLUSIVE WITH KEYWORD *key2* ON THE *statement* STATEMENT.**

## Explanation

The system found two mutually exclusive keywords on a statement.

In the message text:

### ***key1***

The first mutually exclusive keyword.

### ***key2***

The second mutually exclusive keyword.

### ***statement***

The name of the statement containing the mutually exclusive keywords.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Determine which of the mutually exclusive keywords is not needed and remove it. Resubmit the job.

## Source

Converter

## Module

IEFCNEXC, IEFCNJDT, IEFCNJOB

## Routing code

2,10

## Descriptor code

4

---

**IEFC010I**

**SYNTAX ERROR IN THE *field* FIELD OF THE *statement* STATEMENT**

## Explanation

The system found an error in a statement. An incorrect character or incorrect delimiter usually causes this error.

In the message text:

### ***field***

The name of the field that most likely has the error.

### ***statement***

The statement with the syntax error.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Fix the syntax error and submit the job again.

## Source

Converter

## Routing code

2,10

## Descriptor code

4

---

|                 |   |
|-----------------|---|
| <b>IEFC011I</b> | <b>MAXIMUM OF <i>nn</i> LEVELS OF <i>statement</i> STATEMENT NESTING EXCEEDED</b> |
|-----------------|---|

---

## Explanation

The system found that the number of nesting levels for a statement exceeded the maximum allowed.

In the message text:

***nn***

The maximum number of nesting levels allowed for that statement.

***statement***

The statement with the nesting error.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check for an inadvertent loop in INCLUDE groups or nested procedures. For example, an include segment that issues an INCLUDE for itself can create an inadvertent loop.

If no loop exists, restructure the job so that it has fewer levels of nesting. Resubmit the job.

## Source

Converter

## Module

IEFCNEXC, IEFCNINC, IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFC012I</b> | <b>JCL STATEMENT MAXIMUM LENGTH EXCEEDED</b> |
|-----------------|--|

---

## Explanation

The system found a statement that exceeded the maximum length allowed. The string text length of the JCL statement exceeds the size of the CI text buffer.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check for a misplaced continuation line or closing parenthesis. Resubmit the job.

## Source

Converter

## Module

IEFCNBLD, IEFCNEXC, IEFCNJDT, IEFCNJOB, IEFCNOVR, IEFCNPJR, IEFCNPOV

## Routing code

2,10

## Descriptor code

4

---

**IEFC013I**

**ERROR IN IF STATEMENT: *keyword* NOT VALID**

---

## Explanation

The system found an incorrect keyword on the IF statement.

In the message text:

### ***keyword***

The name of the keyword that is incorrect for an IF statement.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Change or remove the incorrect keyword. Resubmit the job.

## Source

Converter

## Module

IEFCNIF

## Routing code

2,10

## Descriptor code

4

---

**IEFC014I****ERROR IN IF STATEMENT: EXPRESSION MUST BE EVALUATED TO TRUE OR FALSE**

## Explanation

The system found that a relational expression in an IF statement does not evaluate to true or false.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Change the relational expression so that it evaluates to true or false. Resubmit the job.

## Source

Converter

## Module

IEFCNIF

## Routing code

2,10

## Descriptor code

4

---

**IEFC015I****ERROR IN IF STATEMENT: INCOMPATIBLE TYPES IN A COMPARISON**

## Explanation

The system found incompatible types in a relational expression in an IF statement. For example, the relational expression compares a return code (RC) with an abend code (ABENDCC).

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Change the relational expression so that the types are compatible. Resubmit the job.

## Source

Converter

## Module

IEFCNIF



## Routing code

2,10

## Descriptor code

4

---

**IEFC016I****ERROR IN IF STATEMENT**

## Explanation

The system found an incorrect relation between operators, or operands, or both.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Change the operators, or operands, or both, of the relational expression. Resubmit the job.

## Source

Converter

## Module

IEFCNIF

## Routing code

2,10

## Descriptor code

4

---

**IEFC017I****INCLUDE *member* WAS NOT FOUND**

## Explanation

The system did not find the specified INCLUDE member in the system include library or private include library that is specified on the JCLLIB statement.

In the message text:

***member***

The name of the include member.

## System action

The system ends the job, but scans the remaining statements for syntax errors.

## Programmer response

Correct the member name specified on the INCLUDE statement. Resubmit the job.

## Source

Converter

## Module

IEFCNEXP, IEFCNINC

## Routing code

2,10

## Descriptor code

4

---

**IEFC018I** **UNEXPECTED END OF JCL**

## Explanation

The system reached the end of the JCL when it expected more statements. A missing or duplicate statement normally causes this error.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Look for unmatched PROC-PEND, IF-ENDIF, and CNTL-ENDCNTL statements. Correct the error and resubmit the job.

## Source

Converter

## Module

IEFCNGST, IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC019I** **MISPLACED *statement* STATEMENT**

## Explanation

The system found a statement in an incorrect position in the JCL. Statements that cannot be placed in any position in a job will cause this error if they appear in the wrong position.

In the message text:

### ***statement***

The name of the misplaced statement.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check that the job follows JCL statement rules. Resubmit the job. The error that causes this message to appear might be due to some misplaced JCL statement immediately before the one listed in this message.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC020I**

**DUPLICATE *statement* STATEMENT**

---

## Explanation

The system found a duplicate statement in the JCL. Statements that should be coded only once in a job causes this error if they appear more than once.

In the message text:

### ***statement***

The name of the duplicate statement.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check that the job follows JCL statement rules. Resubmit the job.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

## Explanation

The system found parameters that it did not recognize.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Correct the extraneous parameters and submit the job again.

## Source

Converter

## Module

IEFCNINC, IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

**IEFC022I****UNEXPECTED END OF PROCEDURE**

---

## Explanation

The system found the end of a procedure when it expected more statements for the procedure.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## Programmer response

Check that the EXEC statement for the procedure does not have an error. If it does, correct the error. If not, check that the job follows JCL statement rules. Resubmit the job.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC023I****SYSIN OVERRIDE ERROR**

---

## Explanation

The system found an incorrect DD statement that attempted to override a sysin (DD \* or DD DATA) statement in a PROC. This error can occur in the following scenarios:

- A DD statement is specified to override a DD statement that is part of a concatenated sysin data set, and the overriding DD statement is coded with a blank operand (or parameter) field.
- The specified (or defaulted) step name was not found in the job.
- The step name refers to the EXEC of a procedure.
- The DD overrides for sysin data was specified in an order that is different from the corresponding steps in the procedure.

## System action

The system ends the job but scans the remaining JCL statements for syntax errors.

## Programmer response

Do one of the following:

- To leave a concatenated sysin type statement unchanged, code its corresponding overriding DD statement with the NULLOVRD keyword. Refer to [z/OS MVS JCL Reference](#) for a description of the NULLOVRD keyword.
- Correct the step name of the overriding statement.
- Correct the order of the overriding DD statements that contain SYSIN data.

Submit the job again.

## Source

Converter

## Module

IEFCNFOV

## Routing code

2,10

## Descriptor code

4

---

IEFC024I

INVALID POSITIONAL PARAMETER *text*

## Explanation

*text* is one of the following:

- ON THE *cntr* STATEMENT

The system did not recognize a positional parameter in the JCL.

In the message text:

### ON THE *cntr* STATEMENT

The error was detected in a positional parameter field on the statement.

In the message text:

*cntr*

The statement in error.

## System action

The system ends the job but scans the remaining JCL statements for syntax errors.

## Programmer response

Correct the JCL and resubmit the job.

## Source

Converter

## Module

IEFCNDD

## Routing code

2,10

## Descriptor code

4

---

**IEFC025I**

**INSTALLATION MODIFIED JCL - *jclcardimage***

## Explanation

The pre-scan instance of the IEFUJV exit was changed the JCL card image.

In the message text:

### **jclcardimage**

The 80 character card image that holds the JCL parameter specification.

## System action

The system issues the message documenting the change and continues scanning the remaining JCL statement for syntax errors.

## Operator response

None.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC026I**

**EXIT ERROR: NON-ZERO RETURN CODE FROM IEFUJV EXIT -  
STATEMENT IS IGNORED**

## Explanation

The pre-scan instance of the IEFUJV exit returned control to the system with a completion code that does not equal zero or four.

## System action

The job continues processing.

## System programmer response

Determine the cause of the incorrect return code within IEFUJV. Correct the error.

## Programmer response

Contact the system programmer.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC027I**

**EXIT ERROR: IEFUJV ATTEMPTED TO CHANGE VERB**

## Explanation

The pre-scan instance of the IEFUJV exit was changed the JCL statement verb.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## System programmer response

Determine the reason that the exit was attempted to change the verb. Correct the error.

## Programmer response

Contact the system programmer.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC028I**

**EXIT ERROR: IEFUJV ATTEMPTED TO CHANGE JCL STATEMENT ID**



## Explanation

The pre-scan instance of the IEFUJV exit was changed the JCL statement ID to a character that is not included in the valid set of characters for JCL. The JCL statement ID composed of the first two characters of the JCL card image.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## System programmer response

Determine the reason that the exit was attempted to change the JCL statement ID. Correct the error.

## Programmer response

Notify the system programmer.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

IEFC029I

EXIT ERROR: IEFUJV ATTEMPTED TO INSERT JCL COMMENTS -  
STATEMENT IN ERROR

## Explanation

The pre-scan instance of the IEFUJV exit was attempted to comment out a JCL statement. That is, the exit was changed the first three characters of the JCL statement to `/**`.

## System action

The system ends the job, but scans the remaining JCL statements for syntax errors.

## System programmer response

Determine the reason that the exit was attempted to change the JCL statement. Correct the error.

## Programmer response

Notify the system programmer.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFC030I</b> | <b>KEYWORD <i>key1</i> SPECIFIED WITHOUT REQUIRED KEYWORD <i>key2</i> ON THE <i>statement</i> STATEMENT.</b> |
|-----------------|--|

---

## Explanation

A JCL keyword was specified without one or more required accompanying keywords. This message displays only one missing keyword, even when multiple keywords are missing.

In the message text:

### ***key1***

The keyword specified in the JCL that was missing one or more required accompanying keywords.

### ***key2***

The missing keyword required with *key1*.

### ***statement***

The name of the statement where the system found missing keywords.

## System action

The system ends the job but scans the remaining JCL statements for syntax errors.

## Programmer response

Correct the JCL and resubmit the job.

## Source

Converter

## Module

IEFCNEXC, IEFCNJDT, IEFCNJOB

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFC031I</b> | <b>MISSING LABEL ON THE <i>statement</i> STATEMENT</b> |
|-----------------|--|

---

## Explanation

A statement was coded without a label.

In the message text:

**statement**

The job control statement on which the error occurred.

**System action**

The system ends the job. The remaining job control statements are scanned for syntax errors.

**Programmer response**

Probable user error. Code a label on the statement and submit the job again.

**Source**

Converter

**Module**

IEFCNJDT

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC032I**

**REQUIRED PARAMETER PROC OR PGM MUST PRECEDE ALL OTHER  
PARAMETERS ON THE *cntr* STATEMENT**

**Explanation**

The positional keyword PROC or PGM or a valid procedure name was expected immediately following the EXEC verb.

In the message text:

**cntr**

Indicates the job control statement on which the error occurred.

**System action**

The system ends the job and scans the remaining JCL for syntax errors.

**Programmer response**

Correct the JCL and resubmit the job.

**Source**

Converter

**Module**

IEFCNEXC

**Routing code**

2,10

## Descriptor code

4

---

**IEFC033I**

**ERROR IN IF STATEMENT: RC GREATER THAN MAXIMUM *max***

---

## Explanation

The return code value that is coded on the IF statement is greater than the maximum allowed.

In the message text:

***max***

The maximum return code value allowed.

## System action

The system ends the job, but scans the remaining JCL for syntax errors.

## Programmer response

Correct the JCL and resubmit the job.

## Source

Converter.

## Module

IEFCNIF

## Routing code

2,10

## Descriptor code

4

---

**IEFC034I**

**JOB CAT OR STEPCAT NOT PERMITTED**

---

## Explanation

A JOBCAT or STEPCAT statement was encountered in the current job, but JOBCAT/STPCAT statements are no longer permitted.

## System action

The system ends the job.

## Operator response

See System Programmer Response.

## System programmer response

Modify the job and remove the need for JOBCAT/STPCAT statements.

## Programmer response

JOB CAT/STEP CAT support is no longer available. Modify the job and remove the need for JOB CAT/STEP CAT statements.

## Source

Converter.

## Module

IEFCNDD

## Routing code

2,10

## Descriptor code

4

---

**IEFC035I** **DUPLICATE VOLUME SERIAL *volser* FOUND**

## Explanation

A volume serial was specified more than once on a DD statement. The duplicate volume serial is displayed in the message.

## System action

The system ends the job.

## Operator response

See system programmer response.

## System programmer response

Remove or correct the duplicate volume serial that causes the error.

## Programmer response

Remove or correct the duplicate volume serial that causes the error.

## Source

Converter.

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

**Explanation**

The data set specified on the JCLLIB statement was migrated and must be recalled before processing can continue.

In the message text:

***dsname***

The name of the JCLLIB data set that needs to be recalled.

**System action**

None.

**Source**

Converter

**Module**

IEFCNJLI

**Routing code**

2,10

**Descriptor code**

4

**Explanation**

The attempt to recall the data set in the previous IEFC037I message was unsuccessful. The recall function returned nonzero return codes, reason codes, or both.

In the message text:

***return-code***

The nonzero hexadecimal value returned from the recall processor. For information about the return codes, see ARCHRCAL in *z/OS DFSMSHsm Managing Your Own Data*. It is necessary to convert this return code from hexadecimal to decimal before inserting it into message ARC11xxI, as explained in that manual.

***reason-code***

The management work element (MWE) hexadecimal reason code returned from the recall processor. It is necessary to convert this reason code from hexadecimal to decimal before attempting to look it up in the DFSMSHsm manual.

**System action**

None.

**Source**

Converter

## Module

IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

|                 |   |
|-----------------|---|
| <b>IEFC039I</b> | <b>ATTEMPT TO RECALL MIGRATED DATA SET WAS SUCCESSFUL</b> |
|-----------------|---|

---

## Explanation

The attempt to recall the data set in the previous IEFC037I message was successful. The recall function returned a zero return code.

## System action

None

## Source

Converter

## Module

IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

|                 |   |
|-----------------|---|
| <b>IEFC040I</b> | <b>ERROR ACCESSING DATA SET IN CONVERTER IEFUJV EXIT IN<br/>CONVERTER TEXT EXIT</b> |
|-----------------|---|

---

## Explanation

During job conversion, a program other than the MVS Converter attempted unsuccessfully to open or otherwise access a data set.

In the message text:

### **IN CONVERTER IEFUJV EXIT**

The failing access occurred in the pre-conversion or post-conversion instance of the IEFUJV exit.

### **IN CONVERTER TEXT EXIT**

The failing access occurred in the JES post-scan text exit (JES2 exit 6 or JES3 exit 3, as appropriate).

## System action

The system issues message IEFC683I and terminates the Converter. No dump is taken.

## System programmer response

If the error occurred in the IEFUJV or text exit, correct or eliminate the data set access. If no text is issued with the message, the failing access is probably associated with a non-IBM product or a data management error at the installation. If the problem is not caused by an installation error, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center for assistance in locating the source of the failing access. Provide the complete JCL and the SYSOUT output for the job producing the failure.

## Source

Converter

## Module

IEFCNREX

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFC041I</b> | <b>INVALID MSGLEVEL, DEFAULTS (<i>parameter1</i>,<i>parameter2</i>) USED</b> |
|-----------------|--|

---

## Explanation

The system found that one or both subparameters on a JOB statement MSGLEVEL parameter were incorrect. (The message text indicates the incorrect subparameter or subparameters.) The system ignored any subparameter identified as incorrect and used the installation default for that subparameter instead.

In the message text:

### ***parameter1***

The first subparameter on the MSGLEVEL parameter

### ***parameter2***

The second subparameter on the MSGLEVEL parameter

## System action

The system also issues message IEFC677I and executes the job, using the installation default in place of any subparameter that is incorrect. If only one subparameter is incorrect, the system uses the value specified on MSGLEVEL for the other (correct) subparameter.

## Programmer response

Correct the MSGLEVEL parameter and resubmit the job if necessary.

## Source

Converter.

## Module

IEFCNJOB

---

|                 |  |
|-----------------|--|
| <b>IEFC042I</b> | <b>JOB CANCELLED BY INSTALLATION EXIT - IEFUJV</b> |
|-----------------|--|

---



## Explanation

The pre-scan instance of the IEFUJV exit returned control to the system with a completion code of four.

## System action

The system ends the job but scans the remaining JCL statements for syntax errors.

## Programmer response

Contact the programmer responsible for the IEFUJV exit to determine what local JCL standards have been violated. Correct the violations and resubmit the job.

## Source

Converter

## Module

IEFCNGST, IEFCNJRT

---

|                 |  |
|-----------------|--|
| <b>IEFC043I</b> | <b>DATA SET dsname UNAVAILABLE - JOB jobname TO BE RESUBMITTED<br/>AUTOMATICALLY</b> |
|-----------------|--|

---

## Explanation

A data set required for conversion is unavailable for one of the following reasons:

- The data set is migrated.
- Another job has an exclusive ENQ on the data set.

The subsystem under which the job is being converted has specified that the Converter is not to wait for the data set to become available.

In the message text:

### **dsname**

The name of the unavailable data set

### **jobname**

The jobname of the submitted job

## System action

If the data set is migrated, the system issues a recall for the data set but does not wait for it to become available. In either case (migrated or ENQed) the converting subsystem automatically resubmits the job until the data set becomes available. The system can process other jobs while the required data set remains unavailable.

Note - If the system detects a JCL error in the portion of the job that was processed before the unavailable data set was identified, the job fails and is not automatically resubmitted.

## Operator response

If DFHSM (or the equivalent OEM product) is not active, start DFHSM. Determine if there are any outstanding ENQs against the required data set. If possible, take action to release the ENQs.

## Source

Converter

## Module

IEFCNJLI

---

**IEFC044I**

**DATA SET *dsname* UNAVAILABLE - JOB *job-name* WILL WAIT FOR THE DATA SET**

## Explanation

A data set required for conversion is unavailable because another job has exclusive ENQ on the data set.

In the message text:

### ***dsname***

The name of the data set.

### ***job-name***

The name of the job.

## System action

The system issues message IEFC045D to explain the status of the job.

## Source

Converter

## Module

IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

**IEFC045D**

**TO CANCEL WAIT REPLY 'NO'**

## Explanation

For authorized dynamic allocation, the system requires a data set that is in use by another job. Message IEFC044I names the data set and job.

The subsystem under which the job is being converted has specified that the Converter is to wait for the data set to become available.

## System action

The job waits for the data set to become available, or for a reply of NO.

## Operator response

None. However, if you do not want the job to wait for the data set, reply NO.

## Source

Converter

**Module**

IEFCNJLI

**Routing code**

2,10

**Descriptor code**

4

---

|                 |            |
|-----------------|------------|
| <b>IEFC165I</b> | <i>cmd</i> |
|-----------------|------------|

**Explanation**

A command was entered through the input stream.

In the message text:

*cmd*  
The command that was entered.

**System action**

If the operator is requested to authorize running of commands entered through the input stream, the system issues message IEFC166D asking the operator to respond.

**Operator response**

Respond promptly to message IEFC166D, if issued.

**Source**

Converter

**Module**

IEFCNCMD

**Routing code**

1

**Descriptor code**

5

---

|                 |  |
|-----------------|--|
| <b>IEFC166D</b> | <b>REPLY Y/N TO EXECUTE/SUPPRESS COMMAND</b> |
|-----------------|--|

**Explanation**

The system asks the operator to authorize running of the command displayed in message IEFC165I, which precedes this message.

**Operator response**

Respond promptly. The converter subtask does not process any other jobs until you reply to this message. If the command displayed in preceding message IEFC165I is to be run, enter REPLY id,'Y'. Otherwise, enter REPLY id,'N'.

**Source**

Converter

**Module**

IEFCNCMD

**Routing code**

1

**Descriptor code**

2

---

**IEFC417I** **PROCLIB DEVICE I/O ERROR READING FOR JOB *jobname***

---

**Explanation**

During the processing of a request for a procedure, either instream or cataloged, the system found an I/O error in reading or searching the SYS1.PROCLIB data set or a user procedure library.

In the message text:

***jobname***

The job with the request for a procedure.

**System action**

The system ends the job. If the error occurred in reading the procedure library, the job scheduler also issues message IEFC603I in the SYSOUT data set. If the error occurred in searching the procedure library, the job scheduler also issues message IEFC614I in the SYSOUT data set.

**Operator response**

Rerun the job, if available.

**System programmer response**

Look at the messages in the job log. If the problem cannot be resolved, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source**

Converter

**Module**

IEFCNEXP, IEFCNGST, IEFCNINC, IEFCNISP

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC452I** ***text* - JOB NOT RUN - JCL ERROR**

---

## Explanation

Depending on the message text, one of the following:

### **JOBFAIL**

The error was detected on a JOB statement and the job name is not known.

### **INVALID**

The system detected an error in a JOB or other JCL statement, and the job name (the label on the JOB statement) is invalid.

### ***jobname***

The system detected an error in a JCL statement, or the job was cancelled while on the input queue.

### ***procstep***

The procedure was specified in the first operand of a START command. In this case, either the procedure was not found in SYS1.PROCLIB or, if found, the procedure had an error in a JCL statement. Message IEE122I or IEE132I will always follow this message.

The error message appears in the SYSOUT data set.

This message can also be issued for various environmental errors, such as an error occurring while trying to read a record from the JCL text data set or an I/O error occurring while trying to get procedure statements.

## System action

If the operator cancelled the job, all steps of the job, beginning with the step currently being processed, will be ended. Otherwise, the job will not be initiated; no steps will be processed. If *procstep* appears, the START command will not be run.

## Operator response

If the job name appears, none. If *procstep* appears, either reenter the START command with the correct procedure name, or, if the procedure name is correct, notify the application programmer.

## Programmer response

Check the procedure for errors.

## Source

Converter

## Module

IEFCNJRT

## Routing code

2,10

## Descriptor code

4

---

**IEFC601I****INVALID JCL STATEMENT**

## Explanation

The system found an incorrect statement in the JCL.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors.

## System programmer response

Obtain the JCL for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the procedure and resubmit the job.

## Source

Converter

## Module

IEFCNDD, IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC602I****EXCESSIVE NUMBER OF EXECUTE STATEMENTS**

## Explanation

The system found more than 255 EXECUTE statements in one job. The maximum number of EXEC PGM= statements allowed in one job is 255.

## System action

The system ends conversion. The system does not scan the remaining job control statements for syntax errors. The system does not run the job.

## Programmer response

Divide the job into multiple jobs and submit them.

## Source

Converter

## Module

IEFCNEXC

## Routing code

2,10

## Descriptor code

4

---

**IEFC603I****PROCLIB DEVICE I/O ERROR READING FOR JOB**

---

## Explanation

During processing of a job that requested a cataloged procedure, the system found an uncorrectable input/output (I/O) error in reading the SYS1.PROCLIB data set or a user procedure library.

## System action

The system ends the job being processed. The job scheduler issues message IEFC417I to the console and the operator resubmitted the job, if it was available.

## Source

Converter

## Module

IEFCNGST, IEFCNISP

## Routing code

2,10

## Descriptor code

4

---

**IEFC605I****UNIDENTIFIED OPERATION FIELD**

---

## Explanation

In a JCL statement, the system either could not find an operation field or could not identify the operation field as a valid JCL verb or a valid operator command. The system also issues this message if the flagged statement is a continuation of a statement containing syntax errors.

## System action

The system ends the job. The system scans the remaining JCL statements for syntax errors.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check that the operation field is spelled correctly and that it is preceded and followed by at least one blank. After correcting the error, submit the job again.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC607I**

**JOB HAS NO STEPS**

---

## Explanation

The system did not find either:

- An EXEC statement in the JCL statements following a JOB statement
- A PEND statement in a job that contains a PROC statement prior to any EXEC or SYSCHK DD statement

## System action

The system ends the job, issues messages about the job, and scans the remaining JCL statements for syntax errors. The system either adds a dummy EXEC statement with EXECFAIL in its name field, or, if a PEND statement is missing, considers the remainder of the job part of the input stream procedure.

## System programmer response

Obtain the SYSOUT output for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Insert an EXEC or PEND statement or correct the EXEC or PEND statement containing errors. Submit the job again.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC609I**

**INVALID OVERRIDE KEYWORD *keyword***

---



## Explanation

The system found an invalid keyword on a procedure override statement.

In the message text:

### **keyword**

The name of the keyword that is not valid.

## System action

The system ends the job and issues messages about the job. The system scans the remaining JCL statements for syntax errors.

## Programmer response

Check if the keyword supports procedure overriding. Correct the JCL to delete the invalid keywords and/or statements and resubmit the job.

## Source

Converter

## Module

IEFCNJDT

## Routing code

Note 36

---

**IEFC610I****PROCEDURE HAS NO STEP**

## Explanation

The system did not find an EXEC statement in a procedure.

## System action

The system ends the job and issues messages about the job. The system scans the remaining JCL statements for syntax errors.

## System programmer response

Obtain the SYSOUT output for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Correct the procedure by inserting an EXEC statement or correcting the EXEC statement that contained errors. Submit the job again.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC611I**

**OVERRIDDEN STEP NOT FOUND IN PROCEDURE**

---

## Explanation

The system did not find a step name specified by an EXEC or DD statement. That EXEC or DD statement was to override a corresponding EXEC or DD statement in a cataloged or input stream procedure. One of the following may have occurred:

- The step name was misspelled.
- The DD override statements did not appear in the same order as the corresponding statements in the procedure.

## System action

The system ends the job, issues messages about the job, and scans the remaining JCL statements for syntax errors.

## System programmer response

Obtain the SYSOUT output for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Do one of the following:

- Correct the step name in the EXEC or DD statement in the input stream.
- Correct the order of the step names in the EXEC statement in the input stream.
- Correct the order of the DD override statements in the input stream.
- Correct the procedure.

Submit the job again.

## Source

Converter

## Module

IEFCNFOV, IEFCNPOV

## Routing code

2,10

## Descriptor code

4

**IEFC612I**

**PROCEDURE [*procname*] WAS NOT FOUND**

---

### Explanation

The system could not find a procedure in the input stream procedure directory, in any library specified on the JCLLIB statement, or in the system procedure library concatenation. If the procedure is:

- Processed by JES2 or JES3 and is invoked by a START command, then the system procedure library concatenation is specified by the PROCLIB statement on the JOBCLASS(STC) statement unless the name of the procedure being started is the same as the name of a subsystem (defined either via IEFSSNxx or dynamically). If the name of the procedure being started is the same as the name of a subsystem, the procedure will be started under the Master Subsystem (MSTR). Since the only procedure libraries available to the Master Subsystem are those specified in the MSTJCLxx's IEFPDSI data set, any procedures being started which are defined in the job entry subsystem's PROC00 data set, but not in the MSTJLxx IEFPDSI data set will be unavailable and will therefore receive message IEFC612I.
- Invoked by a batch job, then the system procedure library concatenation is specified by the PROCLIB statement on the job's corresponding JOBCLASS statement
- Processed by the master scheduler address space, then the system procedure library concatenation is specified by the IEFPDSI DD statement of the current MSTJCLxx member.

The procedure name might be misspelled or the PEND statement ending the previous input stream procedure might not have been found.

In the message text:

#### ***procname***

The name of the procedure that the system could not find.

### System action

The system ends the job, but scans the remaining job control statements for syntax errors. The system sends messages about the job to the job log.

### System programmer response

Look at the messages in the job log. If the problem cannot be resolved, Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### Programmer response

Verify that the procedure that was not found exists in one of the procedure libraries that was searched. Correct the procedure name in the EXEC statement in the input stream, in the PROC statement in the input stream, or in the procedure library. If the procedure name is correct, insert a missing PEND statement. Check that an input stream procedure appears in the job before any of the EXEC statements that call it. Then submit the job again. If the problem persists, contact the system programmer.

### Source

Converter

### Module

IEFCNEXP, IEFCNINC

## Routing code

2,10

## Descriptor code

4

---

**IEFC614I**

**PROCLIB DEVICE I/O ERROR SEARCHING FOR PROCEDURE/INCLUDE**

## Explanation

During processing of a job that requested a cataloged procedure or an include member, the system found an uncorrectable input/output (I/O) error while searching the SYS1.PROCLIB data set or a user procedure library.

## System action

The system ends the job and issues message IEFC417I to the console.

## Source

Converter

## Module

IEFCNEXP, IEFCNINC

## Routing code

2,10

## Descriptor code

4

---

**IEFC616I**

**SUBLIST WITHIN SUBLIST INCORRECT *text***

## Explanation

The system found that a subparameter list was specified within a subparameter list. This arrangement is incorrect in a JCL statement. Possibly, too many parentheses were used, so that a list appeared to be within a list.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement in error.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job, issues messages about the job, and scans the remaining JCL statements for syntax errors.

**System programmer response**

Obtain the SYSOUT output for the job. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Correct the subparameter and submit the job again.

**Source**

Converter

**Module**

IEFCNDD, IEFCNEXC, IEFCNINC, IEFCNJDT, IEFCNJLI, IEFCNJOB

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC618I****OPERAND FIELD DOES NOT TERMINATE IN COMMA OR BLANK**

## Explanation

The system found that the operand field in a JCL statement does not end with one of the following:

- A comma after the last parameter on a line, if the statement is to be continued on the next line. The comma must be before column 72.
- A blank after the last parameter, if the statement is not to be continued. The blank may be in column 72 or any previous column.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the operand field, then submit the job again.

## Source

Converter

## Module

IEFCNPJR

## Routing code

2,10

## Descriptor code

4

---

**IEFC620I** UNIDENTIFIABLE CHARACTER *c text*

## Explanation

The system found an incorrect character in a JCL statement. All characters in a job control statement must belong to the character sets defined in [z/OS MVS JCL User's Guide](#).

In the message text:

**c**

The incorrect character in the job statement.

**text**

*text* is one of the following:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified. In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement. In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME. In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field. In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Change any incorrect characters, and submit the job again.

**Source**

Converter

**Module**

IEFCNDD, IEFCNEXC, IEFCNPJR, IEFCNPRC

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC621I****EXPECTED CONTINUATION NOT RECEIVED**

## Explanation

The system did not find an expected continuation on the next line in a JCL statement. The system found either a comma at the end of the last operand on a line or a nonblank character in column 72, but the next line was not a continuation.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Provide the missing continuation line. If no continuation was intended, correct the line so that column 72 is blank and the last operand ends with a blank.

If the continuation line was present, correct it so that slashes (//) appear in columns 1 and 2, a blank appears in column 3, and the continuation of a comment begins anywhere after column 3 or the continuation of the operand begins in columns 4 through 16. Submit the job again.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC622I**

**UNBALANCED PARENTHESIS** *text*

## Explanation

The system found one of the following in a JCL statement:

- A valid left parenthesis not followed by a right parenthesis
- A valid right parenthesis not preceded by a left parenthesis
- A right parenthesis where it is not permitted

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.



**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the error and submit the job again.

**Source**

Converter

**Module**

IEFCNPJR

**Routing code**

2,10

## Descriptor code

4

IEFC624I

INCORRECT USE OF PERIOD *text*

---

### Explanation

In a JCL statement, the system found a period in a parameter or field where a period is not permitted.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.

### System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

### System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the statement contains any incorrect characters, correct it. Submit the job again.

## Source

Converter

## Module

IEFCNDD, IEFCNEXC, IEFCNJDT, IEFCNJOB, IEFCNPJR, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC625I**

**INCORRECT USE OF PARENTHESIS *text***

## Explanation

In a JCL statement, the system found a parenthesis in a parameter or field where a parenthesis is not permitted.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

If the statement contains any incorrect characters, correct it. Submit the job again.

**Source**

Converter

**Module**

IEFCNDD, IEFCNEXC, IEFCNJOB, IEFCNPJR, IEFCNPRC

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC626I** **INCORRECT USE OF PLUS *text*****Explanation**

In a JCL statement, the system found a plus sign in a parameter or field where a plus sign is not permitted.

In the message text:

**IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the statement contains any incorrect characters, correct it. Submit the job again.

## Source

Converter

## Module

IEFCNDD, IEFCNEXC, IEFCNJOB, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC627I**

**INCORRECT USE OF AMPERSAND *text***

## Explanation

In a JCL statement, the system found an ampersand in a parameter or field where an ampersand is not permitted.

In the message text:

**IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

If the statement contains any incorrect characters, correct it. Submit the job again. The possibility exists that a variable cannot be substituted because the scope of its assignment has been exceeded. If the statement contains ampersands as part of a system symbol such as &SYSNAME., the job is running in a jobclass that does not include SYSSYM=ALLOW. Select a different jobclass or contact the system programmer and ask for SYSSYM=ALLOW to be added to the jobclass definition.

**Source**

Converter

## Module

IEFCNDD, IEFCNEXC, IEFCNJOB, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC628I**

**INCORRECT USE OF ASTERISK *text***

---

## Explanation

In a JCL statement, the system found an asterisk in a parameter or field where an asterisk is not permitted.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the statement contains any incorrect characters, correct it. Submit the job again.

## Source

Converter

## Module

IEFCNDD, IEFCNEXC, IEFCNJDT, IEFCNJOB, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC629I**

**INCORRECT USE OF APOSTROPHE *text***

## Explanation

In a JCL statement, the system found an incorrectly used apostrophe. Single apostrophes are used to enclose certain parameters containing special characters or blanks. Two apostrophes within a parameter enclosed in apostrophes are used to represent an apostrophe.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.



### IN THE SYMBOLIC PARAMETER

The error was detected in the symbolic parameter.

### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The error was detected in the field that assigns a value to a symbolic parameter.

### IN THE *parameter* OVERRIDE FIELD

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If the statement contains any incorrect characters, correct it. Submit the job again.

## Source

Converter

## Module

IEFCNCMD, IEFCNDD, IEFCNEXC, IEFCNJLI, IEFCNJOB, IEFCNPJR, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC630I**

**UNIDENTIFIED KEYWORD *text***

## Explanation

In a JCL statement, the system found one of the following:

- A character string followed a blank or comma and preceded an equal sign that could not be recognized as a valid keyword. Either the keyword was misspelled, the equal sign was misplaced or, because of the absence of a right parenthesis after the previous major keyword, a valid major keyword was considered a minor keyword or the keyword was not valid.
- A valid subparameter keyword appeared without its corresponding parameter keyword; for example, SER without VOLUME.
- A valid keyword was not consistent with the statement operation code; for example, DSNNAME in an EXEC statement.

In the message text:

**IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Check that the keyword is spelled correctly and positioned properly. Submit the job again.

**Source**

Converter

**Module**

IEFCNDD, IEFCNEXC, IEFCNINC, IEFCNJDT, IEFCNJLI, IEFCNJOB

## Routing code

2,10

## Descriptor code

4

---

**IEFC632I****FORMAT ERROR {IN THE *prm* FIELD | ON THE *cntr* STATEMENT}**

---

## Explanation

The system detected an error in a parameter in a job control statement.

Examples of errors detected by the converter are as follows:

- No enclosing parenthesis appeared
- A comma, right parenthesis, ampersand, or blank did not follow a right parenthesis in a SPACE parameter
- The keyword specified is shorter than the required length

Examples of errors detected by the interpreter are as follows:

- Too many or too few levels of qualification were specified
- An operator was missing in the COND parameter
- The EVEN and ONLY subparameters were both specified in the COND parameter of the EXEC statement

In the message text:

### **prm**

The last correctly specified keyword parameter preceding the error.

### **cntr**

The job control statement on which the error occurred.

## System action

The system ends the job.

## Operator response

Correct the parameter on the job control statement. Run the job again.

## Source

Converter

## Module

IEFCNCMD, IEFCNEXC, IEFCNINC, IEFCNJLI

## Routing code

2,10

## Descriptor code

4

---

**IEFC635I****JOBNAME MISSING ON THE JOB STATEMENT. SPECIFY JOBNAME AND RE-SUBMIT.**

---

## Explanation

The system could not find the job name, which must appear in the name field of a JOB statement. The system detected the error before it processed any keywords.

## System action

The system ends the job. The system scans the remaining JCL statements for syntax errors and issues messages about the job to the job log.

## Programmer response

Specify a job name and submit the job again.

## Source

Converter

## Module

IEFCNGST

---

**IEFC640I**

**EXCESSIVE NUMBER OF POSITIONAL PARAMETERS *text***

---

## Explanation

The system found too many positional parameters in a JCL statement. A misplaced comma, a duplication, or a null operand field could cause such an error.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Check for duplicate positional parameters or misplaced commas. Submit the job again.

**Source**

Converter

**Module**

IEFCNBLD, IEFCNDD, IEFCNEXC, IEFCNINC, IEFCNJDT, IEFCNJLI, IEFCNJOB, IEFCNPRC

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC641I****IMPROPER SUBPARAMETER LIST *text*****Explanation**

The system found a JCL statement with an incorrect subparameter list for a positional parameter. Either such a list is required and is missing, or is not permitted but is present.

In the message text:

**IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the parameter and submit the job again.

**Source**

Converter

**Module**

IEFCNBLD, IEFCNDD, IEFCNEXC, IEFCNINC, IEFCNJDT, IEFCNJLI, IEFCNJOB, IEFCNPRC

**Routing code**

2,10

**Descriptor code**

4

---

**IEFC642I****EXCESSIVE PARAMETER LENGTH *text***

## Explanation

In a JCL statement, the system found a parameter that was longer than permitted.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Shorten the parameter to the maximum permitted length or less. Then submit the job again.

## Source

Converter

## Module

IEFCNBLD, IEFCNCMD, IEFCNDD, IEFCNEXC, IEFCNINC, IEFCNJLI, IEFCNJOB, IEFCNPOV, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC646I**

**REQUIRED POSITIONAL PARAMETER MISSING *text***

---

## Explanation

In a JCL statement, the system did not find a required positional parameter or subparameter.

In the message text:

### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### ***parameter***

The last correctly specified keyword parameter preceding the error.

### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### ***cntr***

The statement on which the error occurred.

### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

#### ***parameter2***

The major keyword parameter.

### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.



## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Insert the missing parameter or subparameter and submit the job again.

## Source

Converter

## Module

IEFCNCMD, IEFNCDD, IEFCNEXC, IEF CNJLI, IEF CNJOB, IEF CNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC647I** FIRST CHARACTER OF NAME MUST BE ALPHABETIC OR NATIONAL *text*

## Explanation

In a JCL statement, the system found that the first character in a name is not alphabetic or national. The name can be the name field, a procedure name in a parameter, a program name in a parameter, a data set name, or a part of a qualified data set name.

In the message text:

### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

#### *parameter*

The last correctly specified keyword parameter preceding the error.

### ON THE *cntr* STATEMENT

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

#### *cntr*

The statement on which the error occurred.

### IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

#### *parameter1*

The minor keyword parameter associated with a major keyword parameter.

#### *parameter2*

The major keyword parameter.

### IN THE SYMBOLIC PARAMETER

The error was detected in the symbolic parameter.

**Note:** A symbolic parameter consists of a single ampersand (&) followed by a maximum of seven alphanumeric (A through Z and 0 through 9) and national (@, #, \$) characters. The first character after the ampersand must be alphabetic or national, that is, it cannot be a number.

### IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER

The error was detected in the field that assigns a value to a symbolic parameter.

### IN THE *parameter* OVERRIDE FIELD

The error was detected in an override field.

In the message text:

#### ***parameter***

An override keyword parameter on an EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the name field and submit the job again.

## Source

Converter

## Module

IEFCNEXC, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

**IEFC650I**

**INCORRECT USE OF SLASH *text***

## Explanation

In a JCL statement, the system found a slash in a parameter or field in which a slash is not permitted.

In the message text:

### IN THE *parameter* FIELD

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

***parameter***

The last correctly specified keyword parameter preceding the error.

**ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

***cntr***

The statement on which the error occurred.

**IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

***parameter1***

The minor keyword parameter associated with a major keyword parameter.

***parameter2***

The major keyword parameter.

**IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

**Note:** A symbolic parameter consists of a single ampersand (&) followed by a maximum of seven alphanumeric (A through Z and 0 through 9) and national (@, #, \$) characters. The first character after the ampersand must be alphabetic or national, that is, it cannot be a number.

**IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

**IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

***parameter***

An override keyword parameter on an EXEC statement.

**System action**

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

**System programmer response**

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Correct the parameter or field and submit the job again.

**Source**

Converter

**Module**

IEFCNDD, IEFCNEXC, IEFCNJOB, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

IEFC651I

INCORRECT USE OF HYPHEN *text*

---

### Explanation

In a JCL statement, the system found a hyphen sign in a parameter or field where a hyphen is not permitted.

In the message text:

#### **IN THE *parameter* FIELD**

The keyword must be followed by an equal sign to be considered correctly specified.

In the message text:

##### ***parameter***

The last correctly specified keyword parameter preceding the error.

#### **ON THE *cntr* STATEMENT**

The error was detected before any keyword parameters were processed. For example, an error was detected in the name field of a statement.

In the message text:

##### ***cntr***

The statement on which the error occurred.

#### **IN THE *parameter1* SUBPARAMETER OF THE *parameter2* FIELD**

The error was detected in a subparameter. For example, SER is a minor keyword parameter that appears only when associated with major keyword parameter VOLUME.

In the message text:

##### ***parameter1***

The minor keyword parameter associated with a major keyword parameter.

##### ***parameter2***

The major keyword parameter.

#### **IN THE SYMBOLIC PARAMETER**

The error was detected in the symbolic parameter.

#### **IN THE VALUE FIELD OF THE SYMBOLIC PARAMETER**

The error was detected in the field that assigns a value to a symbolic parameter.

#### **IN THE *parameter* OVERRIDE FIELD**

The error was detected in an override field.

In the message text:

##### ***parameter***

An override keyword parameter on an EXEC statement.

### System action

The system ends the job. The system scans the remaining job control statements for syntax errors. and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the parameter or field and submit the job again.

## Source

Converter

## Module

IEFCNDD, IEFCNEXC, IEFCNJOB, IEFCNPRC

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFC652I</b> | <b>DLM INCORRECTLY SPECIFIED ON A NON SYSIN DD STATEMENT (ONE THAT DOES NOT CONTAIN A * OR DATA PARAMETER)</b> |
|-----------------|--|

## Explanation

The system found a DLM parameter on a DD statement that was not a SYSIN type DD statement. This parameter is only valid when coded on statements defining data in the input stream, that is, DD \* and DD DATA statements.

## System action

The system ends the job and scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Correct the DD statement, then submit the job again.

## Source

Converter

## Module

IEFCNDD

## Routing code

2,10

## Descriptor code

4

---

**IEFC653I****SUBSTITUTION JCL - *text***

## Explanation

The system found one or more symbolic parameters.

In the message text:

### ***text***

The text that results from the symbolic parameter substitution.

## System action

The system continues processing the job.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC654I****ILLEGAL USE OF SYMBOLIC ON SYSIN STATEMENT**

## Explanation

A symbolic parameter, which resolved to an \* or data, was specified on a SYSIN type DD statement, but symbolic parameters are not permitted to be used in place of these positional parameters, which are used to designate a DD statement as a SYSIN.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## Operator response

See the system programmer response.



## Descriptor code

4

---

**IEFC658I**

**PROC VERB STATEMENT OUT OF SEQUENCE**

## Explanation

The system found a statement with PROC in its operation field that was not the first statement in a procedure. The PROC statement is valid only as the first statement in a procedure.

## System action

The system ends the job and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

If a PROC statement is to be used, make sure that it appears only as the first statement in the procedure. Resubmit the job.

## Source

Converter

## Module

IEFCNEXP, IEFCNINC

## Routing code

2,10

## Descriptor code

4

---

**IEFC659I**

**IEFC659I key INCORRECTLY SPECIFIED ON A NON SYSIN DD  
STATEMENT (ONE THAT DOES NOT CONTAIN A \* OR DATA PARAMETER)**

## Explanation

The system found a keyword on a DD statement that was not a SYSIN type DD statement. This parameter is only valid when coded on statements defining data in the input stream, which are DD \* and DD DATA statements.

## System action

The system ends the job and scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.



## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center and provide the SYSOUT output for the job.

## Programmer response

Correct the DD statement, then submit the job again.

## Source

Converter

## Module

IEFCNDD

## Routing code

2,10

## Descriptor code

4

---

**IEFC660I**

**MISSING SYSCHK DD STATEMENT**

## Explanation

During running of a deferred checkpoint restart, the system found the RESTART parameter of the JOB statement specified a checkpoint identification. However, a SYSCHK DD statement did not precede the first EXEC statement in the resubmitted JCL statements.

## System action

The system ends the restart. and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Place a SYSCHK DD statement before the first EXEC statement. Then resubmit the job.

## Source

Converter

## Module

IEFCNSOR

## Routing code

2,10

## Descriptor code

4

---

**IEFC662I****INVALID LABEL**

## Explanation

The system found that the statement label in the name field is too long or contains an incorrect character. The name field begins in column 3, following the // in columns 1 and 2. For the correct format of the name field, see [z/OS MVS JCL Reference](#).

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors.

## System programmer response

Follow the guidelines specified in [z/OS MVS JCL Reference](#). If the problem persists, contact the IBM Support Center.

## Programmer response

Correct the name field of the statement and submit the job again.

## Source

Converter

## Module

IEFCNGST

## Routing code

2,10

## Descriptor code

4

---

**IEFC663I****NO LABEL ON THE PROC STATEMENT**

## Explanation

The system did not find a name specified in the name field of the PROC statement for an input stream procedure.

## System action

The system ends the job. The system scans the remaining JCL statements for syntax errors.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Specify a name in the name field of the PROC statement. Then submit the job again.

## Source

Converter

## Module

IEFCNISP

## Routing code

2,10

## Descriptor code

4

---

**IEFC665I****EXCESSIVE NUMBER OF INSTREAM PROCEDURES**

---

## Explanation

The system found that the job fills the data set with input stream procedures.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors and issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Eliminate enough input stream procedures to enable the job to run again.

## Source

Converter

## Module

IEFCNISP

## Routing code

2,10

## Descriptor code

4

---

**IEFC668I****PEND VERB STATEMENT OUT OF SEQUENCE**

---

## Explanation

The system found a PEND statement that does not end an input stream procedure for one of the following reasons:

- The PEND statement is not preceded by a valid PROC statement.
- The procedure contains data, a DD \* statement, or a DD DATA statement.
- The PEND statement is an incorrect continuation of the previous statement.

The PEND verb is valid only as the last statement in the input stream procedure.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors.

## Programmer response

If the PEND statement is unnecessary, remove it. Otherwise, do one of the following:

- Supply a correct PROC statement.
- Remove from the input stream procedure the data, DD \* statement, or DD DATA statement.
- Correct the previous statement.

Resubmit the job.

## Source

Converter

## Module

IEFCNINC, IEFCNJRT

## Routing code

2,10

## Descriptor code

4

---

**IEFC677I**

**WARNING MESSAGE(S) FOR JOB *jobname* ISSUED**

## Explanation

While converting or interpreting the JCL for this job, the system found an error but used a system default.

In the message text:

***jobname***

The name of the job.

## System action

The system issues attention messages at the end of the JCL for the job.

## Operator response

Check the attention messages to identify the default.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Source

Converter

## Module

IEFCNJOB, IEFCNWRT

## Routing code

2

## Descriptor code

4

---

**IEFC678I**

**DEVICE I/O ERROR CONVERTING/INTERPRETING JCL**

---

## Explanation

The system found an uncorrectable input/output (I/O) error while processing a JCL statement.

## System action

The system ends the job being processed when the error occurs. The system issues message IEFC679I to the console. In response the operator reentered the job through the input stream.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Notify the system programmer. Provide a copy of the output.

## Source

Converter

## Module

IEFCNGST, IEFCNJRT, IEFCNWRT

## Routing code

2,10

## Descriptor code

4

**Explanation**

The system found an uncorrectable input/output (I/O) error while processing a JCL statement.

In the message text:

***jobname***

The name of the job.

**System action**

The system ends the job and issues message IEFC678I to the SYSOUT data set to inform the programmer.

**Operator response**

Restart the job in the input stream.

**Source**

Converter

**Module**

IEFCNGST, IEFCNJRT, IEFCNWRT

**Routing code**

2,10

**Descriptor code**

4

**Explanation**

The system found an uncorrectable input/output (I/O) error while writing a JCL statement or a diagnostic message to a SYSOUT data set.

In the message text:

***jobname***

The name of the job.

**System action**

The system ends the job.

**Operator response**

Restart the job in the input stream.

**System programmer response**

Look at the messages in the job log. If the problem cannot be resolved, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Source

Converter

## Module

IEFCNIMM

## Routing code

2,10

## Descriptor code

4

---

|                 |   |
|-----------------|---|
| <b>IEFC683I</b> | <b>{CONVERTER   INTERPRETER } TERMINATED DUE TO <i>abendcde</i> ABEND</b><br><b>REASON=<i>reason-code</i></b> |
|-----------------|---|

## Explanation

The system found an uncorrectable error while processing a JCL statement.

In the message text:

### **CONVERTER**

The converter ended.

### **INTERPRETER**

The interpreter ended.

### ***abendcde***

The system completion code.

### ***reason-code***

The reason code associated with the abend code or zero, if there is no reason code. The value is significant only if the REASON keyword is coded on the ABEND macro.

## System action

The system ends the job and issues messages about the job to the job log.

## System programmer response

See the system programmer response for the abend code. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Notify the system programmer. Provide a copy of the output.

## Source

Converter

## Module

IEFCNREX

## Routing code

3

## Descriptor code

6

---

**IEFC690I**

**SCHEDULING ENVIRONMENT *schenvname* DOES NOT EXIST IN THE  
WLM SERVICE DEFINITION**

## Explanation

The scheduling environment specified by the SCHENV keyword was not found in the active WLM service definition.

In the message text:

### ***schenvname***

The name of the scheduling environment.

## System action

The system ends the job.

## Programmer response

Check with your system administrator for valid scheduling environment names.

## Source

Converter

## Module

IEFCNWRT

---

**IEFC691I**

**INCORRECT USE OF THE SCHENV FIELD**

## Explanation

The value specified for the SCHENV keyword failed syntax checking.

The syntax rules are:

- The SCHENV value cannot be empty.
- The maximum length of the SCHENV field is 16.
- No more than one value is permitted on the SCHENV field.

## System action

The system ends the job.

## Programmer response

Correct the *schenvname* value, then resubmit the job.

## Source

Converter



## Module

IEFCNWRT

---

**IEFC744I**

**SUBSYSTEM NOT SPECIFIED**

---

## Explanation

The system found a SUBSYS keyword without a subsystem name coded.

## System action

The system ends the job. The system scans The remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Add the appropriate parameter to designate the subsystem to process the request. Resubmit the job.

## Source

Converter

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

---

**IEFC745I**

**SUBSYSTEM *ssysname* DOES NOT SUPPORT THE SUBSYSTEM KEY WORD**

---

## Explanation

The system found that the subsystem specified with the SUBSYS keyword at the time the job was run did not support the SUBSYS keyword on the DD statement.

In the message text:

### ***ssysname***

The name of the subsystem.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Obtain the JCL for the job and collect all printed output and output data sets related to the problem. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Consult the subsystem documentation to determine if the subsystem supports the JCL parameters. If the subsystem does support the JCL parameters, make sure that the subsystem has become fully operational on the processor on which the job will be read in.

## Source

## Converter

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

**IEFC746I** **SUBSYSTEM *ssysname* DOES NOT EXIST**

### Explanation

The system found that the subsystem name specified on the SUBSYS keyword is not defined to the system on which the job underwent JCL conversion.

In the message text:

***ssysname***

The name of the subsystem.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Obtain the JCL for the job and collect all printed output and output data sets related to the problem. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Verify the spelling of the subsystem name with the system programmer. Resubmit the job.

## Source

## Converter

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

---

**IEFC747I**

**SUBSYSTEM *ssysname* IS NOT OPERATIONAL**

---

## Explanation

The system found that a subsystem is defined to the system on which the job underwent JCL conversion, but has not been initialized or has not become operational. Either the subsystem had an error in system initialization, or it has not been started by the operator.

In the message text:

### ***ssysname***

The name of the subsystem.

## System action

The system ends the job and issues messages about the job to the job log.

## Operator response

Check that the subsystem is operational on the processor on which the job will undergo JCL conversion.

## System programmer response

Obtain the JCL for the job and collect all printed output and output data sets related to the problem. Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Check with the operator to ensure that the subsystem is operational on the processor on which the job is converted. See the documented restriction pertaining to a loosely-coupled multiprocessing environment for the SUBSYS= keyword on the DD statement in the JCL Reference information. Resubmit the job.

## Source

Converter

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

---

**IEFC748I****SUBSYSTEM NAME INVALID**

---

### Explanation

The system found that a subsystem name specified on the SUBSYS keyword contained an incorrect character or was longer than 4 characters.

### System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

### System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again.

If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

### Programmer response

Correct the subsystem name and resubmit the job.

### Source

Converter

### Module

IEFCNWRT

### Routing code

2,10

## Descriptor code

4

---

**IEFC750I****SYSTEM ERROR IN PROCESSING SUBSYS DD PARAMETER**

---

### Explanation

The system found an error while processing a DD statement containing a SUBSYS keyword parameter.

### System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

### System programmer response

Look at the messages in the job log. Ensure that the SUBSYS specified in the failing JCL statement is defined to the system on which the job was converted. You can do this through the D SSI,SUBSYS=xxxx command. See the [z/OS MVS JCL Reference](#) for subsystem keyword information. If the problem cannot be resolved, search the

problem reporting databases for a fix. If no fix exists, contact the IBM Support Center. Provide the SYSOUT from the failing job and the display command output.

## Programmer response

Notify the system programmer.

## Source

Converter

## Module

IEFCNWRT

## Routing code

2,10

## Descriptor code

4

---

|          |  |
|----------|--|
| IEFC822I | KEYWORD <i>keyword</i> NOT SUPPORTED {BEFORE   AFTER} FIRST EXEC STATEMENT |
|----------|--|

## Explanation

In a JCL statement, the system found an incorrectly specified keyword.

In the message text:

### ***keyword***

The incorrectly specified keyword.

### **BEFORE**

The keyword came before the first EXEC statement.

### **AFTER**

The keyword came after the first EXEC statement.

## System action

The system ends the job. The system scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

## System programmer response

Look at the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

## Programmer response

Place the keyword in proper relation to the first EXEC statement. Resubmit the job.

## Source

Converter

**Module**

IEFCNJDT

**Routing code**

2,10

**Descriptor code**

4

---

## Chapter 6. IFEF messages

---

**IEFE001I**

**ENF SYSPLEX-WIDE NOTIFICATION AVAILABLE**

### Explanation

The event notification facility has initialized successfully. It can transmit ENF signals to other systems in the sysplex and receive signals from those systems.

### System action

The system continues processing.

### Operator response

None.

### System programmer response

None.

### Source

Event Notification Facility (BB131)

### Module

IEFENFAI

### Routing code

2

### Descriptor code

4

---

**IEFE002I**

**ENF SYSPLEX-WIDE NOTIFICATION NOT AVAILABLE, REASON: *reason***

### Explanation

The event notification facility is unable to perform sysplex-wide notification. It cannot transmit cross-system signals to other systems in the sysplex, or receive them from other systems. ENF continues to process events on the local system, including both cross-system-capable events and non-cross-system-capable events.

The reason and explanation for the message text are:

#### **XCF LOCAL OR MONOPLEX MODE**

The system is in XCF local or monoplex mode.

#### **IEFSCHAS ADDRESS SPACE UNAVAILABLE**

The system could not create the IEFCHAS address space.

#### **CROSS-MEMORY FAILURE**

The system could not establish the ENF cross-memory environment.

#### **XCF JOIN FAILURE**

The system could not join the ENF XCF group.

**STORAGE REQUEST FAILURE**

The system could not obtain necessary storage.

**MISSING LOAD MODULE**

The system could not locate a required load module.

**XCF QUERY FAILURE**

The system could not obtain required information about the ENF XCF group.

**LOCK REQUEST FAILURE**

The system could not obtain a required lock.

**RECOVERY FAILURE**

The system was unable to establish recovery to protect the processing required to initialize the sysplex-wide notification function.

**SYSTEM ERROR**

A system error other than those described prevented the initialization of the IEF SCHAS address space.

**System action**

The system continues processing. However:

- The system will not notify other systems in the sysplex of system events occurring on this system that are normally signalled to other systems.
- The system will not notify ENF listeners on this system of system events occurring on other systems.

**Operator response**

Record the reason code provided with the message and notify the system programmer.

**System programmer response**

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

Event Notification Facility (BB131)

**Module**

IEFENFAI, IEF SCHIN

**Routing code**

2,10

**Descriptor code**

4



---

## Chapter 7. IEFI messages

---

**IEFI000I**

**SWA RELOCATION SYSTEM ERROR**

---

### Explanation

While starting an APPC transaction, a USS program, or a job, an unrecoverable error occurred. This error cannot be caused by the programmer.

### System action

The system ends the current APPC transaction and causes the APPC Initiator to end.

### System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

Converter/Interpreter

### Module

IEFITRL

### Routing code

11

### Descriptor code

6

---

**IEFI001I**

**SWA LEVEL NOT CONSISTENT WITH CURRENT SYSTEM**

---

### Explanation

While starting an APPC transaction, a USS program, or a job, error checking found inconsistencies in internal control blocks. This error cannot be caused by the programmer.

### System action

While starting an APPC transaction, error checking found inconsistencies in internal control blocks. This error cannot be caused by the programmer.

### System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Source

Converter/Interpreter

### Module

IEFITRL

## Routing code

11

## Descriptor code

6

---

|         |   |
|---------|---|
| IEFI002 | – <i>jobname</i> CANCELLED BY IEFUAV INSTALLATION EXIT. RETURN CODE<br>= <i>return-code</i> |
|---------|---|

---

## Explanation

The IEFUAV installation exit returned a non-zero return code, indicating that the system should cancel the job.

In the message text:

### *jobname*

The name of the job.

### *return-code*

The value that the system returned in register 15 from IEFUAV.

## System action

The system cancels the current APPC/MVS transaction.

## System programmer response

Determine why the IEFUAV exit returned a non-zero return code. Check the APPC/MVS job log for additional messages issued by IEFUAV. For more information about the IEFUAV exit, see [z/OS MVS Installation Exits](#).

## Source

Converter/Interpreter

## Module

IEFITJT

## Routing code

11

## Descriptor code

6

---

|          |  |
|----------|--|
| IEFI010I | STEPNAME IN JOBRC DOES NOT MATCH ANY STEP IN THE JOB |
|----------|--|

---

## Explanation

The JOBRC keyword was coded with the STEP parameter, but the name of the job step (stepname) or the name of the job step and procname (stepname.procname) in the second parameter was not specified for the job.

## System action

The system fails the job.

## Operator response

None.

## System programmer response

Update the job to include the correct step name or the name of the step and procname (in the form, "stepname.procstep"), and rerun the job.

## Source

Initiator

## Module

IEFIB600

## Routing code

11

## Descriptor code

6

---

IEFI011I

JOBRC SECOND PARAMETER REQUIRES STEP AS FIRST PARAMETER

## Explanation

The JOBRC keyword was coded with a step name (stepname) as the second parameter, but the first parameter was not the STEP keyword.

## System action

The system fails the job.

## Operator response

None.

## System programmer response

Update the job to remove the name of the step or change the first parameter to STEP, and rerun the job.

## Source

Initiator

## Module

IEFVJDTI

## Routing code

11

## Descriptor code

6

**Explanation**

The JOBRC keyword was coded with the STEP parameter, but the name of a job step (stepname) or the name of a job step and procname (stepname.procname) in the second parameter was not specified

**System action**

The system fails the job.

**Operator response**

None.

**System programmer response**

Update the job to include the correct name of the job step or the name of the job step and procname (in the form,"stepname.procstep"), and rerun the job

**Source**

Initiator

**Module**

IEFVJDTI

**Routing code**

11

**Descriptor code**

6

**Explanation**

The system found a keyword parameter SYMLIST without a required value INTRDR on the SYSOUT keyword.

**System action**

The system ends the job and scans the remaining job control statements for syntax errors. The system issues messages about the job to the job log.

**Operator response**

None.

**System programmer response**

Check the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center and provide the SYSOUT output for the job.

## Programmer response

Correct the DD statement, then submit the job again.

## Source

Converter

## Module

EFVJDTI, IEFVDA

---

|                 |  |
|-----------------|--|
| <b>IEFI015I</b> | <b>REGIONX CONFLICTS WITH REGION USAGE ON THE xxxx STATEMENT</b> |
|-----------------|--|

---

## Explanation

The user coded a REGIONX keyword on a statement, which conflicts with the REGION statement that was coded on another statement. REGION and REGIONX must be used consistently within the job.

In the message text:

**xxxx**

The statement type that conflicted with the current statement, either JOB or EXEC.

## System action

The system scans the remaining JCL statements for syntax errors, but does not run the job.

## Operator response

None.

## System programmer response

Check the messages in the job log. If the JOB statement did not specify MSGLEVEL=(1,1), specify it and run the job again. If the problem persists, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center and provide the SYSOUT output for the job.

## Programmer response

Update the EXEC statement to use REGION= instead of REGIONX, or update the JOB statement to use REGIONX=

## Source

System Management Facility (SMF)

## Routing code

Joblog only

## Descriptor code

None



---

## Chapter 8. IEFJ messages

---

**IEFJ000I**

**MASTER SUBSYSTEM DOES NOT SUPPORT SYSIN DATA**

### Explanation

The source JCL for the started task contains a JCL DD statement that references SYSIN data. The master subsystem does not support SYSIN data.

### System action

The START command fails.

### Operator response

Contact the system programmer.

### System programmer response

Remove or correct the DD statements that reference SYSIN data.

### Source

Master subsystem

### Module

IEFJSYSN

### Routing code

Note 10

### Descriptor code

-

---

**IEFJ001I**

***memname* LINE *line-number*: ERROR IN SUBSYSTEM DEFINITION,  
REFER TO HARDCOPY LOG**

### Explanation

The system detected an error in the SUBSYS statement of IEFSSNxx parmlib member *memname* on line number *line-number*. This message is accompanied by an ASAXXXI message written to the hardcopy log, which further explains the error.

**Note:** The error may be caused by the system not recognizing the statement type of the next SUBSYS statement (for example, if it were spelled as "SYBSYS").

In the message text:

#### ***memname***

The name of the parmlib member in which the error was found.

#### ***line-number***

The line number in the parmlib member *memname* that contains the syntax error.

## System action

The system issues this message for the first syntax error in a subsystem definition (SUBSYS) statement. The system does not check the rest of the statement; the statement may contain other syntax errors. The system ignores the statement in error and continues with the next subsystem definition statement. The subsystem associated with this definition statement is not defined. One or more of the following messages will be issued to further explain the error:

- ASA002I
- ASA003I
- ASA006I
- ASA008I
- ASA009I

## Operator response

Notify the system programmer. If the subsystem is the primary subsystem, re-IPL when the system programmer has corrected the problem. If the subsystem is not the primary subsystem, use the SETSSI ADD command to define the subsystem.

## System programmer response

Check the IEFSSNxx member for the invalid SUBSYS statement, and correct the error.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT, IEFJPMSG

## Routing code

-

## Descriptor code

5

---

IEFJ002I

*memname* LINE *line-number*: FORMAT CONFLICT. REMAINDER OF  
*memname* WILL NOT BE PROCESSED

## Explanation

The system determined that this IEFSSNxx member is in the positional format. However, the system detected the SUBSYS keyword as the first substring on line number *line-number* in IEFSSNxx member *memname*, which is in the keyword format. The system assumes any IEFSSNxx member whose first substring is not SUBSYS or /\* is in the positional format.

In the message text:

### ***memname***

The name of the parmlib member in which the error was found.

### ***line-number***

The line number in the parmlib member *memname* that contains the syntax error.



## System action

The system stops processing the IEFSSNxx member. Processing continues with the next IEFSSNxx member specified.

## Operator response

Notify the system programmer. Check the IEFSSNxx member to see which subsystem definitions will not be processed because they occur after the error point. If one of the subsystems not being processed is the primary subsystem, respond to message IEE736A with the name of the primary subsystem. Otherwise, use the SETSSI ADD command to define these subsystems.

## System programmer response

Check to see if:

- The IEFSSNxx member begins with a positional format subsystem definition
- The IEFSSNxx member begins with a keyword format subsystem definition with extraneous text before the first comment block or subsystem definition
- The first SUBSYS keyword is misspelled.

If the first SUBSYS keyword is misspelled, correct the spelling. If the SYS1.PARMLIB member begins with a positional format subsystem definition and contains one or more keyword format subsystem definitions, convert all the subsystem definitions to the same format or move all the definitions of one type of format to another IEFSSNxx member. IBM recommends that you convert all subsystem definitions to the keyword format.

## Source

Subsystem Interface (SSI)

## Module

IEFJSIN2

## Routing code

-

## Descriptor code

5

---

IEFJ003I

DUPLICATE SUBSYSTEM *subname* NOT INITIALIZED

## Explanation

The subsystem name *subname* is a duplicate of an existing subsystem name.

In the message text:

***subname***

The subsystem name.

## System action

The system ignores the duplicate subsystem name. The system does not build a subsystem communication vector table (SSCVT) for the duplicate subsystem name.

## System programmer response

Determine why the same subsystem name *subname* was used more than once.

If the subsystem *subname* is not properly initialized and is needed for system processing, correct the error so that the error does not occur again during subsequent IPLs.

### Source

Subsystem Interface (SSI)

### Module

IEFJPACT, IEFJSINT, IEFJSIN2

### Routing code

2,10

### Descriptor code

4

---

**IEFJ005I** *subname* **INITIALIZATION ROUTINE** *initialization-routine* **ABENDED**

### Explanation

The subsystem initialization routine ended abnormally during its processing.

In the message text:

#### ***subname***

The subsystem name.

#### ***initialization-routine***

The name of the initialization routine which ended abnormally.

### System action

The subsystem is defined, but the subsystem initialization routine that was specified did not complete successfully. The system writes an abend dump only if the initialization routine does not.

## System programmer response

Obtain the abend dump.

### Source

Subsystem Interface (SSI)

### Module

IEFJATCH, IEFJPACT, IEFJSINT, IEFJSIN2

### Routing code

2,10

### Descriptor code

4

**Explanation**

The system could not obtain sufficient storage to define the subsystem.

In the message text:

***subname***

The subsystem name.

**System action**

The subsystem is not defined.

**System programmer response**

If the problem persists, search problem reporting data bases for a fix to the problem. If a fix does not exist, contact the IBM support center.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJPACT, IEFJSINT, IEFJSIN2

**Routing code**

2,10

**Descriptor code**

4

**Explanation**

A system error occurred during initialization of a subsystem specified in the IEFSSNxx member of SYS1.PARMLIB.

In the message text:

***subname***

The subsystem name.

**System action**

The subsystem *subname* is not initialized correctly. The system may take an SVC dump.

**System programmer response**

Obtain the SVC dump.

**Source**

Subsystem Interface (SSI)

## Module

IEFJPACT, IEFJSINT, IEFJSIN2

## Routing code

2,10

## Descriptor code

4

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|                 |  |
|-----------------|--|
| <b>IEFJ008I</b> | <b><i>memname</i>: PRIMARY IGNORED. PREVIOUSLY SPECIFIED IN <i>pri-memname</i></b> |
|-----------------|--|

## Explanation

Two IEFSSNxx parmlib members specified a primary subsystem. The system accepts the first primary subsystem name specified and ignores any subsequent primary subsystem names.

In the message text:

### ***memname***

The name of the parmlib member being processed and ignored.

### ***pri-memname***

The name of the parmlib member that contains the designated primary subsystem and that will be used.

## System action

The system continues processing. The second subsystem is defined and initialized, but is not designated as primary.

## System programmer response

Check the IEFSSNxx parmlib member concatenation. Remove the duplicate entry.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT, IEFJSIN2

## Routing code

2,10

## Descriptor code

4

---

|                 |  |
|-----------------|--|
| <b>IEFJ009E</b> | <b>BEGINPARALLEL KEYWORD SPECIFIED BEFORE SMS SUBSYSTEM DEFINITION</b> |
|-----------------|--|

## Explanation

The IEFSSNxx parmlib member has specified the BEGINPARALLEL keyword before the SMS subsystem definition with an initialization routine name of IGDSSIIN.

## System action

The system continues, but unpredictable errors might occur.

## Operator response

Notify the system programmer.

## System programmer response

Update the IEFSSNxx parmlib member to have the BEGINPARALLEL keyword specified after the SMS subsystem definition.

## Source

Subsystem Interface (SSI)

## Module

IEFJPSR

## Routing code

2,10

## Descriptor code

11

---

**IEFJ022I**

**SETSSI *subcmd* COMMAND FOR SUBSYSTEM *subname* COMPLETED  
SUCCESSFULLY**

## Explanation

The SETSSI command has completed without any errors.

In the message text:

### ***subcmd***

The SETSSI command, where *subcmd* is one of the following:

- ADD
- ACTIVATE
- DEACTIVATE
- DELETE

### ***subname***

The subsystem name.

## System action

The system continues processing.

## Operator response

None.

## System programmer response

None.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

|                 |  |
|-----------------|--|
| <b>IEFJ023I</b> | <b>SETSSI <i>subcmd</i> COMMAND FOR SUBSYSTEM <i>subname</i> COMPLETED<br/>WITH ERRORS</b> |
|-----------------|--|

## Explanation

The system detected an error while processing the SETSSI command.

In the message text:

### ***subcmd***

The SETSSI command, where *subcmd* is one of the following:

- ADD
- ACTIVATE
- DEACTIVATE
- DELETE

### ***subname***

The subsystem name.

## System action

The system does not process the command. One of the following messages is issued to further explain the error:

- IEFJ024I
- IEFJ025I
- IEFJ026I
- IEFJ027I
- IEFJ028I
- IEFJ029I
- IEFJ030I
- IEFJ031I
- IEFJ032I
- IEFJ033I
- IEFJ034I
- IEFJ035I
- IEFJ036I

## Operator response

Check the other message that accompanies this message and take the appropriate action.

## System programmer response

None.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

\*

## Descriptor code

5

---

**IEFJ024I**

**SUBSYSTEM *subname* NOT DEFINED**

---

## Explanation

The subsystem which is the target of the SETSSI ACTIVATE, DEACTIVATE, or DELETE operator command is not defined.

In the message text:

### ***subname***

The subsystem name.

## System action

The system does not process the command.

## Operator response

For the SETSSI ACTIVATE command, add the subsystem using the SETSSI ADD command, then reissue the SETSSI ACTIVATE command.

If the attempted command is SETSSI DEACTIVATE or SETSSI DELETE verify that the target subsystem is the correct subsystem to deactivate or delete. If so, no further action is needed. If not, reissue the command with the correct subsystem name.

## System programmer response

For the SETSSI ACTIVATE command, define the subsystem using either the IEFSSNxx parmlib member (keyword format), the IEFSSI REQUEST=ADD macro or the SETSSI ADD command.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

\*

### Descriptor code

5

**IEFJ025I**                      **SUBSYSTEM *subname* NOT DEFINED USING SSI SERVICES**

### Explanation

The target subsystem of the SETSSI operator command has not been defined by the following intended SSI services:

- The IEFSSNxx parmlib member (keyword format)
- The IEFSSI REQUEST=ADD macro
- The SETSSI ADD command.

In the message text:

***subname***

The subsystem name.

### System action

The system does not process the command.

## Operator response

Notify the system programmer or do not use the SETSSI command for this subsystem.

## System programmer response

Re-IPL using one of the dynamic SSI services.

## Source

### Subsystem Interface (SSI)

## Module

IEFJ PACT

## Routing code

—

### Descriptor code

5

**IEFJ026I**                      **SUBSYSTEM *subname* IS ALREADY DEFINED TO THE SSI**



## Explanation

The target subsystem of the SETSSI operator command is already defined to the SSI.

In the message text:

**subname**

The subsystem name.

## System action

The system does not process the command.

## Operator response

Determine whether the subsystem specified in the SETSSI ADD command invocation is a new version of an existing subsystem or is another subsystem whose name conflicts with that of an existing subsystem.

If the subsystem specified in the SETSSI ADD command invocation is a new version of an existing subsystem, notify the system programmer.

If the name of the subsystem specified in the SETSSI ADD operator command invocation conflicts with that of another existing subsystem, use a new subsystem name and reissue the SETSSI ADD command, specifying the new subsystem name. You can use the DISPLAY SSI command to determine the names that are already in use.

## System programmer response

If the subsystem specified in the SETSSI ADD command invocation is a new version of an existing subsystem, re-IPL the system to install the new version.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

**IEFJ027I**

**SUBSYSTEM INITIALIZATION ROUTINE *initialization-routine* NOT  
FOUND FOR SUBSYSTEM *ssname***

## Explanation

A usable copy of the subsystem initialization routine specified in an IEFSSNxx member of Parmlib or specified on a SETSSI ADD command could not be located.

For example:

- The module was not found.
- The module was found, but it was not APF-authorized.

In the message text:

***initialization-routine***

The name of the subsystem initialization routine.

**System action**

The subsystem is not defined.

**Operator response**

Determine if the subsystem initialization routine name was specified correctly. If it was specified correctly, notify the system programmer. If not, reissue the command or update IEFSSNxx with the correct name.

**System programmer response**

Ensure that the initialization routine is accessible through LINKLIB or LPALIB and is APF-authorized. After correcting the problem, consult the documentation for the subsystem to determine the proper procedure to make the subsystem available. In many cases, the subsystem can be added dynamically using the SETSSI command, but some subsystems may have other requirements, including IPL.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJPACT, IEFJSBLD

**Routing code**

2,10/\*

**Descriptor code**

-/5

---

**IEFJ028I****SUBSYSTEM INITIALIZATION ROUTINE *initialization-routine* ABENDED****Explanation**

The subsystem initialization routine specified in the SETSSI ADD command ended abnormally during its processing.

In the message text:

***initialization-routine***

The name of the subsystem initialization routine.

**System action**

The subsystem is defined, but the subsystem initialization routine that was specified did not complete successfully. The system writes an abend dump only if the initialization routine specifies it.

**Operator response**

Obtain the abend dump if one was written.

**System programmer response**

Obtain the abend dump if one was written.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJPACT

**Routing code**

-

**Descriptor code**

5

---

**IEFJ029I** **INSUFFICIENT STORAGE****Explanation**

The system could not obtain sufficient storage to process the SETSSI command.

**System action**

The system does not process the command.

**System programmer response**

If the problem persists, search problem reporting data bases for a fix for the problem. If a fix does not exist, contact the IBM support center.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJPACT

**Routing code**

-

**Descriptor code**

5

---

**IEFJ030I** **SUBSYSTEM *subname* ALREADY ACTIVE****Explanation**

The SETSSI ACTIVATE command was issued for a subsystem which is already active.

In the message text:

***subname***

The subsystem name.

## System action

The system does not process the command.

## Operator response

Ensure that the subsystem specified in the SETSSI ACTIVATE command invocation is the subsystem that is intended to be activated. If it is, do nothing. Otherwise, re-issue the SETSSI ACTIVATE command specifying the correct subsystem name.

## System programmer response

None.

## Source

## Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

—

### Descriptor code

5

**IEFJ031I**                      **SUBSYSTEM *subname* ALREADY INACTIVE**

### Explanation

The SETSSI DEACTIVATE command was issued for a subsystem which was already inactive.

In the message text:

***subname***

The subsystem name.

### System action

The system does not process the command.

## Operator response

Ensure that the subsystem specified in the SETSSI DEACTIVATE command invocation is the subsystem that is intended to be deactivated. If it is, do nothing. Otherwise, re-issue the SETSSI DEACTIVATE command specifying the correct subsystem name.

## System programmer response

None.

## Source

### Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

|          |   |
|----------|---|
| IEFJ032I | SUBSYSTEM <i>subname</i> VECTOR TABLE NOT AVAILABLE |
|----------|---|

## Explanation

An eligible subsystem vector table (SSVT) does not exist for the subsystem specified in the SETSSI ACTIVATE command due to the following reason:

- The subsystem has not defined a vector table using the IEFSSVT macro.

In the message text:

***subname***

The subsystem name.

## System action

The system does not process the command.

## Operator response

Notify the system programmer.

## System programmer response

Provide a vector table using the IEFSSVT create service.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

|          |  |
|----------|--|
| IEFJ033I | COMMAND REJECTED BECAUSE SUBSYSTEM <i>subname</i> IS NOT ELIGIBLE FOR DELETION |
|----------|--|

## Explanation

The system issues this message to indicate that the SETSSI DELETE operator command is rejected because the subsystem for which the command was issued is not eligible for deletion. The following subsystems are not eligible for deletion:

- MSTR
- Primary subsystem (JES2 or JES3)

In the message text:

### ***subname***

The subsystem name.

## System action

The system does not process the command.

## Operator response

If the SETSSI DELETE operator command was issued in order to add a new version of the primary subsystem, re-IPL the system to add the new version. If the SETSSI DELETE operator command was issued in response to failure of the primary subsystem or the MSTR subsystem, re-IPL the system. If the failure continues, notify the system programmer.

## System programmer response

Do not attempt to delete the primary subsystem or the MSTR subsystem.

## Source

Subsystem Interface

## Module

IEFJPACT

## Routing code

\*

## Descriptor code

5

---

IEFJ034I

SUBSYSTEM SERVICE ROUTINE NOT AVAILABLE

## Explanation

The system issues this message to indicate that the SETSSI command was issued before the subsystem service routine is available.

## System action

The system does not process the command.

## Operator response

Delay the submission of the SETSSI command until the Master Scheduler is available.

## System programmer response

None.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

**IEFJ035I**

**A SYSTEM ERROR HAS OCCURRED**

## Explanation

A system error occurred while the SETSSI operator command was being processed.

## System action

The system does not process the command. The system writes an abend dump.

## Operator response

Notify the application or system programmer.

## System programmer response

If the problem persists, search problem reporting data bases for a fix to the problem. If a fix does not exist, contact the IBM support center.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

**IEFJ036I**

**SUBSYSTEM *subname* IS NOT ENABLED FOR THE SETSSI COMMAND**

## Explanation

A SETSSI DEACTIVATE or SETSSI ACTIVATE command was issued for a subsystem that is not enabled for the SETSSI command.

In the message text:

***subname***

The subsystem name.

## System action

The system does not process the command.

## Operator response

None.

## System programmer response

None.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

---

**IEFJ037I**

**WARNING: IT MAY NOT BE POSSIBLE TO REACTIVATE SUBSYSTEM  
*subname* USING THE SETSSI COMMAND**

## Explanation

The SETSSI DEACTIVATE command was issued for a subsystem whose previously active vector table was not managed by the SSI. You may not be able to use the SETSSI ACTIVATE command to reactivate the subsystem.

In the message text:

***subname***

The subsystem name.

## System action

None.

## Operator response

None.



## System programmer response

Use the IEFSSVT macro to create the subsystem's vector tables. This enables the SSI to locate an eligible vector table that can reactivate the subsystem following deactivation by the SETSSI command.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

-

## Descriptor code

5

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|          |  |
|----------|--|
| IEFJ038I | SUBSYSTEM <i>subname</i> EVENT NOTIFICATION ROUTINE <i>eventrtn</i><br>ABENDED |
|----------|--|

## Explanation

The subsystem event notification routine for a subsystem ended abnormally.

In the message text:

### ***subname***

The subsystem name.

### ***Eventrtn***

The name of the subsystem event notification routine.

## System action

The system writes an SVC dump. Subsystem processing continues.

## Operator response

Notify the application programmer, system programmer, or subsystem owner.

## System programmer response

Obtain the abend dump. Correct the event notification routine and enable the new routine according to the procedures outlined by the subsystem.

## Problem determination

An SVC dump is written by the system.

## Source

Subsystem Interface (SSI)

## Module

IEFJPACT

## Routing code

\*

## Descriptor code

5

---

IEFJ051I

DISPLAY SSI COMMAND CANNOT BE PROCESSED - INSUFFICIENT  
STORAGE

## Explanation

The system could not obtain sufficient storage to process the DISPLAY SSI command.

## System action

The system does not process the command.

## System programmer response

If the problem persists, search problem reporting data bases for a fix for the problem. If a fix does not exist, contact the IBM support center.

## Source

Subsystem Interface (SSI)

## Module

IEFJDACT

## Routing code

-

## Descriptor code

5

---

IEFJ052I

DISPLAY SSI COMMAND CANNOT BE PROCESSED - SUBSYSTEM  
SERVICE ROUTINE NOT AVAILABLE

## Explanation

The DISPLAY SSI command is issued before the subsystem service routine is available.

## System action

The system does not process the command.

## Operator response

Delay the submission of the DISPLAY SSI command until the Master Scheduler is available.

## System programmer response

None.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJDACT

**Routing code**

-

**Descriptor code**

5

---

|                 |  |
|-----------------|--|
| <b>IEFJ053I</b> | <b>DISPLAY SSI COMMAND CANNOT BE PROCESSED - A SYSTEM ERROR HAS OCCURRED</b> |
|-----------------|--|

**Explanation**

A system error occurred while the DISPLAY SSI operator command was being processed.

**System action**

The system does not process the command. The system writes an abend dump.

**System programmer response**

Obtain the abend dump.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJDACT

**Routing code**

-

**Descriptor code**

5

---

|                 |  |
|-----------------|--|
| <b>IEFJ100I</b> | <b><i>hh.mm.ss SSI DISPLAY [id] SUBSYS=subsysname[(PRIMARY)<br/>HEX=hhhhhhh DYNAMIC=ddd STATUS=sssssss COMMANDS=cccccc<br/>[FUNC=function-code-list] [function-code-list] [EVENTRTN=eee]</i></b> |
|-----------------|--|

**Explanation**

This message displays information about all subsystems defined to the system when the operator enters the DISPLAY SSI command.

In the first line of the message text:

**hh.mm.ss**

The hour, minute, and second at which the system processed the display command. *00.00.00* appears in this field if the time-of-day (TOD) clock is not working.

**id**

A decimal identifier used with the CONTROL C,D command to cancel status displays that are written on typewriter or printer consoles or displayed inline on a display console. This identifier does not appear when the display appears in a display area on a display console.

If the command includes the LIST parameter, lines 2 through 3 appear for each subsystem that is defined to the system or that is selected by optional keyword parameters.

In lines 2 through 3 of the message text:

**SUBSYS=subsysname[(PRIMARY)]**

The subsystem name. If this is the primary subsystem, the subsystem name is followed by (PRIMARY).

**HEX=hhhhhhhh**

The subsystem name, in hexadecimal format.

**DYNAMIC=ddd**

Indicates whether the subsystem responds to dynamic SSI service requests. In order to be dynamic, the subsystem must have been added using one of the dynamic SSI services. *ddd* is one of the following:

**YES**

The subsystem responds to dynamic SSI service requests.

**NO**

The subsystem does not respond to dynamic SSI service requests.

**STATUS=sssssss**

The status of the subsystem. *ddd* is one of the following:

**ACTIVE**

The subsystem is active. It accepts function requests directed to it by the SSI.

**INACTIVE**

The subsystem is inactive. It does not accept function requests directed to it by the SSI.

**COMMANDS=cccccc**

Indication of whether or not the subsystem accepts dynamic SSI commands. A dynamic subsystem is given the option of enabling or disabling the dynamic SSI commands (with the exception of the ADD command). *cccccc* is one of the following:

**ACCEPT**

The subsystem accepts dynamic SSI commands.

**REJECT**

The subsystem rejects dynamic SSI commands (with the exception of the ADD command).

**N/A**

The subsystem is not dynamic. The option of enabling or disabling dynamic SSI commands does not apply.

If the DISPLAY SSI command includes the ALL parameter, the following lines appear in the message text:

- One occurrence of line 4 for each subsystem that is either defined to the system or that is selected by optional keyword parameters.
- Zero or more occurrences of line 5 as needed to list all of the function codes to which the subsystem responds.
- One occurrence of line 6 for each subsystem that is either defined to the system or that is selected by optional keyword parameters.

In line 4 of the message text:

**FUNC=function-code-list**

A list of all the function codes to which the subsystem responds. The function code values are separated by blanks. If there are too many function code values to fit on the line, the list is continued on line 5. This field

contains **NONE** if either no function codes are supported by the subsystem or if the subsystem is inactive. Only the function codes from the active subsystem vector table (SSVT) are displayed.

In line 5 of the message text:

***function-code-list***

Continuation of the list of all the function codes to which the subsystem responds which began on line 4. This line is repeated as many times as necessary to list all the function codes supported by the subsystem.

In line 6 of the message text:

**EVENTRTN=eee**

Indication of whether or not the subsystem has an event routine. Eee is one of the following:

**YES**

The subsystem has an EVENTRTN.

**NO**

The subsystem does not have an EVENTRTN.

**N/A**

The subsystem is not dynamic. The EVENTRTN does not apply.

**System action**

The system continues processing.

**Source**

Subsystem Interface (SSI)

**Module**

IEFJDACT

**Routing code**

\*

**Descriptor code**

5

---

**IEFJ200I**

**MASTER SCHEDULER JCL FOR THIS IPL TAKEN FROM MEMBER  
*member\_name* OF [LINKLIB|PARMLIB]**

**Explanation**

The system initialized with the master scheduler job control language (JCL) specified in the location indicated in the message text.

**System action**

The system continues processing.

**System programmer response**

No action is necessary. If you want to change the master scheduler JCL, see the topic on writing your own master scheduler JCL in [z/OS MVS Initialization and Tuning Reference](#).

## Source

Master scheduler

## Module

IEFJJOB, IEFJSIMM

## Routing code

Note 10

## Descriptor code

-

---

|          |  |
|----------|--|
| IEFJ201A | IEFPDSI PROCLIB OPEN FAILURE. TASK COULD NOT BE STARTED DUE TO <i>informational text</i> |
|----------|--|

## Explanation

The Master Subsystem could not start the requested task because the PROCLIB defined by the IEFPDSI DD statement in the Master Scheduler JCL could not be opened.

In the message text, *informational text* provides an explanation of the failure:

### **AN ERROR OPENING THE FILE.**

Indicates that there was an error opening the file.

### **AN INCORRECT DATA SET BLOCK SIZE OF *nnnnn*.**

The data set was defined with an incorrect block size, where *nnnnn* is the incorrect block size value.

## System action

The system issues an ABEND 0B4 and continues processing.

## System programmer response

See the information provided for ABEND 0B4 in [z/OS MVS System Codes](#).

## Source

Initiator

## Module

IEFJCNTL

## Routing code

1, 10

## Descriptor code

2

---

## Chapter 9. IEH messages

---

**IEH101I**

**NO CATALOG ON SPECIFIED VOLUME**

---

### Explanation

No catalog exists on the volume identified in the LISTCTLG statement.

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

### Programmer response

Probable user error. Ensure that the correct volume is specified. (If a volume was not specified, the system residence volume is assumed.) If the volume was correct, insert a LISTVTOC statement for the other system volumes to determine where the SYSCTLG data set resides.

### Source

DFSMSdfp

**IEH102I**

**THIS VOLUME DOES NOT CONTAIN DATA SET *dsname***

---

### Explanation

The data set specified in the LISTVOC or LISTPDS statement is not contained in the specified volume's table of contents.

In the message text:

***dsname***

The data set name.

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

### Programmer response

Probable user error. Ensure that the data set name and volume are specified correctly. (If a volume was not specified, the system residence volume is assumed.) If the volume and data set name are correct, insert a LISTVTOC statement for the other system volumes to determine where the data set resides.

## Source

DFSMSdfp

---

**IEH103I**

**INVALID CONTROL STATEMENT - *xxx***

---

## Explanation

A utility control statement is incorrect.

In the message text:

***xxx***

The entire incorrect statement.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct any improper specifications and/or misspelled keywords. Resubmit the job.

## Source

DFSMSdfp

---

**IEH104I**

**THE PDS ORGANIZATION DOES NOT APPLY FOR DATA SET *dsname***

---

## Explanation

The data set specified in the LISTPDS statement is not partitioned.

In the message text:

***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Ensure that the data set name specified is correct. If the name is correct, insert a LISTVTOC FORMAT statement specifying the data set name and volume; the true data set information will then be listed.



## Source

DFSMSdfp

---

**IEH105I**

---

**ILLEGAL NODE POINT SPECIFIED, OR INCONSISTENT CATALOG  
STRUCTURE FOUND - REQUEST TERMINATED**

## Explanation

Either the node point identified in the LISTCTLG statement is incorrect, or an incorrect catalog structure exists. A control volume (CVOL) catalog structure cannot be built against dynamic devices.

## System action

The request is ignored. The return code is 8.

## System programmer response

Run Data Facility Data Set Services (dump to printer) for the catalog data set, and save the output. If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Ensure that the node point specified in the LISTCTLG statement is correct, or that no inconsistencies occur in the catalog structure.

Do not define devices containing CVOLs as dynamic devices.

## Source

DFSMSdfp

---

**IEH106I**

---

**UNAVAILABLE DEVICE TYPE OR VOLUME I.D. SPECIFIED**

## Explanation

Either the VOL parameter of the control statement is incorrect, or the volume specified cannot be mounted.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Ensure that a DD statement is included for the volume, the VOL parameter of the control statement is specified correctly, and the volume is mounted.

## Source

DFSMSdfp

---

**IEH107I**

---

**JOB TERMINATED - I/O ERROR ON SYSIN**

## Explanation

An input/output error occurred while reading the SYSIN data set; additional input statements cannot be read.

## System action

The program is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Resubmit the job with all the control statements that were not processed on the initial pass.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH108I</b> | <b>REQUEST TERMINATED - PERMANENT I/O ERROR WHILE READING DATA SET</b> |
|----------------|--|

---

## Explanation

A permanent input/output error occurred while reading a volume table of contents, a catalog, or a partitioned data set.

## System action

The program is ended. The return code is 12.

## System programmer response

Run the same IEHLIST operation for some option other than the failing one (that is, if using LISTVTOC FORMAT, attempt IEHLIST LISTVTOC DUMP; if using LISTPDS FORMAT, attempt LISTPDS DUMP; if using LISTCTLG, attempt LISTCTLG NODE= for the failing node) and save the output. Run the program (dump to printer) for the failing data set (VTOC, SYSCTLG, or PDS), and save the output. Run Data Facility Data Set Services (dump to printer) for the failing data set (VTOC, SYSCTLG, or PDS), and save the output.

## Programmer response

Resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH109I</b> | <b>SYSIN CANNOT BE OPENED – CHECK SYSIN DD STATEMENT</b> |
|----------------|--|

---

## Explanation

Either the SYSIN DD statement was omitted from the job step, or the SYSIN ddname is incorrect.

## System action

The program is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH110I</b> | <b>JOB TERMINATED - INVALID DCB PARAMETER</b> |
|----------------|---|

---

## Explanation

The SYSIN DD statement specified a block size that was not a multiple of the specified logical record length.

## System action

The program is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the BLKSIZE parameter on the SYSIN DD statement.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH112I</b> | <b>MEMBERS OF SPECIFIED PDS NOT CREATED BY LINKAGE EDITOR –<br/>DUMP OPTION OUTPUT GENERATED</b> |
|----------------|--|

---

## Explanation

The directory entry is less than 34 bytes, indicating that this member was not created by the Linkage Editor.

## System action

Processing continues as if the DUMP option was specified for this member. The program will attempt to format subsequent member(s) if they exist.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Source

DFSMSdfp

**Explanation**

The data set specified in the LISTPDS statement cannot be opened.

In the message text:

***dsname***

The specified data set name.

**System action**

The system ignores the request, and issues a return code of 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Ensure that the correct volume containing the data set is allocated to the job via the DD statement. Correct the error and resubmit the job.

**Source**

DFSMSdfp

**Explanation**

The return code 4 from a common VTOC access facility (CVAF) macro was unexpected. CVSTAT=*nnn* refers to the CVAF status code.

In the message text:

***nnn***

Identifies the status code. See [z/OS DFSMSdfp Diagnosis](#) for a description of the CVAF codes.

**System action**

Program processing is ended. The return code from IEHLIST is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Respond according to the status code.

**Source**

DFSMSdfp

## Explanation

The VSE and index bits in DS4VTOCI (bits 0 and 7 respectively) should both be on for an indexed VTOC; or both off for a non-indexed VTOC; or only the VSE bit should be on, indicating that format-5 DSCBs do not contain free-space information. IEHLIST found only the index bit on in DS4VTOCI, which is incorrect.

The situation can be caused by moving an indexed VTOC volume to a system without indexed VTOC programming support. The VSE bit caused the DADSM Allocate or Extend component to process the volume with the VSE VTOC convert routines, and set the VSE bit to zero.

## System action

Program processing is ended. The return code from IEHLIST is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Use the Device Support Facility (DSF) to rebuild the VTOC index data set.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH117I</b> | <b>DYNAMIC ALLOCATION FAILED FOR DSN=<i>dsname</i>, ERR RSN=<i>xxxx</i>, INF RSN=<i>yyyy</i></b> |
|----------------|--|

---

## Explanation

In the message text:

### ***dsname***

Specified data set name.

### ***xxxx***

Error reason code from SVC 99 for Dynamic Allocation.

### ***yyyy***

Information reason code from SVC 99 for Dynamic Allocation.

## System action

Program processing for current IEHLIST control statement is ended. The return code from IEHLIST is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Respond according to the error and information reason codes.

## Source

DFSMSdfp

**Explanation**

In the utility statement preceding this message, the operation is incorrect.

**System action**

The request is ignored. Processing continues with the next change submitted, if any. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Correct the incorrect operation on the preceding statement and rerun the job.

**Source**

DFSMSdfp

**Explanation**

In the utility statement preceding this message, the required keyword is incorrect, or the continuation does not start in column 16.

**System action**

The request is ignored. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

**Programmer response**

Probable user error. Correct the error and resubmit the job.

**Source**

DFSMSdfp

**Explanation**

One of the following occurred:

- No catalog exists on the volume specified by the CVOL parameter of the control statement
- The CVOL is not properly cataloged in the master catalog
- The volumes are incorrectly connected to each other

- An attempt was made to build the CVOL catalog structure against dynamic devices

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Probable user error. Correct the error and resubmit the job.

Do not define devices containing CVOLs as dynamic devices.

### Source

DFSMSdfp

---

**IEH204I**

**STATUS OF THE REQUESTED TASK CANNOT BE DETERMINED AN  
UNDEFINED ERROR CODE HAS BEEN ENCOUNTERED**

### Explanation

The return code returned by a system macro instruction is incorrect.

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Contact your service representative for assistance if this message occurs.

### Source

DFSMSdfp

---

**IEH205I**

**INFORMATION IN CONTROL STATEMENT IS {REDUNDANT|NOT  
SUFFICIENT}**

### Explanation

In the utility statement preceding this message, either an incorrect parameter was specified, or all the required parameters were not specified for the operation requested.

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Probable user error. Correct the error and resubmit the job.

### Source

DFSMSdfp

---

|         |                           |
|---------|---------------------------|
| IEH206I | CVOL IS NOT DIRECT-ACCESS |
|---------|---------------------------|

---

### Explanation

In the utility statement preceding this message, the volume specified in the CVOL parameter is not a direct access volume.

### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Probable user error. Correct the device-type specification in the CVOL parameter of the preceding statement and resubmit the job.

### Source

DFSMSdfp

---

|         |   |
|---------|---|
| IEH207I | STATUS OF USERS REQUEST TO {SCRATCH   RENAME } DATA SET<br><i>dsname</i> VOLUME ID ACTION TAKEN REASON <i>ser xxx yyy</i> END OF<br>LISTING OF DATA SETS TO BE SCRATCHED OR RENAMED |
|---------|---|

---

### Explanation

An unusual condition occurred during a SCRATCH or RENAME operation. In the message text, the VOLUME ID line appears for each volume on which the data set resides.

In the message text:

***dsname***  
The data set name.

***ser***  
The serial number of the volume.

***xxxx***  
The action taken on the volume.

***yyyy***  
The condition.



### System action

The request is ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Probable user error. Ensure that the data set name is specified correctly on the control statement.

### Source

DFSMSdfp

---

|         |   |
|---------|---|
| IEH208I | LIST TRUNCATED TO 1 VOLUME FOR SCRATCH VTOC |
|---------|---|

---

### Explanation

In the SCRATCH VTOC statement preceding this message, more than one volume was specified.

### System action

Only the data sets on the first volume specified are scratched; the remaining are ignored. The return code is 8.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

### Programmer response

Probable user error. Insert a SCRATCH VTOC statement for each volume that was not processed and resubmit the job.

### Source

DFSMSdfp

---

|         |   |
|---------|---|
| IEH209I | STATUS OF USERS REQUEST TO SCRATCH THE VOLUME TABLE OF<br>CONTENTS DATA SET NAME <i>dsname</i> ACTION TAKEN <i>xxxx</i> REASON <i>yyyy</i><br>END OF SCRATCH VTOC |
|---------|---|

---

### Explanation

Either an unusual condition occurred during a scratch VTOC operation, or a data set was successfully scratched.

In the message text:

***dsname***

The data set name.

***xxxx***

The action taken on the data set.

***yyyy***

The condition.

## System action

Processing continues.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Source

DFSMSdfp

---

**IEH210I****REQUEST CANNOT BE SERVICED**

---

## Explanation

An unusual condition occurred during a catalog or index operation. Following this message is a more specific message describing the error condition in detail.

## System action

The request is ignored. The return code is 0 when there is an attempt to uncatalog a data set that is not cataloged; in all other cases, the return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Respond as indicated to the message that follows this message.

## Source

DFSMSdfp

---

**IEH211I****REQUIRED VOLUME COULD NOT BE MOUNTED**

---

## Explanation

One of the following occurred:

- No device was allocated for the required volume; that is, the serial number of the required volume was not found in the unit control block, and no other volume allocated to the job could be unloaded to allow the mounting of the required volume.
- A device type was specified which is either nonexistent or not included for the system during system generation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Ensure that the volume serial number specified on the DD statement is the same as the volume serial number specified on the control statement.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH212I</b> | <b>I/O ERROR ON SYSIN DATA SET - JOB TERMINATED</b> |
|----------------|---|

---

## Explanation

An uncorrectable input/output error occurred while the SYSIN data set was being read.

## System action

The program is ended. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH213I</b> | <b>JOB TERMINATED - INVALID BLOCKSIZE SPECIFIED IN SYSIN DCB</b> |
|----------------|--|

---

## Explanation

In the SYSIN DD statement preceding this message, the block size specified is not a multiple of the logical record length (that is, it is not a multiple of 80).

## System action

The program is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH214I**

**CONTINUATION STATEMENT EXPECTED - REQUESTS CANNOT BE SERVICED.**

## Explanation

The statement preceding this message is not a valid continuation statement; that is, the previous statement contains a non-blank character in column 72, indicating that a continuation statement is to follow.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH215I**

**SYNTAX ERROR ENCOUNTERED IN NAME FIELD OF CONTROL STATEMENT – PROCESSING IS CONTINUED**

## Explanation

In the statement preceding this message, the name field contains one of the following errors:

- The first character is not alphabetic.
- A character was encountered that is not alphameric or national.
- The name field is longer than 8 characters.

## System action

Processing continues. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

**Explanation**

Either the SYSIN DD statement was inadvertently omitted from the job step, or it was included, but the ddname was coded incorrectly.

**System action**

The program is ended. The return code is 16.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

**Programmer response**

Probable user error. Correct the error and resubmit the job.

**Source**

DFSMSdfp

**Explanation**

Either a nonalphabetic character was found as the first character of a name, alias, or index level; an index level or member name has a length greater than eight characters; or a nonalphameric character was used in the name, index, alias, or member.

**System action**

The request is ignored. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

**Programmer response**

Probable user error. Correct the error and resubmit the job.

**Source**

DFSMSdfp

**Explanation**

A maximum of five incorrect passwords are allowed for each job step.

## System action

The program is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job. If attempting to add, replace, or delete entries in the PASSWORD data set, use the LIST utility statement to list the entries associated with the incorrect passwords.

## Programmer response

Probable user error. Resubmit the request not satisfied and supply valid passwords.

## Source

DFSMSdfp

---

|         |                                    |
|---------|------------------------------------|
| IEH219I | I/O ERROR IN THE PASSWORD DATA SET |
|---------|------------------------------------|

---

## Explanation

An uncorrectable input/output error occurred while reading or writing the PASSWORD data set.

## System action

The program is ended. The return code is 12.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Run IEHLIST program to list the VTOC of the system residence volume. Use the DUMP mode and set DSN=PASSWORD. Have the resulting listing available for review by your systems programmer or service representative.

## Source

DFSMSdfp

---

|         |   |
|---------|---|
| IEH220A | <i>jobname, stepname, 'utilstmt'</i> REPLY WITH 'PASSWORD1' 'PASSWORD2' 'CPASSWORD' |
|---------|---|

---

## Explanation

The specified password on the utility statement is incorrect or missing and must be supplied by the operator.

In the message text:

### ***jobname***

The job name.

### ***stepname***

The step name.

### ***utilstmt***

The utility statement.

## System action

The program enters the wait state until the operator responds.

## Operator response

Enter REPLY xx, 'password', where password is the password supplied by the programmer for the job, step, and utility statement names in the message. The password can consist of up to eight characters. If no password was supplied, enter blanks for the password or simply two single quotation marks, as follows: REPLY xx,"

## System programmer response

If attempting to add, replace, or delete entries in the PASSWORD data set, use the LIST utility statement to list the entries associated with the incorrect passwords.

## Programmer response

Provide operator with correct password.

## Source

DFSMSdfp

---

**IEH221I** **THE PASSWORD DATA SET IS FULL**

## Explanation

Either the PASSWORD data set is too small to hold all necessary entries, or it contains unused entries.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Either re-create the PASSWORD data set with larger extent, or delete the unused entries. Run IEHLIST to list the VTOC of the system residence volume. Use the DUMP mode and set DSN=PASSWORD. Have the resulting listing available.

## Source

DFSMSdfp

---

**IEH222I** **UNABLE TO ALTER PROTECTION STATUS OF DATA SET**

## Explanation

The volume on which the specified data set resides cannot be accessed. The volume is not online, volume information on the utility control statement is incorrect or missing, the data set was allocated in this job the specified data set is in use by another job or the data set is not supported (as a VSAM data set).

## System action

The PASSWORD data set is updated, but the protection status of the data set in the data set control block (DSCB) is not altered. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Action is required only if the protection status in the DSCB is incorrect.

If protection is being added and the protection status of the data set was not specified when the data set was created, or if the protection status of a data set is being changed between read/write protection and read-without-password protection:

1. Provide a data definition statement that defines the mountable volume on which the data set resides.
2. Change the protection status in the DSCB, using a REPLACE utility statement for the entry just added or changed in the PASSWORD data set. Supply the new protection status, and make sure the volume information is correct.

If protection is being deleted and the data set has not been scratched:

1. Provide a data definition statement that defines the mountable volume on which the data set resides.
2. Add the entry just deleted to the PASSWORD data set using an ADD utility statement.
3. Scratch the data set if desired.
4. Delete the entry again from the PASSWORD data set using a DELETED utility statement.

## Source

DFSMSdfp

---

IEH223I

THE PASSWORD DATA SET DOES NOT EXIST

## Explanation

The PASSWORD data set must reside on the system residence volume before using IEHPROGM to add, delete, or replace entries.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Allocate a PASSWORD data set, and resubmit the job. Run IEHLIST to list the VTOC (FORMAT mode) of the system residence volume. Have the resulting listing available.



## Source

DFSMSdfp

---

**IEH224I**

---

**WARNING UNABLE TO ALTER PROTECTION STATUS OF TAPE DATA SETS**

## Explanation

IEHPROGM cannot modify the label of a tape data set.

## System action

The PASSWORD data set is updated, but the protection status of the data set in the tape label is not altered. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL.

## Programmer response

Action is required only if the protection status in the tape label is incorrect. If protection is being added, use job control language (LABEL parameter) to set the desired protection status in the tape label when rewriting the data set. If protection is being deleted, use IEHINITT to relabel the tape and delete protection.

## Source

DFSMSdfp

---

**IEH225I**

---

**DUPLICATE ENTRY EXISTS IN THE PASSWORD DATA SET**

## Explanation

The password to be assigned has already been assigned to this data set.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Either select a new password, or delete the previously assigned password, before attempting to assign the same password. Use the LIST utility statement to list the entry in the PASSWORD data set associated with this password and data set name.

## Source

DFSMSdfp

---

**IEH226I**

---

**LOCATE MACRO FAILED. LOCATE RETURN CODE= *return-code*.**

## Explanation

An error occurred during processing of the LOCATE macro issued to search the catalog for a data set name.

In the message text:

### ***return-code***

The return code from the LOCATE macro.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. To interpret the return code, see [z/OS MVS System Messages, Vol 1 \(ABA-AOM\)](#). Correct any errors and resubmit the ignored request.

## Source

DFSMSdfp

---

**IEH227I****OBTAIN MACRO FAILED. OBTAIN RETURN CODE= *return-code***

## Explanation

An error occurred during processing of the OBTAIN macro issued to search the VTOC for a DSCB.

In the message text:

### ***return-code***

The return code from the OBTAIN macro.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. (To interpret the return code, refer to [z/OS DFSMSdfp Advanced Services](#). Correct any errors and resubmit the ignored request.

## Source

DFSMSdfp

---

**IEH228I****INVALID {CPASWORD | PASWORD1 | PASWORD2} SPECIFIED**

## Explanation

More than two incorrect passwords have been supplied for the specified password in the utility statement preceding this message or PASSWORD1 was incorrectly specified in the utility control statement.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job. If attempting to add, delete, or replace an entry in the PASSWORD data set, use the LIST utility statement to list the entry in the PASSWORD data set.

## Programmer response

Probable user error. Resubmit the ignored request and supply a valid password.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH229I</b> | <b>INVALID PARAMETER IN PARM FIELD OF EXEC STATEMENT</b> |
|----------------|--|

---

## Explanation

An incorrect parameter was found either in the PARM field of the EXEC statement or in the PARAM field of the LINK or ATTACH macro.

## System action

Default values are assigned to the incorrect parameters. Processing continues. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH230I</b> | <b>VTOC NOT CONVERTED FROM DOS TO OS DATA SET NOT CATALOGED<br/>OR INDEX NOT BUILT ... UNUSUAL END</b> |
|----------------|--|

---

## Explanation

The VTOC cannot be converted to OS format because one of the following conditions exists in the VTOC structure:

- A split cylinder extent resides on cylinder zero.
- A split cylinder extent resides on the same cylinder as the VTOC.

- A split cylinder extent resides on the same cylinder as a non-split cylinder extent.
- The VTOC contains overlapping data sets.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. Correct the VTOC structure and resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH231I</b> | <b>DYNALLOC FAILED. DYNALLOC RETURN CODE =<i>mm</i>. REASON CODE =X'<i>nnnn</i>'</b> |
|----------------|--|

---

## Explanation

The call to DYNALLOC to rename a member of the PDS data set got a non-zero return code.

In the message text:

### **DYNALLOC**

The dynamic allocation.

### ***mm***

The decimal return code from DYNALLOC.

### ***nnnn***

The hexadecimal reason code from DYNALLOC.

## System action

The program is terminated. The return code is 8.

## System programmer response

If the error recurs and the user program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the relevant job log.

## Programmer response

Check the return and reason codes from DYNALLOC and take corrective actions.

## Source

DFSMSdfp

---

|                |                             |
|----------------|-----------------------------|
| <b>IEH301I</b> | <b>INCLUDE OP NOT VALID</b> |
|----------------|-----------------------------|

---

## Explanation

The INCLUDE statement preceding this message is not valid with the specified MOVE or COPY operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH302I** **EXCLUDE OP NOT VALID**

## Explanation

The EXCLUDE statement preceding this message is not valid with the specified MOVE or COPY operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH303I** **REPLACE OP NOT VALID**

## Explanation

The REPLACE statement preceding this message is not valid with the specified MOVE or COPY operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |                                |
|----------------|--------------------------------|
| <b>IEH304I</b> | <b>SUBORDINATE REQ-SKIPPED</b> |
|----------------|--------------------------------|

---

## Explanation

One of the following conditions occurred:

- The INCLUDE, EXCLUDE, REPLACE, or SELECT statement preceding this message is not preceded by a MOVE or COPY statement.
- The MOVE/COPY request is being ignored for the reason given in the preceding message.
- The data set is being loaded for the reason given in the preceding message.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |                               |
|----------------|-------------------------------|
| <b>IEH305I</b> | <b>MULTIPLE KEYWORD ERROR</b> |
|----------------|-------------------------------|

---

## Explanation

In the statement preceding this message, duplicate or conflicting keywords are specified.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH306I****MISPLACED KEYWORD ERROR**

## Explanation

A MOVE/COPY control statement contains a misplaced keyword.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH307I****KEYWORD NOT PERMITTED**

## Explanation

In the statement preceding this message, a keyword is incorrect.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH308I****INVALID PARAMETER ERROR**

## Explanation

A parameter is incorrect in (1) the statement preceding this message, or in (2) the parm information in the EXEC STATEMENT.

## System action

The request is ignored. The return code is 8. If the parameter information in the EXEC statement is incorrect, the return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH309I** **SYNTAX ERROR**

## Explanation

The syntax of the statement preceding this message is incorrect.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH310I** **LENGTH ERROR**

## Explanation

In the statement preceding this message, a keyword value contains too many characters (for example, DSNNAME=NINECHARS contains more than eight characters), or the EXPAND keyword does not specify a number in the decimal range 1-99.

## System action

The request is ignored. The return code is 8.



## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |                           |
|----------------|---------------------------|
| <b>IEH311I</b> | <b>INCOMPLETE REQUEST</b> |
|----------------|---------------------------|

## Explanation

The statement preceding this message does not contain adequate information to perform the MOVE/COPY operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH313I</b> | <b>DATA SET <i>dsname</i> HAS AN INCORRECT FORMAT FOR UNLOADED DATA SET</b> |
|----------------|---|

## Explanation

The format of the unloaded data set is incorrect; therefore, the data set cannot be moved or copied. The records are apparently out of sequence.

In the message text:

### ***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Make sure that the correct tape or direct-access device is mounted, and that the data has not been altered.

## Source

DFSMSdfp

---

|                |                                   |
|----------------|-----------------------------------|
| <b>IEH315I</b> | <b>UNABLE TO FIND FROM VOLUME</b> |
|----------------|-----------------------------------|

---

## Explanation

The 'FROM' volume cannot be located. Possibly, the FROM keyword was missing from the MOVE or COPY statement, or the CVOL keyword was specified, but the data set was not cataloged.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

If the data set is not cataloged, ensure that the FROM keyword is included on the MOVE or COPY statement. Also, make sure that a DD statement for the 'FROM' device exists and is compatible with the utility control information.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH316I</b> | <b>MODEL DSCB FOR GENERATION DATA GROUP CANNOT BE WRITTEN</b> |
|----------------|---|

---

## Explanation

An error (possibly, a permanent input/output error) occurred during an attempt to create the model data set control block (DSCB) for a generation data group, or there was no unused DSCB available in the VTOC.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Source

DFSMSdfp

**IEH319I**

---

**MEMBER *mem* NOT MOVED/COPIED. DUPLICATE NAME IN OUTPUT  
DATA SET**

## Explanation

A member with the same name as member *mem* is contained in the output partitioned data set; therefore, the member is not moved or copied.

In the message text:

***mem***

The specified member name.

## System action

The request is ignored. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Source

DFSMSdfp

**IEH320I**

---

**MEMBER *mem* NOT FOUND IN DATA SET *dsname***

## Explanation

The member cannot be located in the partitioned data set. Perhaps the data set name or member name was incorrectly specified.

In the message text:

***mem***

The member name.

***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH321I**

**MEMBER *mem* NOT MOVED/COPIED. OUTPUT DIRECTORY IS FULL**

---

## Explanation

The directory of the output partitioned data set is full; therefore, member *mem* cannot be moved or copied.

In the message text:

***mem***

The specified member name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Increase the size of the directory, and selectively MOVE or COPY the member.

## Source

DFSMSdfp

---

**IEH322I**

**I/O ERROR ENCOUNTERED IN MEMBER *mem* OF INPUT DATA SET  
*dsname***

---

## Explanation

A permanent input/output error occurred while reading member *mem* of input data set *dsname*.

In the message text:

***mem***

The member name.

***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## Operator response

If requested by the system programmer, obtain a stand-alone dump.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input for the job.

## Programmer response

Ensure that the input data set is valid.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH323I</b> | <b>I/O ERROR ENCOUNTERED IN MEMBER <i>mem</i> OF OUTPUT DATA SET<br/><i>dsname</i></b> |
|----------------|--|

---

## Explanation

A permanent input/output error occurred while writing the member of the data set specified.

In the message text:

***mem***

The member name.

***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Retry the operation. If the operation fails a second time If the operation fails a second time with this same error message, in all probability the failure is due to a hardware error. Ensure the quality of the hardware medium on which the dataset resides. Resubmit the job.

## Source

DFSMSdfp

---

|                |                                      |
|----------------|--------------------------------------|
| <b>IEH325I</b> | <b>INVALID CATLG REQUEST IGNORED</b> |
|----------------|--------------------------------------|

---

## Explanation

In the statement preceding this message, the specified receiving volume is not a direct access device.

## System action

The moved or copied data set is not cataloged on the specific volume. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the preceding statement so that the receiving volume is direct access or delete the CATLG keyword.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH326I</b> | <b>I/O ERROR ENCOUNTERED IN OUTPUT DATA SET <i>dsname</i></b> |
|----------------|---|

---

## Explanation

A permanent input/output error occurred while writing the data set.

In the message text:

***dsname***

The data set name.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Retry the operation. If the operation fails a second time If the operation fails a second time with this same error message, in all probability the failure is due to a hardware error. Ensure the quality of the hardware medium on which the dataset resides. Resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH327I</b> | <b>A TTRN IN THE USER DATA FIELD OF THE DIRECTORY HAS NOT BEEN UPDATED</b> |
|----------------|--|

---

## Explanation

A TTRN was not updated for the member named in the following message. A TTR in the source directory points to a record that is not in the member being copied.

## System action

The member is copied.

- If copying from direct access to direct access, the incorrect TTR will be the same in the receiving directory as it was in the source directory.
- If loading, the incorrect TTR is zero in the receiving directory.

The program then attempts to copy the next member.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Correct the incorrect TTR. This may require that the proper TTR be placed in both the source and receiving directories, or that the source member be re-created and recopied. Check for an end-of-file record embedded within the source member.

Submit IEHLIST for both the source and receiving data sets with the LISTPDS option specified. Submit IEHLIST for both the source and receiving data sets with the LISTVTOC option specified (DUMP format). Submit Data Facility Data Set Services to dump the source data set to SYSPRINT or to tape.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH328I</b> | <b>A TTR IN THE NOTELIST RECORD HAS NOT BEEN UPDATED</b> |
|----------------|--|

---

## Explanation

A TTR in the notelist record for the member named in the following message was not updated. The TTR is either pointing to a record that is not within this member or to a record within the member that is after the notelist record.

## System action

The member is copied. However, the incorrect TTR will be the same in the receiving notelist as it was in the source notelist. The program then attempts to copy the next member.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Correct the incorrect TTR. This may require that the correct TTR be placed in both the source and receiving notelists, or that the source be re-created and recopied.

Submit IEHLIST for both the source and receiving data sets with the LISTPDS option specified. Submit IEHLIST for both the source and receiving data sets with the LISTVTOC option specified (DUMP format). Submit Data Facility Data Set Services to dump the source data set to SYSPRINT or to tape.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH329I</b> | <b>A TTR IN A NOTELIST CANNOT BE UPDATED</b> |
|----------------|--|

---

## Explanation

The TTR does not point to any record contained in the copied member that precedes the notelist or that follows a previous notelist (if any).

## System action

The member is unloaded, but the TTR will not be updated during a reload. The program then attempts to unload the next member.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Correct the incorrect TTR in the source notelist and unload the data set again. Use Data Facility Data Set Services to dump the source data set to SYSPRINT.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH331I</b> | <b>USER LABELS ARE NOT MOVED/COPIED. NO USER LABEL TRACK<br/>ALLOCATED FOR INPUT</b> |
|----------------|--|

---

## Explanation

A previously allocated data set did not provide a user label track.

## System action

User labels are ignored. Normal MOVE/COPY processing continues.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, and the source input for the job.

## Programmer response

For the COPY operation, if user label information is desired, scratch the data set on the receiving volume and preallocate the data set correctly. For the MOVE operation, if user label information is desired, rebuild the user labels.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH332I</b> | <b>PERMANENT I/O ERROR WHILE READING USER INPUT HEADER<br/>LABELS. NO MORE LABELS WILL BE PROCESSED</b> |
|----------------|---|

---

## Explanation

The open routine encountered a permanent input/output error while attempting to read user input header labels.

## System action

IEHMOVE returns to the user, points to the label in error, ignores the return code, and ends the operation.



### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Programmer response

If user label information is desired, rebuild the user labels.

### Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH333I</b> | <b>PERMANENT I/O ERROR WHILE READING USER INPUT TRAILER LABELS. NO MORE LABELS WILL BE PROCESSED</b> |
|----------------|--|

---

### Explanation

The end-of-volume routine encountered a permanent input/output error while attempting to read user input trailer labels.

### System action

IEHMOVE returns to the user, points to the label in error, ignores the return code, and ends the operation.

### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Programmer response

If user label information is desired, rebuild the user labels.

### Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH334I</b> | <b>PERMANENT I/O ERROR WHILE WRITING USER OUTPUT HEADER LABELS. NO MORE LABELS WILL BE PROCESSED</b> |
|----------------|--|

---

### Explanation

The open routine encountered a permanent input/output error while attempting to write user output header labels.

### System action

IEHMOVE returns to the user, points to the label in error, ignores the return code, and ends the operation.

### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

### Programmer response

If user label information is desired, rebuild the user labels.

## Source

DFSMSdfp

---

**IEH335I**

**PERMANENT I/O ERROR WHILE WRITING USER OUTPUT TRAILER  
LABELS. NO MORE LABELS WILL BE PROCESSED**

## Explanation

The close routine encountered a permanent input/output error while attempting to write user output trailer labels.

## System action

IEHMOVE returns to the user, points to the label in error, ignores the return code, and ends the operation.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

If user label information is desired, rebuild the user labels.

## Source

DFSMSdfp

---

**IEH336I**

**AN UNCORRECTABLE ERROR OCCURRED WHILE READING DATA SET  
*dsname***

## Explanation

The data event control block (DECB) for the input data set indicated that an error, other than an input/output error or record length check, occurred for the record just read.

In the message text:

***dsname***

The data set name.

## System action

The function is ended. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input for the job.

## Programmer response

Ensure that the input data set is specified correctly.

## Source

DFSMSdfp

---

**IEH339I**

**I/O ERROR ENCOUNTERED IN INPUT DATA SET**

## Explanation

A permanent input/output error occurred while reading the input data set.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input for the job.

## Programmer response

Ensure that the input data set is valid.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH346I</b> | <b>CATALOG CANNOT BE LOCATED, OR CONTROL VOLUMES ARE<br/>CONNECTED TO EACH OTHER</b> |
|----------------|--|

---

## Explanation

In the statement preceding this message, no catalog exists on the specified control volume, or the control volumes are connected to each other incorrectly.

## System action

The request is ignored. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Make sure that there is a catalog on the specified volume, and that the control volumes are correctly connected to each other.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH348I</b> | <b>NO DATA SETS FOUND FOR DSGROUP SPECIFIED</b> |
|----------------|---|

---

## Explanation

No data sets with the DSGROUP name given were located in the catalog.

## System action

The request is ignored. The return code is 4.

## Programmer response

Catalog the data sets using access method services.

## Source

DFSMSdfp

---

**IEH349I****UNABLE TO MOUNT VOLUME *ser xxxx***

---

## Explanation

No device was allocated for the volume specified.

In the message text:

***xxxx***

The action taken.

***ser***

The volume serial number.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that a DD statement for the device exists, and that it is consistent with the utility control statements.

## Source

DFSMSdfp

---

**IEH351I****DATA SET *dsname* NOT CATALOGED. SPACE NOT AVAILABLE IN THE CATALOG**

---

## Explanation

The catalog is full; therefore, the data set cannot be cataloged.

In the message text:

***dsname***

The data set name.

## System action

The data set is not cataloged. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job. Run Data Facility Data Set Services to obtain a printed copy of the catalog, and save the output.

## Programmer response

Increase the size of the catalog and catalog the data set.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH351I</b> | <b>SUFFICIENT SPACE NOT AVAILABLE FOR ALL DATA SETS IN DSGROUP</b> |
|----------------|--|

---

## Explanation

The space needed to contain the entries for all the data sets in the DSGROUP could not be obtained.

## System action

The request is ignored. The return code is 4.

## Programmer response

Specify a more exclusive DSGROUP name.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH354I</b> | <b>DATA SET <i>dsname</i> NOT CATALOGED. INDEX STRUCTURE INCONSISTENT.</b> |
|----------------|--|

---

## Explanation

Either the index structure is incorrect, or the catalog already has an entry for the data set. Therefore, the data set cannot be cataloged.

In the message text:

***dsname***

The data set name.

## System action

The data set is not cataloged. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

If the data set is not already cataloged, catalog it.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH354I</b> | <b>DSGROUP CATALOG SEARCH FAILED. RETURN CODE <i>return-code</i></b> |
|----------------|--|

---

## Explanation

An error occurred during processing of the VSAM CATLG macro for generic locate.

In the message text:

### ***return-code***

The return code for catalog management.

## System action

The request is ignored. Return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the job.

## Programmer response

Probable user error. To interpret the return code, refer to the explanation of message IDC3009. Correct any errors and resubmit the request.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH356I</b> | <b>DATA SET <i>dsname</i> CATALOG SEARCH FAILED. RETURN CODE <i>return-code</i></b> |
|----------------|---|

---

## Explanation

An error occurred during processing of the VSAM CATLG macro for locate.

In the message text:

### ***return-code***

The return code from catalog management.

### ***dsname***

The data set name.

## System action

The data set is not moved/copied. Processing continues with the next data set in the DSGROUP. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH357I</b> | <b>DATA SET AMASTCAT NOT CATALOGED. AMASTCAT NOT ALLOWED</b> |
|----------------|--|

---

## Explanation

No catalog should be named AMASTCAT; therefore, AMASTCAT cannot be cataloged.

## System action

AMASTCAT is not cataloged. The return code is 4.

## Programmer response

Rename the catalog and catalog the new name.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH358I</b> | <b>DATA SET <i>dsname</i> NOT CATALOGED. INVALID RETURN CODE FROM CATALOG</b> |
|----------------|---|

---

## Explanation

An incorrect condition code was returned from catalog; therefore, the data set name, dsn, cannot be cataloged.

In the message text:

### ***dsname***

The data set name.

## System action

The data set is not cataloged. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Catalog the data set, if it is not already cataloged.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH361I</b> | <b>DATA SET <i>dsname</i> NOT MOVED/COPIED TO VOLUME(S)</b> |
|----------------|---|

---

## Explanation

An abnormal condition (such as an input/output error) occurred. Therefore, data set *dsname* could not be moved or copied.

In the message text:

### ***dsname***

The data set name.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that the input data set is valid.

## Source

DFSMSdfp

---

**IEH362I**

**DATA SET *dsname* NOT MOVED/COPIED TO VOLUME(S)**

---

## Explanation

An abnormal condition (such as an input/output error) occurred; therefore, the data set could not be scratched.

In the message text:

***dsname***

The data set name.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Scratch the data set.

## Source

DFSMSdfp

---

**IEH363I**

**DATA SET JUST COPIED WAS NOT SUCCESSFULLY UNCATALOGED**

---

## Explanation

A permanent input/output error occurred during the uncatalog operation; therefore, the data set was copied but not uncataloged.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.



## Programmer response

Uncatalog the data set.

## Source

DFSMSdfp

---

**IEH364I****THE DATA SET JUST COPIED WAS NOT SUCCESSFULLY CATALOGED**

## Explanation

The data set was copied but not cataloged on the "TO" volume for one of the following reasons:

- A catalog data set being sought by the IEBCOPY utility does not exist on the specified volume.
- The existing index structure does not permit the cataloging of the data set.
- No space is available in the catalog.
- A permanent input/output error occurred during the catalog operation.
- The data set is already cataloged on the receiving volume.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH365I****DATA SET *dsname* MAY STILL EXIST ON VOLUME(S)**

## Explanation

An unusual condition (such as a permanent input/output error) occurred during the scratch operation; therefore, the data set was moved but not scratched from the source volume(s).

In the message text:

***dsname***

The data set name.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Scratch the data set, if required.

## Source

DFSMSdfp

---

IEH366I

THE DATA SET JUST MOVED MAY EXIST WITH AN INTERNALLY  
GENERATED NAME ON VOLUME(S)

## Explanation

An unusual condition (such as a permanent input/output error) occurred; therefore, a specified rename operation was not successful. An internally generated name may have been assigned to the moved data set.

## System action

Processing continues with the next function to be performed. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Use the AMASPZAP service aid to change the dsname field of the format-1 DSCB from \*\*TEMP... to the required name.

## Source

DFSMSdfp

---

IEH367I

THE DATA SET JUST MOVED WAS NOT SUCCESSFULLY UNCATALOGED

## Explanation

A permanent input/output error occurred during the uncatalog operation; therefore, the data set was moved but not uncataloged.

## System action

Processing continues with the next function to be performed. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Uncatalog the data set.

## Source

DFSMSdfp

**Explanation**

Either an input/output error occurred during the catalog operation, or the existing index structure in the catalog does not permit the cataloging of the data set. Therefore, the data set was moved, but the catalog was not updated.

**System action**

Processing continues with the next function to be performed. The return code is 4.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

**Programmer response**

Recatalog the data set.

**Source**

DFSMSdfp

**Explanation**

A permanent input/output error occurred while reading or writing the work data set. Possibly, secondary space was specified in the SYSUT1 DD statement.

**System action**

The MOVE/COPY request is ignored. The return code is 12.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

**Programmer response**

Check the SYSUT1 DD statement. Leave out any space specification. Use the POWER parameter if necessary.

**Source**

DFSMSdfp

**Explanation**

The volume cannot be mounted.

In the message text:

**ser**

The volume serial number.

## System action

The INCLUDE and REPLACE requests referring to the specified volume are ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that a DD statement for the volume exists.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH374I</b> | <b>DATA SET <i>dsname</i> NOT FOUND ON VOLUME <i>ser</i>. INCLUDE OR REPLACE REQUEST IGNORED</b> |
|----------------|--|

## Explanation

The data set does not reside on the volume.

In the message text:

***dsname***

The data set name.

***ser***

The volume serial number.

## System action

The INCLUDE or REPLACE statements that refer to data set *dsname* are ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Ensure that the DD statement for the indicated volume is correct.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH375I</b> | <b>DATA SET <i>dsname</i> IS NOT PARTITIONED. INCLUDE OR REPLACE REQUEST IGNORED</b> |
|----------------|--|

## Explanation

The data set is not partitioned.

In the message text:

***dsname***

The data set name.

## System action

The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that the data set is valid.

## Source

DFSMSdfp

---

|         |  |
|---------|--|
| IEH376I | RECORD CHARACTERISTICS NOT COMPATIBLE <i>xxxx</i> . INCLUDE OR REPLACE REQUEST IGNORED |
|---------|--|

---

## Explanation

The attribute of the output data set is not compatible with that of the input data set.

In the message text:

***xxxx***

The attribute specified.

## System action

The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Ensure that the record characteristics of the input and output data sets are compatible.

## Source

DFSMSdfp

---

|         |   |
|---------|---|
| IEH377I | DATA SET <i>dsname</i> REQUIRES TRACK OVERFLOW FEATURE. INCL/REPL REQUEST IGNORED |
|---------|---|

---

## Explanation

The data set *dsname* was originally written with track overflow. The source device does not support the track overflow feature.

In the message text:

***dsname***

The data set name.

**System action**

The INCLUDE or REPLACE request for this data set is ignored. The program continues. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Programmer response**

Change the JCL to specify a device that supports track overflow.

**Source**

DFSMSdfp

---

**IEH380I**

**MEMBER *mem* NOT FOUND IN DATA SET *dsname*. INCLUDE OR  
REPLACE REQUESTS IGNORED**

**Explanation**

The member is not contained in partitioned the data set.

In the message text:

***mem***

The member name.

***dsname***

The data set name.

**System action**

The INCLUDE request, or the "including" part of the REPLACE request, is ignored. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

**Programmer response**

Ensure that the control statements are correct.

**Source**

DFSMSdfp

---

**IEH381I**

**ERROR ENCOUNTERED IN SCRATCHING WORK FILES**

**Explanation**

Either a work file could not be located, or an input/output error occurred during the scratch operation. Therefore, the work file(s) could not be scratched.

## System action

The MOVE/COPY request is ignored. The return code is 12.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that a SYSUT1 DD statement exists and specifies a sufficient amount of space. If the POWER= n parameter is used, ensure that the space is equivalent to 80xn tracks.

## Source

DFSMSdfp

---

|                |                            |
|----------------|----------------------------|
| <b>IEH383I</b> | <b>INVALID DEVICE NAME</b> |
|----------------|----------------------------|

---

## Explanation

In the statement preceding this message, a device name is incorrect.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |                                |
|----------------|--------------------------------|
| <b>IEH384I</b> | <b>GENERIC DEVICE NAME ERR</b> |
|----------------|--------------------------------|

---

## Explanation

In the statement preceding this message, a device name is incorrect.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH385I****SELECT OP NOT VALID**

## Explanation

The SELECT statement preceding this message is not valid with the specified MOVE or COPY operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH388I****UNABLE TO ALLOCATE IEHMOVE WORK FILES**

## Explanation

IEHMOVE was unable to allocate space for the work files due to one of the following reasons:

- No SYSUT1 DD statement was included with the job setup.
- There was insufficient space on the direct access volume assigned to the SYSUT1 DD statement.
- A security authorization failed for the nonstandard named temporary work files because they were not included as valid data set names in the RACF naming convention table (ICHNCV00).

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH389I****I/O ERROR ENCOUNTERED IN INPUT DATA SET**



## Explanation

A permanent input/output error occurred while reading the input data set.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that the input data set is specified correctly.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH390I</b> | <b>INVALID DATA SET NAME SPECIFIED IN RENAME-PARAMETER</b> |
|----------------|--|

---

## Explanation

A dsname containing incorrect characters or a subname exceeding eight characters is specified in the RENAME parameter.

## System action

Processing continues with the next function to be performed, if any. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH401I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH402I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH403I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH404I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH405I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH406I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### *dsname*

The data set name.

### *xxxx*

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH407I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### *dsname*

The data set name.

### *xxxx*

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH408I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH409I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH410I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH411I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH412I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH413I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH414I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### *dsname*

The data set name.

### *xxxx*

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH415I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### *dsname*

The data set name.

### *xxxx*

The reason indicated.



## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH416I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH417I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH418I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH419I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH420I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH421I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH422I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH423I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH424I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH425I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH426I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH427I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH428I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH429I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH430I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH431I** DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx*

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.



## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH432I</b> | <b>DATA SET <i>dsname</i> {UNLOADED   NOT MOVED/COPIED} <i>xxxx</i></b> |
|----------------|---|

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

### ***dsname***

The data set name.

### ***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH433I</b> | <b>DATA SET NOT MOVED/COPIED BECAUSE INCLUDE, EXCLUDE, SELECT, OR REPLACE REQUEST WHILE LOADING/UNLOADING</b> |
|----------------|---|

---

## Explanation

INCLUDE, EXCLUDE, SELECT, or REPLACE requests cannot be processed while loading or unloading a data set.

## System action

The MOVE/COPY request is ignored. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Either correct the cause of the UNLOAD indicated by message IEH405I, or remove the INCLUDE, EXCLUDE, SELECT, or REPLACE requests following the IEHMOVE control statement.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH435I</b> | <b>ERROR ENCOUNTERED WHILE ANALYZING THE SYSCTLG DATA SET</b> |
|----------------|---|

---

## Explanation

One of the following conditions has occurred:

- An input/output error occurred while the system was reading the SYSCTLG data set.
- An incorrect name was specified either as the name of an INCLUDE or EXCLUDE statement or as a value in the DSGROUP= or CATALOG= parameter. A name is incorrect if it does not exist in the specified catalog, or if it contains syntax errors.
- An error occurred while the system was trying to obtain a model DSCB for a generation data group.
- A structural error exists in the catalog.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Make sure that the SYSCTLG data set is valid, and that the names specified in the CATALOG= and DSGROUP= parameters and the INCLUDE and EXCLUDE statements are correct.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH436I</b> | <b>DATA SET <i>dsname</i>, VOLUME <i>ser</i>, NOT SCRATCHED DUE TO I/O ERROR</b> |
|----------------|--|

---

## Explanation

An uncorrectable input/output error occurred in the data set on the volume indicated.

In the message text:

### ***dsname***

The data set name.

### ***ser***

The volume serial number.

## System action

The data set is moved, but not scratched. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Scratch the data set.

## Source

DFSMSdfp

---

**IEH440I****RECFM AND BLKSIZE ARE INCONSISTENT**

---

## Explanation

The record format (RECFM) and/or block size (BLKSIZE) specified for the unloaded data set are not the same as those specified for the receiving data set. IEHMOVE will not reblock or change record format while performing a load or unload operation.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job. Run IEBPTPCH to print the first block of the unloaded data set and save the output.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH442I****USER LABEL I/O ERROR CAUSED TERM**

---

## Explanation

An uncorrectable I/O error occurred when:

- A standard user label exit was present, and the error occurred during label processing.
- A user totaling exit was present, and the error occurred while IEHMOVE was writing data on the output data set.

## System action

The program is ended. The return code is 12.

## Programmer response

If further handling of the error is desired, the user exit should be expanded to examine the standard status information and then issue an appropriate message.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH450I</b> | <b>REQUEST TERMINATED BECAUSE DATA SET SPANS MORE THAN 5 VOLUMES</b> |
|----------------|--|

---

## Explanation

The data set extends over the maximum of five volumes; therefore, the data set is not moved or copied.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH451I</b> | <b>TRACK OVERFLOW FEATURE REQUIRED ON DEVICE THAT DOES NOT HAVE TRACK OVERFLOW FEATURE</b> |
|----------------|--|

---

## Explanation

A data set to be moved or copied was originally written with track overflow, but the source device does not support the track overflow feature.

## System action

The request is ignored. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Change the job control language to specify a device that supports track overflow.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH452I</b> | <b>THE DATA SET BEING MOVED/COPIED IS MARKED UNMOVABLE. UNMOVABLE DATA MUST BE UPDATED BEFORE ITS NEXT USE</b> |
|----------------|--|

---

## Explanation

A data set being moved or copied from one direct access device to another contains location dependent information; that is, the unmovable bit in the DSORG field of the data set control block (DSCB) is on.

## System action

The data set is moved, and processing continues.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

Update the location dependent information in the moved or copied version of the data set.

## Source

DFSMSdfp

---

**IEH453I - IEH455I** **DATA SET *dsname* {UNLOADED | NOT MOVED/COPIED} *xxxx***

---

## Explanation

The data set was unloaded or was not moved or copied for the reason indicated.

In the message text:

***dsname***

The data set name.

***xxxx***

The reason indicated.

## System action

The data set is unloaded, or the MOVE/COPY request is ignored, as applicable. The return code is 4.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH460I** **INVALID DATA SET ORGANIZATION**

---

## Explanation

One of the following error conditions occurred: the source data set is not a partitioned, physical sequential, or direct access (BDAM) data set. Therefore, the data set cannot be processed by IEHMOVE.

## System action

The MOVE/COPY request is ignored. The return code is 12.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Correct the data set organization specified in the data set control block (DSCB).

## Source

DFSMSdfp

---

**IEH461I** **UNABLE TO OPEN {INPUT | SYSIN} DATA SET**

## Explanation

Either no DD statement was provided to define the input or SYSIN data set, or the block size specified for the data set is not a multiple of the logical record length.

## System action

The MOVE/COPY request is ignored. The return code is 12.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Probable user error. Correct the error and resubmit the job.

## Source

DFSMSdfp

---

**IEH462I** **NO RECORD FOUND OCCURRED READING DATA SET *dsname*.**

## Explanation

One of the following conditions was encountered while reading a direct organization data set:

- The record format of the data set is fixed (F), and a track within the data set is not completely filled with records.
- The record format is variable (V) or undefined (U), and not all tracks were initialized when the data set was created.
- An uncorrectable error occurred.

In the message text:

***dsname***

The data set name.

## System action

Message IEH361I is also issued. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the source input for the job.

## Programmer response

Ensure that the data set conforms to the standards of a direct organization data set.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH470I</b> | <b>CVOL NOT PERMITTED. DATA SET ASSUMED TO BE CATALOGED IN MASTER CATALOG</b> |
|----------------|---|

---

## Explanation

The parameter CVOL was encountered while scanning a MOVE, COPY, INCLUDE, or REPLACE statement. SYSCTLG data sets are no longer supported. IEHMOVE will attempt to locate the data set through the master catalog.

## System action

IEHMOVE will attempt to locate the data set through the master catalog. If unable to locate, message IEH471I will be issued. The return code is 8.

## Programmer response

The CVOL parameter should be removed from the affected control statement as soon as possible.

## Source

DFSMSdfp

---

|                |                                      |
|----------------|--------------------------------------|
| <b>IEH471I</b> | <b>DATA SET NOT FOUND IN CATALOG</b> |
|----------------|--------------------------------------|

---

## Explanation

A data set assumed to be cataloged (because of CVOL parameter) was not found in any available catalog.

## System action

The MOVE/COPY request is ignored. The return code is 12.

## Programmer response

If the data set should be cataloged, run access method services to catalog the data set. If the data set should not be cataloged, specify the from volume with the keyword FROM=. In any case, the parameter CVOL should be removed.

## Source

DFSMSdfp

### Explanation

For a COPY DSNAME or COPY PDS request, **all** of the following are true:

- The source data set is cataloged (FROM=device=list is not specified).
- The receiving data set is not to be renamed (RENAME= is not specified).
- CVOL processing has not been explicitly requested (CVOL= is not specified).

Since IEHMOVE has located the source data set through the catalog and the receiving data set has the same name, the master catalog operation would be unsuccessful. Therefore, the request is ignored.

### System action

The COPY operation will proceed. The CATLG request is ignored. The return code is 8.

### Programmer response

The CATLG parameter should be removed from the affected control statement as soon as possible.

### Source

DFSMSdfp

### Explanation

In a COPY DSNAME, COPY PDS, COPY DSGROUP, or COPY VOLUME request, a CATLG parameter (implying a request to catalog in a SYSCTLG data set) has been encountered. Since CVOL is no longer supported, cataloging will proceed in the master catalog. If a user catalog is available, the cataloging will take place in the user catalog rather than in the master catalog.

### System action

The COPY operation will proceed. The return code is 4.

### Programmer response

If the cataloging operation is unsatisfactory (takes place in the master catalog rather than in a user catalog), uncatalog the data set and recatalog in the proper catalog using access method services.

### Source

DFSMSdfp

### Explanation

An ISAM data set or VSAM data space, which is not supported by IEHMOVE.

In the message text:

#### ***dataset***

The data set name.

#### ***datspnme***

The data space name.



## System action

MOVE/COPY request is ignored. If VOLUME operation or DSGROUP operation, the return code is 4. If DSNAMES or PDS operation, the return code is 12.

## Programmer response

If ISAM or VSAM, use access method services to copy the data set/space.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH475I</b> | <b><i>dsname</i> IS A MULTIVOLUME DATASET AND HAS NOT BEEN MOVED/<br/>COPIED.</b> |
|----------------|---|

---

## Explanation

The data set is part of a multivolume data set (DS1IND80 'Last volume on which data set resides' was not on, in the DSCB) and only one volume was specified. If it is the last part of a multivolume data set, the MOVE/COPY will proceed normally without any message.

In the message text:

***dsname***

The data set name.

## System action

The MOVE/COPY request is ignored. If a VOLUME operation, the return code is 4 and operation continues with the next data set. If a DSNAMES operation, the return code is 12.

## Programmer response

To move a multivolume data set, use a MOVE/COPY DSNAMES and specify all volumes that the data set resides on in the control statement and DD statement. **Note:** A maximum of five volumes can be specified.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH476I</b> | <b>MINIMUM BUFFER SPACE UNAVAILABLE - SINGLE BUFFERING USED</b> |
|----------------|---|

---

## Explanation

The minimum of 2 input and 2 output buffers for enhanced IEHMOVE move/copy performance could not be obtained because space was not available.

## System action

The system uses a single buffer for the move/copy operation. IEHMOVE performance remains unchanged.

## Programmer response

Specify or increase the value in the REGION parameter of the JOB or EXEC statement to allow sufficient buffers so that IEHMOVE multiple buffering can be used. See [z/OS MVS JCL User's Guide](#) for information on specifying the REGION parameter.

## Source

DFSMSdfp

---

**IEH477I**

**BUFFER ALLOCATION STATISTICS FOR SEQUENTIAL DATASET MOVE/  
COPY OPERATION ARE: INPUT buffers = *xx* - OUTPUT BUFFERS = *yy*  
BUFFER SPACE OBTAINED = *nnnK* INCREASE JCL REGION PARAMETER  
BY *mmmK* TO OBTAIN MAXIMUM BUFFERS**

## Explanation

The system obtained a buffer size of *nnnK*. The last line of the message appears only when the region size specified is not sufficient to obtain the maximum number of buffers.

In the message text:

***xx***

The number of buffers that the system allocated for input.

***yy***

The number of buffers that the system allocated for output.

***nnnK***

The buffer space obtained in kilobytes.

***mmmK***

The number of kilobytes needed to obtain maximum buffers.

## System action

The data sets were copied/moved using enhanced IEHMOVE multiple buffers.

## Programmer response

If *nnnK* is less than the maximum, performance may be improved by increasing the value of the REGION parameter as indicated in the last line of the message.

## Source

DFSMSdfp

---

**IEH478I**

**MOVE/COPY REQUEST IGNORED BECAUSE THE TARGET VOLUME IS  
MANAGED BY THE STORAGE MANAGEMENT SUBSYSTEM**

## Explanation

MOVE or COPY DSNAMES, PDS, CATALOG, DSGROUP, or VOLUME operations are not supported when the output volume is SMS managed.

## System action

The system ends the requested MOVE or COPY operation.

## Programmer response

If the MOVE or COPY is a DSNAMES or PDS operation, pre-allocate the data set on the output volume and rerun the job.

## Source

DFSMSdfp

**Explanation**

While processing a MOVE or COPY request to SMS, the subsystem interface encountered an error that is further described by one of the following return codes:

**Return Code****Explanation****8**

The storage management subsystem exists, but is not active.

**12**

A functional or logical error exists, and cannot be processed.

**System action**

The system ignores the MOVE or COPY request.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Programmer response**

For a return code of 8, make sure SMS is active, and resubmit the MOVE or COPY operation. For a return code of 12, contact your programming support personnel.

**Source**

DFSMSdfp

**Explanation**

The construction of the control statement preceding this message is incorrect.

**System action**

Processing continues with the next control statement. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Correct the construction of the preceding statement, and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH602I****INVALID KEYWORD**

## Explanation

In the control statement preceding this message, a keyword is either incorrect or invalid for the specified function.

## System action

Processing continues with the next control statement. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the keyword on the preceding statement, and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH603I****INVALID PARAMETER VALUE (*parmvalue*)**

## Explanation

In the control statement preceding this message, a parameter is incorrect. The incorrect parameter value is included in the message whenever possible.

In the message text:

***parmvalue***

The incorrect parameter value.

## System action

Processing continues with the next control statement. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the parameter on the preceding statement, and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

**Explanation**

The tape that was to be labeled with the serial number was not mounted by the operator.

In the message text:

***ser***

The volume serial number.

**System action**

The current serial number is reserved for the unmounted tape, and the next number is used for the next tape to be labeled.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Find out why the tape was not mounted and take any indicated action. Check the console log for additional background.

**Source**

DFSMSdfp

**Explanation**

The device was removed from operation; that is, it is either unacceptable or not online.

In the message text:

***ddd***

The device indicated.

**System action**

The device is removed from the list of devices allocated to this job step by the associated DD statement. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Ensure that the parameters on the applicable DD statement are correct.

**Source**

DFSMSdfp

**Explanation**

A permanent input/output error was encountered on the device.

In the message text:

***ddd***

The device indicated.

**System action**

The device is removed from the list of devices allocated to this job step by the associated DD statement. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Source**

DFSMSdfp

**Explanation**

All devices allocated to this job step (specified in DD statement associated with the control statement being processed) have been eliminated as mountable devices.

**System action**

Processing continues with the next control statement. The return code is 8.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. If message IEH606I precedes this message, ensure that the parameters on the applicable DD statement are correct.

**Source**

DFSMSdfp

**Explanation**

A permanent input/output error was encountered while the SYSIN data set was either being opened or being read.

## System action

The job is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Ensure that the DCB parameters on the SYSIN DD statement are correct, particularly the BLOCKSIZE specification. If the DD statement is correct, the error probably occurred when the data set was being read.

## Source

DFSMSdfp

---

**IEH609I****INVALID DEVICE SPECIFIED FOR ASCII LABELING**

---

## Explanation

The tape to be initialized in ASCII code is not mounted on a magnetic tape drive.

## System action

Processing continues with the next INITT control statement. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Change the corresponding DD statement to specify a magnetic tape drive and resubmit the job.

## Source

DFSMSdfp

---

**IEH610I****INVALID PARM OR PARM LIST PASSED TO IEHINITT**

---

## Explanation

An incorrect parameter is coded in the EXEC statement or in the parameter list passed by a LINK or ATTACH macro.

## System action

The job is ended. The return code is 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check the parameters passed to IEHINITT for validity, and resubmit the job.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IEH611I</b> | <b>INVALID DENSITY SPECIFIED, DEFAULT VALUE USED</b> |
|----------------|--|

---

## Explanation

The density specified in the DCB parameter of the DD statement is incorrect for the unit requested.

## System action

The default density value for the unit requested is used.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. If the labels are to be written at a different density than the default value, change the density value in the DCB parameter, and relabel the tape(s).

## Source

DFSMSdfp

---

|                |                                      |
|----------------|--------------------------------------|
| <b>IEH612I</b> | <b>INVALID VALUE FOR ACCESS CODE</b> |
|----------------|--------------------------------------|

---

## Explanation

A character other than uppercase A-Z was specified as the access code for ANSI tape.

## System action

Processing continues with the next INITT statement.

## Programmer response

Probable user error. Check the access code value on the indicated statement. Change to uppercase A-Z.

## Source

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IEH613I</b> | <b>ACCESS KEYWORD INVALID FOR NON-AL TAPE</b> |
|----------------|---|

---



## Explanation

The ACCESS keyword was specified without LABTYPE=AL being specified. The result is an access code-protected standard label tape which is incorrect.

## System action

Processing continues with next INITT command. The return code is 8.

## Programmer response

Probable user error. Either specify LABTYPE=AL or remove ACCESS=xxx.

## Source

DFSMSdfp

---

**IEH614I****Invalid character in SERIAL/OWNERID**

---

## Explanation

An incorrect character was found in the parameter for the 'SER' or the 'OWNER' keywords. The valid character set differs for SL and AL labels.

## System action

Processing continues with the next control statement. The return code is 8.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the parameter value on the preceding statement and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH615I****IEHINITT NOT SUPPORTED IN TAPE LIBRARY**

---

## Explanation

IEHINITT may not be used to initialize tapes in a tape library.

## System action

The job step is ended. The return code is 8.

## Programmer response

Probable user error. Do not use IEHINITT to initialize tapes in a tape library.

## Source

DFSMSdfp

---

**IEH616I**

**NUMBER OF TAPES EXCEEDS 255, RESET TO 255**

## Explanation

The number of tapes specified on the NUMBTAPE keyword exceeds 255, therefore, the number has been reset to 255.

## System action

The system resets to 255 the value specified on the NUMBTAPE keyword and sets a return code of 8. Processing continues.

See [z/OS DFSMSdfp Checkpoint/Restart](#) for information about return code 8.

## Programmer response

Probable user error. Correct the value specified on the NUMBTAPE keyword.

## Source

Data Facility Storage Management Subsystem (DFSMS)

## Module

IEHINITT

---

**IEH617I**

**THE DDNAME PASSED TO IEHINITT IS INVALID OR BLANK. THE  
DDNAME WAS dddddddd.**

## Explanation

The DDNAME on the utility control statement is invalid. Most likely, the name specified on the utility control statement did not match the ddname in the name field of the DD statement which defined the tape unit(s).

In the message text:

**dddddddd**

The ddname.

## System action

None.

## User response

Correct the JCL and rerun the job.

## Source

IEHINITT

---

**IEH618I**

**UNABLE TO ALLOCATE STORAGE TO ACQUIRE ALLOCATED UCBS FOR  
DDNAME dddddddd.**

## Explanation

System error. This is for IBM diagnostic purposes only. Most likely, the system could not obtain a lock that is required.

In the message text:

**dddddddd**

The ddname.

## System action

None.

## User response

Record the return code and supply it to the appropriate IBM support personnel.

## Source

IEHINITT

---

**IEH619I**

**UNABLE TO CAPTURE UCB FOR DDNAME dddddddd**

## Explanation

System error. This is for IBM diagnostic purposes only. Most likely, the UCB address provided by the caller does not represent a valid UCB.

In the message text:

**dddddddd**

The DDNAME.

## System action

None.

## User response

Record the return code and supply it to the appropriate IBM support personnel.

## Source

IEHINITT

---

**IEH620I**

**LACS *func*, RETURN CODE: *return\_code*, REASON CODE: *return\_code*.  
SEE MESSAGE CBR4000I IN JOB LOG.**

## Explanation

IEHINITT invoked LACS (the Library Automation Communication Services) which returned a non-zero return code.

In the message text:

***func***

The LACS function that was called

***return\_code***

The hexadecimal return code.

***reason\_code***

The hexadecimal reason code.

## System action

Processing continues.

## System programmer response

See message CBR4000I in the job log.

## Source

IEHINITT

---

|                |  |
|----------------|--|
| <b>IEH621I</b> | <b>VOLUME <i>volser</i>, NOT [Labeled   REKEYED], RACF AUTHORIZATION FAILURE SAF RC: <i>return-code</i>, RACF RC: <i>return_code</i>, REASON CODE: <i>reason-code</i>.</b> |
|----------------|--|

## Explanation

Operation failed because the user did not have RACF TAPEVOL access to the volume.

In the message text:

### ***volser***

The volume serial number.

### ***return-code***

The hexadecimal return code.

### ***reason-code***

The hexadecimal reason code.

## System action

Processing continues for the next tape.

## System programmer response

Obtain RACF authorization to the volume.

## Source

IEHINITT

---

|                |   |
|----------------|---|
| <b>IEH622I</b> | <b>SERVO TRACKS MISSING AND THE DEVICE DOES NOT SUPPORT FORMATTING. RETURN CARTRIDGE TO SUPPLIER TO BE REFORMATTED.</b> |
|----------------|---|

## Explanation

IEHINITT cannot label the tape because the tape does not contain servo track information and the device does not support the rewriting of servo tracks.

## System action

None.

## Operator response

Return the tape to the supplier so that the servo tracks can be rewritten.

## Source

IEHINITT

---

**IEH623E**

**INVALID SERIAL NUMBER. AT LEAST ONE OR MORE RIGHTMOST CHARACTERS MUST BE NUMERIC WHEN NUMBTape IS GREATER THAN 1**

## Explanation

The volser specified with the SER keyword was expected to have at least one or more rightmost characters being numeric but it was not. The reason that the volser was expected to have at least one rightmost character being numeric is that NUMBTape was specified with a value greater than 1. This indicates that tape volumes are to be mounted with volser values that are derived by incrementing numeric suffix of the volser that is indicated with the SER keyword. In order for this to happen properly, the volser specified with the SER keyword must have at least one or more rightmost characters specified as numeric.

## System action

Processing continues with the next control statement.

## Operator response

None.

## Source

DFSMSdfp

---

**IEH626I**

**REQUIRED MODULE IGC0103I MISSING.**

## Explanation

The second load of the LABEL SVC is missing. This can be the result of an incorrect install or an erroneous linkedit.

## System action

Processing terminates.

## Operator response

None.

## System programmer response

The cause of the missing code must be determined and resolved by reinstating the missing code.

## Source

DFSMSdfp

---

**IEH627I**

**VOLUME NOT LABELED, REASON CODE = *wwwxyyzz*. PLEASE REFER TO MESSAGE MANUAL FOR BIT SETTING EXPLANATION.**

## Explanation

The volume was not labeled as a result of exit processing. The reason for the failure is encoded (hex representation) in the reason code, which maps directly to the settings in the four-byte field INXNLBRS in

macro IEHUEXIT, which normally resides in SYS1.MACLIB. The macro should be referenced for the very latest mapping. However, the bit definitions current at the time of this edition are:

**Byte 1 ww**

**X'80'**

Error on call to CSVDYNEX.

**X'40'**

An exit routine abended.

**X'20'**

Invalid return code from exit routine (not 0, 4, 8).

**X'10'**

Invalid reason code from exit routine (not 0, 4).

**X'08'**

A previous exit indicated that the volume is not to be labeled.

**X'04'**

Conflicts in the results from calls to exits have been encountered.

**X'02'**

At least one exit routine returned rc=0 with a modified volser and either other exit routines returned rc=0 without modifying the volser, or the modified volser's didn't match.

**X'01'**

Two or more exits requested that the volser be changed, but the changed volsers don't match.

**Byte 2 xx**

**X'80'**

An exit routine requested no OWNERID change, but another exit requested an OWNERID change.

**X'40'**

Two or more exits requested that the OWNERID be changed, but the changed OWNERIDs don't match.

**X'20'**

An exit routine requested no ACCODE change, but another exit requested ACCODE change.

**X'10'**

Two or more exits requested that the ACCODE be changed, but the changed ACCODEs don't match.

**X'08'**

A conflict in the return codes returned by the exit routines was detected. One routine returned a 0 and another returned an 8.

**X'04'**

Invalid volser character supplied by an exit routine.

**X'02'**

Invalid OWNERID character supplied by an exit routine.

**X'01'**

Invalid ACCODE character supplied by an exit routine.

**Byte 3 yy**

**X'80'**

There is a conflict in rc=8 reason code processing. An exit routine returned rsn=4, requesting remount and another returned rsn=0, indicating don't label the tape at all.

**X'40'**

An exit routine requested remount but no new volser was provided.

**X'20'**

Conflict in remount volser value. New volser values don't match.

**X'10'**

Failure in internal processing not related to dynamic exits services.

**X'08'**

Operator replied to skip labeling the volume.

**X'04'**

Mounted volume is file protected.

**X'02'**

Reserved.

**X'01'**

Reserved.

**Byte 4 zz**

**X'FF'**

Reserved.

### System action

Processing will continue with next INITT control card, if possible. Conditions such as failures in the CSVDYNEX facility will prevent continuation.

### Operator response

None.

### System programmer response

A System Programmer may need to investigate some failures, particularly those associated with the CSVDYNEX facility itself. Other failures that may require such attention would be those associated with conflicts between exit routines.

### Source

DFSMSdfp

---

**IEH628I**

**INVALID RETURN CODE FROM POST-LABEL EXIT ROUTINE: RC = xx**

### Explanation

One or more post-label exit routines returned a value other than 4. The post-label exit routines are called to allow them to review the result of pre-label exit processing and the result of the labelling I/O, if it occurred. In an effort to enforce compatibility with any future enhancements to post-label processing, the return and reason code will be inspected and if anything other than RC=4, RSN=0 is returned this warning message is issued.

### System action

Processing continues.

### Operator response

None.

### System programmer response

The offending exit routine should be changed to return a return code of 4 and a reason code of 0.

### Source

DFSMSdfp

---

**IEH629I****CALL TO DYNAMIC EXIT SERVICE CSVDYNEX FAILED DURING [{PRE | POST} LABEL | REKEYING] PROCESSING. RC = xx, RSN = yy****Explanation**

The call to the Dynamic Exits Facility failed for either pre-label, post-label, or rekeying processing. The return code and reason code from the call are displayed.

**System action**

Processing terminates if the failure occurred during the pre-label or post-label processing. Processing continues if the failure occurred during the rekeying processing.

**Operator response**

None.

**System programmer response**

Check the return and reason codes to determine the cause of the failure.

**Source**

DFSMSdfp

---

**IEH630I****REKEY FAILED FOR VOLUME, *volser*****Explanation**

Rekeying processing failed for the volume.

**System action**

Processing terminates.

**Programmer response**

Check other error messages for the cause of the failure.

**Source**

DFSMSdfp

---

**IEH631I****ONE KEYLABLX AND KEYENCDX ARE REQUIRED****Explanation**

At least one key label and its associated encoding mechanism must be specified for rekeying processing.

**System action**

Processing continues with the next control statement.

**Programmer response**

Probable user error. Correct the construction of the preceding statement, and resubmit the job for those tapes that were bypassed.



## Source

DFSMSdfp

---

**IEH632I****KEYENCDX REQUIRED IF KEYLABLX IS SPECIFIED**

---

## Explanation

If a key label keyword is specified, its associated encoding mechanism keyword must also be specified. For example, KEYENCD1 must be specified if KEYLABL1 is specified, and vice versa.

## System action

Processing continues with the next control statement.

## Programmer response

Probable user error. Correct the construction of the preceding statement, and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH633I****KEYLABLX REQUIRED IF KEYENCDX IS SPECIFIED**

---

## Explanation

If an encoding mechanism keyword is specified, its associated key label keyword must also be specified. For example, KEYLABL2 must be specified if KEYENCD2 is specified, and vice versa.

## System action

Processing continues with the next control statement.

## Programmer response

Probable user error. Correct the construction of the preceding statement, and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH635I****INVALID VALUE FOR KEYENCDX KEYWORD EXPECTED L FOR LABEL OR  
H FOR HASH**

---

## Explanation

A character other than uppercase L and H was specified as the encoding mechanism for key labels.

## System action

Processing continues with the next control statement.

## Programmer response

Probable user error. Correct the value specified for the keyword and resubmit the job for those tapes that were bypassed.

## Source

DFSMSdfp

---

**IEH636I****CALL TO DFSMSrmm API ENDED WITH RC=XXXX**

---

## Explanation

The call to the DFSMSrmm Application Programming Interface failed with return code *RC=XXXX*. The call is to notify DFSMSrmm of the new key label information for every successful rekeying processing.

## System action

Processing continues.

## Programmer response

Check the return code from the DFSMSrmm API to determine the cause of the failure and ensure the new key label information is updated appropriately.

## Source

DFSMSdfp

---

**IEH637I****DEVICE DOES NOT SUPPORT REKEY FEATURE**

---

## Explanation

The device does not support the REKEY feature or the microcode is not at the latest level.

## System action

Processing terminates.

## Programmer response

Contact hardware support to ensure device compatibility.

## Source

DFSMSdfp

---

**IEH638I****TAPE IS NOT ENCRYPTED**

---

## Explanation

The mounted tape is not encrypted.

## System action

Processing continues for the next volume.

## Programmer response

None.

## Source

DFSMSdfp

---

**IEH639I****CALL TO RMM API AND DYNAMIC EXIT FAILED DUE TO MODULE  
IGC0103I MISSING****Explanation**

The second load of the LABEL SVC is missing. This can be the result of an incorrect installation or an erroneous linkedit.

**System action**

Processing continues for the next volume.

**Programmer response**

The cause of the missing code must be determined and resolved by reinstating the missing code.

**Source**

DFSMSdfp

---

**IEH640I****KEY LABELS WERE NOT SUCCESSFULLY CHANGED****Explanation**

The key labels were not successfully changed even though the rekeying I/O was successful.

**System action**

Job is ended with the return code 8.

**Programmer response**

Probable hardware error. Contact hardware support or system programmer.

**Source**

DFSMSdfp

---

**IEH641I****THE NUMERIC SUFFIX OF SERIAL NUMBER EXCEEDED POSSIBLE  
MAXIMUM VALUE – THE LAST VOLUME PROCESSED WAS *volser*****Explanation**

The numeric suffix of the volume serial number exceeded its possible maximum value and could not be further incremented.

**System action**

IEHINITT stops processing the remaining tapes and continues with the next control statement.

**Operator response**

Probable user error. Check the value of NUMBTAPE and the starting value of the *volser* number on the preceding statement, and resubmit the job for those tapes that were bypassed.

**Source**

DFSMSdfp

**Explanation**

A volume was detected with the Virtual Device or Virtual Volume flag turned on in its associated UCB.

**System action**

Processing continues with the next control card.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL.

**Programmer response**

Probable user error; a virtual unit should not be specified. Specify a real device.

**Source**

DFSMSdfp

---

## Chapter 10. IEW messages (IEW0000 - IEW0999)

---

**IEW0000**

**(ctlstte)**

### Explanation

The control statement is printed as a result of the LIST option.

In the message text:

**ctlstte**

The control statement.

### Source

DFSMSdfp

### Module

HEWLFSCN

### Routing code

Note 11

### Descriptor code

-

---

**IEW0012**

**ERROR - INPUT CONTAINS INVALID TWO-BYTE RELOCATABLE  
ADDRESS CONSTANT, CONSTANT HAS NOT BEEN RELOCATED.**

### Explanation

A relocatable A-type or V-type address constant of less than 3 bytes has been found in the input.

### System action

The constant is not relocated.

### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

### Programmer response

Probable user error. Check assembler language input for V-type address constants, which cannot be relocated. Delete or correct the incorrect address constant.

### Source

DFSMSdfp

## Routing code

Note 11

## Descriptor code

-

---

**IEW0022**

**ERROR - INPUT CONTAINS INVALID V-TYPE ADDRESS CONSTANT,  
CONSTANT HAS NOT BEEN RELOCATED.**

## Explanation

A V-type address constant of less than 4 bytes has been found in the overlay structure.

## System action

The constant is not relocated.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input, the source program listing for the job, and the output used to isolate the address constant.

## Programmer response

Probable user error. Either (1) specify a length of 4 bytes for all V-type address constants; or (2) if a 3-byte V-type address constant refers to a symbol within its overlay segment, you can assemble it as an A-type address constant with an EXTRN statement. One method of isolating an incorrect address constant is (1) link edit with OVLY and XREF options specified; (2) link edit again without the OVLY option; and (3) compare the external reference lists. Any reference appearing in the second run and not in the first is incorrect in an overlay structure.

## Source

DFSMSdfp

## Module

HEWLFREL

## Routing code

Note 11

## Descriptor code

-

---

**IEW0033**

**ERROR - INVALID ENTRY POINT FROM END CARD, NO ENTRY POINT  
ASSIGNED.**

## Explanation

The entry point for the program was specified as a relative address in an END card. The entry point that was specified appeared to be valid when the END card was processed; however, the entry point was found to be incorrect when the entry point of the load module was being determined.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Check object module input for completeness. Then, either specify an entry point name on the ENTRY control statement; or, if entry points were specified at compilation or assembly, make sure the object module containing the desired entry point precedes all other object modules with assembled or compiled entry points.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0043****ERROR - INPUT CONTAINS INVALID EXTERNAL SYMBOL ID.**

## Explanation

END card is probably mispunched.

## System action

The incorrect item is ignored.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the output used to isolate the module.

## Programmer response

Probable user error. Check the input object modules for completeness and proper sequence. If necessary, either (1) recreate any module that has been in card form, or (2) isolate the incorrect module by running the linkage editor with the NCAL option specified, using the NAME control statement for each input module. Diagnostic IEW0043 should recur and isolate the incorrect module. Recreate the module, and rerun the step.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0053**

**ERROR - ENTRY STATEMENT SYMBOL PRINTED IS INVALID (NOT AN EXTERNAL NAME), NO ENTRY POINT ASSIGNED.**

## Explanation

The symbolic entry point specified in an ENTRY statement is not a control section or an entry name.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Probable user error. Correct the ENTRY control statement, or make sure that the control section containing the entry point is included in the input and has not been accidentally deleted or redefined by a REPLACE or CHANGE control statement.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0063**

**ERROR - END CARD SYMBOL PRINTED IS INVALID (NOT AN EXTERNAL NAME), NO ENTRY POINT ASSIGNED.**

## Explanation

The symbolic entry point specified in an END statement is not a control section or an entry name.



## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Check that the entry point control section or entry name has not been accidentally deleted or redefined by a REPLACE or CHANGE control statement. Check the module containing the entry point for completeness.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0073**

**ERROR - ENTRY STATEMENT SYMBOL PRINTED IS NOT IN ROOT  
SEGMENT OF OVERLAY STRUCTURE, NO ENTRY POINT ASSIGNED.**

## Explanation

The entry point specified is in a segment other than the root segment. Either (1) the module containing the entry point was placed in a segment other than the root segment by means of the INSERT statement, or (2) the entry point is incorrectly specified on the ENTRY statement.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Probable user error. Either correct the ENTRY control statement, or move the module containing the entry point to the root segment.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

|                |  |
|----------------|--|
| <b>IEW0083</b> | <b>ERROR - END CARD SYMBOL PRINTED IS NOT IN ROOT SEGMENT OF OVERLAY STRUCTURE, NO ENTRY POINT ASSIGNED.</b> |
|----------------|--|

## Explanation

The entry point is in a segment other than the root segment. Either (1) the INSERT statement was used to place the control section containing the entry point in another segment, or (2) the symbol specified on the END statement is incorrect.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Probable user error. Move the object module containing the entry point to the root segment, or specify an entry point in the root segment using the ENTRY control statement.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEW0093</b> | <b>ERROR - END CARD ENTRY POINT ADDRESS PRINTED IS NOT IN ROOT SEGMENT OF OVERLAY STRUCTURE, NO ENTRY POINT ASSIGNED.</b> |
|----------------|---|

## Explanation

The entry point is in a segment other than the root segment. Either (1) the INSERT statement was used to place the control section containing the entry point in another segment, or (2) the address specified on the END statement is incorrect.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save the object module input.

## Programmer response

Probable user error. Move the object module containing the entry point to the root segment, or specify an entry point in the root segment using the ENTRY control statement.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0102**

**ERROR - INVALID ENTRY POINT ON END CARD, ENTRY, POINT  
IGNORED.**

## Explanation

A possible entry point for the program was specified as a relative address in an END card. When the END card was processed, the control section identification of the specified entry point was found to be incorrect.

## System action

The entry point is ignored. The first valid entry point encountered is used; if there is none, no entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check the input object modules for completeness and proper sequence. If necessary, either (1) recreate any module which has been in card form, or (2) isolate the incorrect module by running the linkage editor with the NCAL option specified, using the NAME control statement for each input object module. Diagnostic IEW0102 should recur and isolate the incorrect module. Recreate the module, and rerun the step.

## Source

DFSMSdfp

## Module

HEWLFEND

## Routing code

Note 11

## Descriptor code

-

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**IEW0113**

**ERROR - OUTPUT MODULE CONTAINS NO CONTROL SECTIONS  
IN ROOT SEGMENT OF OVERLAY STRUCTURE, NO ENTRY POINT  
ASSIGNED.**

## Explanation

There are no control sections in the root segment. Either (1) all control sections originally in the root segment have been deleted, or (2) there were no control sections originally in the root segment, or (3) an OVERLAY statement preceded the input.

## System action

No entry point is assigned.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Save the root segment module and its associated listings.

## Programmer response

Probable user error. Place at least one control section in the root segment.

## Source

DFSMSdfp

## Module

HEWLFENT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0123****ERROR - NO ESD ENTRIES, EXECUTION IMPOSSIBLE.**

## Explanation

There are no external symbol dictionary entries. There are no control sections in the output.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the source input, the source program listing for the job, and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check other messages issued for cause of error (that is, incorrect input from object module). Ensure that at least one control section appears in the input and is not deleted by the REPLACE control statement.

## Source

DFSMSdfp

## Routing code

Note 11

## Descriptor code

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---

**IEW0132****ERROR - SYMBOL PRINTED IS AN UNRESOLVED EXTERNAL REFERENCE.**

## Explanation

An external reference is unresolved at the end of input processing. None of the following is specified: restricted no-call, never-call, or NCAL.

## System action

The module cannot be processed unless LET is specified.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input, the source program listing for the job, and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check that the reference is valid and not the result of a keypunch or programming error. If the reference is valid, add the needed module or alias to one of the input data sets. Make sure the SYSLIB data set DD statement has been specified, if needed. If resolution is not desired, specify NCAL, never-call, or restricted no-call. If the reference was found in a control section replaced by another control section not containing that same reference, delete the reference, or specify NCAL, never-call, or restricted no-call.

## Source

DFSMSdfp

## Module

HEWLFADA

## Routing code

Note 11

## Descriptor code

-

---

**IEW0143**

**ERROR - NO TEXT.**

## Explanation

No text remains in the output module. Either (1) all the control sections originally in the input are deleted, or (2) there are no control sections that originally contained text.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Save a module containing text.

## Programmer response

Probable user error. Check other messages issued for cause of error (that is, incorrect input from object module). Ensure that at least one control section contains text and is not deleted by the REPLACE control statement or by automatic replacement.

## Source

DFSMSdfp

## Module

HEWLFOUT, HEWLFINP

## Routing code

Note 11

## Descriptor code

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**IEW0152**

**ERROR - INVALID OVERLAY STRUCTURE, NO CALLS OR BRANCHES  
MADE FROM ROOT SEGMENT.**

## Explanation

There are no calls or branches from the root segment to a segment lower in the tree structure. Other segments cannot be loaded.

## System action

The module cannot be processed unless LET is specified.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Have a root segment module that calls another segment available with its associated listing.

## Programmer response

Probable user error. Make sure the root segment contains a control section that refers to at least one other segment in the overlay structure by means of a V-type address constant.

## Source

DFSMSdfp

## Module

HEWLFENS

## Routing code

Note 11

## Descriptor code

-

---

**IEW0161**

**WARNING - EXCLUSIVE CALL FROM SEGMENT NUMBER PRINTED TO  
SYMBOL PRINTED - XCAL WAS SPECIFIED.**

## Explanation

There is a valid exclusive branch-type reference; The XCAL option is specified for this job step.

## System action

Processing continues.

## Programmer response

Normally, no response is necessary. You can check that the printed branch-type references between exclusive segments are correct according to your overlay structure.

## Problem determination

If you suspect that the message fails to appear when it should, or appears incorrectly, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Have modules that contain the calls and symbol available with associated source listings.

### Source

DFSMSdfp

### Module

HEWLFENS

### Routing code

Note 11

### Descriptor code

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**IEW0172**

**ERROR - EXCLUSIVE CALL FROM SEGMENT NUMBER PRINTED TO  
SYMBOL PRINTED.**

### Explanation

A valid branch-type reference is made from a segment to an exclusive segment: The XCAL option is not specified.

### System action

The module cannot be processed unless the LET option is specified.

### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Have the modules containing the symbol and the calls to it available with associated listings.

### Programmer response

Probable user error. Either (1) rearrange the overlay structure to place both segments in the same path, or (2) specify the XCAL option.

### Source

DFSMSdfp

### Module

HEWLFENS

### Routing code

Note 11



## Descriptor code

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**IEW0182**

**ERROR - INVALID EXCLUSIVE CALL FROM SEGMENT NUMBER PRINTED  
TO SYMBOL PRINTED.**

## Explanation

There is an incorrect exclusive branch-type reference from a segment to a symbol in an exclusive segment.

## System action

The module cannot be processed unless the LET option is specified.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem. Have the modules containing the symbol and the calls to it available with associated listings.

## Programmer response

Probable user error. Either (1) place the segments in the same path, or (2) place a V-type address constant in a common segment.

## Source

DFSMSdfp

## Module

HEWLFENS

## Routing code

Note 11

## Descriptor code

-

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**IEW0201**

**WARNING - OVERLAY STRUCTURE CONTAINS ONLY ONE SEGMENT -  
OVERLAY OPTION CANCELLED.**

## Explanation

There are no OVERLAY statements in the input.

## System action

The overlay option is canceled.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either place OVERLAY statements in the input, or remove the OVLY option from the EXEC statement.

## Source

DFSMSdfp

## Module

HEWLFADA

## Routing code

Note 11

## Descriptor code

-

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**IEW0212**

**ERROR - EXPECTED CONTINUATION CARD NOT FOUND.**

## Explanation

A linkage editor control statement specifying a continuation (nonblank in column 72) is not followed by a continuation card.

## System action

The card is not processed as a continuation, but as normal input.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either remove the nonblank character in column 72 or insert the necessary continuation record.

## Source

DFSMSdfp

## Module

HEWLFINP

## Routing code

Note 11

## Descriptor code

-

**Explanation**

One of the following occurred during the processing of an object module:

- A record of incorrect type was encountered.
- A text (TXT) record was encountered in which the data length (columns 11-12) is incorrect or mispunched.
- An incorrect, probably mispunched relocation dictionary (RLD) record was encountered in an object module.

**System action**

The record in error is ignored, and processing continues.

**System programmer response**

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input for the job.

**Programmer response**

1. Remove all extraneous records from the input to the linkage editor.
2. Ensure that linkage editor control statements are placed either before or after object modules.
3. Ensure that all records in the object module have a 12-2-9 punch in column 1.
4. Ensure that all records in the object module contain one of the following in columns 2-4: ESD, SYM, TXT, RLD, or END.
5. Locate the TXT or RLD record having the incorrect or mispunched data; regenerate the object module, or investigate the punching device or generating processor for malfunctions.

**Source**

DFSMSdfp

**Module**

HEWLFESD, HEWLFINP, HEWLFRAT

**Routing code**

Note 11

**Descriptor code**

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**Explanation**

Either (1) the linkage editor has encountered a text record (in an input load module) that is larger than the load module buffer; (2) the linkage editor has read a member that does not contain a valid load module; (3) the programmer specified a region size that is too small to contain the largest load module; or (4) an EXPAND operation failed when the resulting text record was too large to be contained in the load module buffer.

## System action

In case 3, the system ends the operation; in all other cases, processing continues and the resulting output module cannot be processed.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

In cases 1 and 4, specify value2 of the SIZE parameter as a number equal to or greater than the size of the largest text record in any input load module. (Value2 must be equal to or greater than one-half the size of the value2 in the link edit of any input load module.) You may also have to increase the value1 of the SIZE parameter, or increase the region size, or increase both. Then, run the job step again.

In case 2, check for correct DD statements for all of the input data sets. If no DD statements need correction, then you must try to isolate the incorrect load module by completing the following procedures in order.

1. Specify the NCAL option and run the job step again. If message IEW0234 reappears, the incorrect load module is in primary input; otherwise, it is in SYSLIB input.
2. Run the linkage editor with INCLUDE and NAME statements for each load module in either primary or SYSLIB input, depending on the result of procedure 1.
3. When you have isolated the incorrect load module by completing procedure 2, recreate that module and run the job step once again.

In case 3, increase the region size, and resubmit the job.

If the problem recurs for any of the cases, do the following before calling your programming support personnel:

- If an incorrect load module was created, run the service aid program, AMBLIST, using the OUTPUT=MODLIST option of the LISTLOAD function, and save the resultant listing.
- Make sure that the failing job step ran with the XREF and LIST options.

## Source

DFSMSdfp

## Module

HEWLFRAT, HEWLFINP, HEWLFESD

## Routing code

Note 11

## Descriptor code

-

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**IEW0241**

**WARNING - EXTERNAL SYMBOL PRINTED IS DOUBLY DEFINED - ESD  
TYPE DEFINITIONS CONFLICT.**

## Explanation

Two identical external names have been found in the input. (1) The incorrect match involves a label reference (LR) or label definition (LD) matching an existing section definition (SD), common (CM), or label reference (LR).

The section definition for the input LR or LD must be marked delete in order for this not to be an error. (2) It is always incorrect for a CM to match an existing LR.

### System action

References to the name are resolved with respect to the first occurrence of the name.

### System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the source input for the job.

### Programmer response

Probable user error. Correct the existing symbol conflict. To isolate the problem, run the following functions of the service aid program AMBLIST. Load module symbols can be printed using the LISTLOAD function, specifying the OUTPUT=XREF option. Object module symbols can be printed using the LISTOBJ function of the service aid program.

### Source

DFSMSdfp

### Module

HEWLFESD

### Routing code

Note 11

### Descriptor code

-

---

**IEW0254**

**ERROR - TABLE OVERFLOW - TOO MANY EXTERNAL SYMBOLS IN ESD.**

### Explanation

This message appears when either the CESD table or the order table has overflowed. The CESD table for the load module being created overflows for one of two reasons:

- the table has reached its design limit of 32768 entries; or
- the table has reached the maximum number of entries set by the linkage editor.

Similarly, the order table for this link edit overflows for one of the following reasons:

- the table has reached its design limit of 32768 bytes;
- the table has reached the maximum number of bytes set by the linkage editor; or
- the number of operands on the ORDER control statement exceeds one third of either the design limit or the limit set by the linkage editor. (Each operand on the ORDER statement requires three bytes in the order table.)

### System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. Check that no unnecessary modules or control statements are included in the input. Then, perform one of the following operations, depending on which condition caused the overflow.

- If the CESD table has reached its design limit, reduce the number of external symbols in the input by eliminating alternate entry points, or by combining control sections, subroutines, or common areas.
- If either the CESD or the order table has reached the maximum number of entries or bytes set by the linkage editor, reset the linkage editor's table space by doing one or both of the following:
  - Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
  - Increase the region size if necessary.
- If the order table has reached its design limit, reduce the number of operands on the ORDER statement.

## Source

DFSMSdfp

## Module

HEWLFESD, HEWLFADA, HEWLFSCN

## Routing code

Note 11

## Descriptor code

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IEW0264

**ERROR - TABLE OVERFLOW - INPUT LOAD MODULE CONTAINS TOO MANY EXTERNAL SYMBOLS IN ESD.**

## Explanation

Before the linkage editor could process all of the external symbols in an input load module, one of three conditions has occurred: (1) the ESD table has reached its design limit of 32768 entries; (2) the ESD table has reached the maximum number of entries set by the linkage editor; or (3) an input ESD record contains incorrect data.

## System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. Depending on which condition caused the table to overflow, either

- Break down any large input module into a number of smaller modules so that the ESD table will not reach its design limit
- Reset the linkage editor's table space by doing one or both of the following:
  - Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
  - Increase the region size if necessary
- Check that the input object modules are complete and valid.

## Source

DFSMSdfp

## Routing code

Note 11

## Descriptor code

-

---

**IEW0272**

**ERROR - LOAD MODULE FROM LIBRARY SPECIFIED UNACCEPTABLE.**

## Explanation

When the load module was created, it was marked not editable.

## System action

The load module was not accepted as input.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. If the module is unacceptable because it is marked not editable, it must be recreated before it can be input to the linkage editor. Run the IEHLIST utility program, using the LISTPDS function with the FORMAT option, to print out the module's directory entry and show the not editable indicator.

## Source

DFSMSdfp

## Module

HEWLFESD, HEWLFINC

## Routing code

Note 11

## Descriptor code

-

---

**IEW0284**

**ERROR - DDNAME PRINTED CANNOT BE OPENED.**

## Explanation

The specified data set cannot be opened. The DD statement defining the data set is missing.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) supply the missing DD statement, or (2) correct erroneous information on the DD statement. If the linkage editor was invoked by a macro instruction such as LINK rather than through the EXEC statement, make sure the ddname list, if passed, was correct.

## Source

DFSMSdfp

## Module

HEWLFINI, HEWLFRAT

## Routing code

Note 11

## Descriptor code

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**IEW0294****ERROR - DDNAME PRINTED HAD SYNCHRONOUS ERROR.**

## Explanation

Either (1) a physical uncorrectable I/O error occurred, or (2) an object module is missing an END card as the last card, or (3) if the data definition name that was printed is for a DD statement that defines a blocked input data set of fixed format, an input record larger than the specified block size or logical record length was found, or (4) the data set may be too full for STOW to write an EOF mark, or (5) an INCLUDE control statement is in a member of the library defined by the SYSLIB DD statement that is being used by the automatic library-call mechanism, or (6) the NOLOAD option was used for the compile instead of the LOAD option.

## System action

Processing is ended. The data definition name in the name field of the DD statement for the input data set was printed after the message code. If an input/output error occurred, the information provided by the SYNADAF macro instruction was printed after the message code in the following format: SYNAD EXIT, jobname, stepname, unit address, device type, ddname, operation attempted, error description, block count or BBCCHHR, and access method.



## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

For any fixed format, specify the correct block size. If the block size was correct and the data set was an input data set, recreate or restore the data set. For condition (4), compress the data set, and rerun the job. For condition (5), remove the INCLUDE control statement and rerun the job. For condition (6), the LOAD option must be used for the compile.

## Source

DFSMSdfp

## Module

HEWLFR0U, HEWLFFNL

## Routing code

Note 11

## Descriptor code

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IEW0302

ERROR - INVALID STATEMENT - SCAN TERMINATED.

## Explanation

Either (1) there is an error on a linkage editor control statement, or (2) an OVERLAY control statement was encountered and the OVLY attribute was not specified on the EXEC statement.

## System action

A statement in error is accepted as input up to the point of the error; the OVERLAY statements are ignored, and the module is not in overlay format.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) correct the error, if necessary, or (2) specify OVLY on the EXEC statement.

## Source

DFSMSdfp

## Module

HEWLFCSCN

## Routing code

Note 11

## Descriptor code

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**IEW0314****ERROR - MAXIMUM NUMBER OF REGIONS (4) EXCEEDED.**

## Explanation

There are 5 or more regions specified in this overlay structure.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. Reduce the number of regions in the overlay structure to 4.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

-

---

**IEW0324****ERROR - MAXIMUM NUMBER OF SEGMENTS EXCEEDED.**

## Explanation

The number of segments exceeded 255.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Reduce the number of segments in the overlay structure to 255, or less.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEW0332</b> | <b>ERROR - MAXIMUM NUMBER OF ALIASES (64) EXCEEDED, EXCESS IGNORED.</b> |
|----------------|---|

## Explanation

More than 64 aliases were specified for the output load module.

## System action

The excess aliases are ignored.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. Either (1) reduce the number of aliases, or (2) create a second copy of the module under a different name with the additional aliases specified.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEW0342</b> | <b>ERROR - LIBRARY SPECIFIED DOES NOT CONTAIN MODULE.</b> |
|----------------|---|

## Explanation

STOW returned a nonzero return code for one of the following reasons.

1. The library specified on an INCLUDE or LIBRARY statement does not contain the module.
2. Permanent I/O error encountered while searching the directory.
3. Insufficient virtual storage available.

## System action

Any references to the module are not resolved. The output load module cannot be processed unless the LET option has been specified.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the library or module name on the DD, INCLUDE, or LIBRARY control statement.

## Source

DFSMSdfp

## Module

HEWLFINC

## Routing code

Note 11

## Descriptor code

-

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**IEW0354**

**ERROR - TABLE OVERFLOW - TOO MANY CALLS BETWEEN CONTROL SECTIONS.**

## Explanation

There are too many V-type address constants referring to external symbols in a program that is structured in overlay. The table recording these V-type address constants has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor.

## System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. If the table has reached its design limit, then either (1) reduce the number of V-type address constants by combining control sections; or (2) change V-type address constants that do not refer across segments to A-type address constants with EXTRN statements. If the table has reached the maximum number of entries set by the linkage editor, reset the linkage editor's table space by doing one or both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
- Increase the region size if necessary.

## Source

DFSMSdfp

## Module

HEWLFRAT

## Routing code

Note 11

## Descriptor code

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**IEW0364**

**ERROR - TABLE OVERFLOW - INPUT TEXT EXCEEDED MAXIMUM OR  
TOO MANY CHANGES OF ORIGIN IN INPUT.**

## Explanation

This message appears when one of three conditions has occurred.

1. The text of a single control section exceeds 512 times the block size for the SYSUT1 or SYSLMOD data set.
2. Either the text I/O table or the text note list table has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor. (The linkage editor uses these tables to account for the text of a load module.)
3. The load module created by this link edit step exceeds the design limit of 16 megabytes.

## System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Depending on which condition caused the overflow, perform one of the following sets of responses.

For case 1, complete these steps:

1. Verify that all input object modules have ESD records;
2. Increase the linkage editor's buffer space by doing one or both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
  - Increase the region size if necessary.
3. Place output and SYSUT1 data on a device with the largest available track size, and ensure that value2 of the SIZE parameter is at least two times larger than the track size of the output or SYSUT1 dataset.

For case 2, if the table has reached its design limit, complete these steps:

1. Increase value2 of the SIZE parameter as much as possible, and increase value1 by the same amount. Increase the region or partition size if necessary.
2. Reduce the number of ORG statements specified in assembler language routines;
3. Break down the link edit step into a number of link edit steps, with each step performing only part of the necessary function;
4. Sort object module text in ascending address sequence.

Otherwise, if the table has reached the maximum number of entries set by the linkage editor, reset the linkage editor's table space by increasing value1 (or decreasing value2) of the SIZE parameter, also increasing the region or partition size if necessary.

For case 3, break down the link edit step into a number of link edit steps, with each step performing only part of the necessary function.

## Source

DFSMSdfp

## Module

HEWLFRAT, HEWLFOUT, HEWLFADA

## Routing code

Note 11

## Descriptor code

-

**IEW0374**

**ERROR - TABLE OVERFLOW - INPUT CONTAINS TOO MANY  
RELOCATABLE ADDRESS CONSTANTS OR TOO MANY CONTROL  
SECTIONS CONTAINING SUCH CONSTANTS.**

## Explanation

The table that records relocatable address constants has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor.

## System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. If the table has reached its design limit, reset the linkage editor's table space by doing one or both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
- Increase the region size if necessary.

If the table has reached the maximum number of entries set by the linkage editor, reduce the number of relocatable address constants, possibly by combining two or more control sections into one.

## Source

DFSMSdfp

## Module

HEWLFRAT

## Routing code

Note 11

## Descriptor code

-

---

**IEW0382****ERROR - TEXT RECORD ID IS INVALID, CARD IGNORED.**

## Explanation

The ID of the text record refers to an incorrect external symbol dictionary entry; that is, it does not refer to a section definition entry or a private code entry. The input deck may be out of sequence or incomplete.

## System action

The record is ignored. Processing continues.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check the input object modules for completeness and proper sequence. If necessary, either (1) recreate any module that has been in card form, or (2) isolate the incorrect module by running the linkage editor with the NCAL option specified, using the NAME control statement for each input module. Diagnostic IEW0382 should recur and isolate the incorrect module. Recreate the module, and rerun the step.

## Source

DFSMSdfp

## Module

HEWLFRAT, HEWLFADA

## Routing code

Note 11

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEW0394</b> | <b>ERROR - MEMBER NOT STORED IN LIBRARY - PERMANENT DEVICE ERROR.</b> |
|----------------|---|

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## Explanation

This is either an input/output error or no space was allocated for the library directory.

## System action

Processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Check the SYSLMOD data set to make sure it is a partitioned data set with space allocated for a directory. If necessary, restore the library to a different volume, and rerun the job. Run the IEHLIST utility program, using the LISTVTOC function to print out the data set control block for the SYSLMOD data set.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEW0404</b> | <b>ERROR - MEMBER NOT STORED IN LIBRARY - NO SPACE LEFT IN DIRECTORY.</b> |
|----------------|---|

---

## Explanation

All the directory blocks allocated when the output data set was created have been used.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.



## Programmer response

Probable user error. Either (1) reprocess, placing the output module in a new library; when the original library is used as input, concatenate the new one with it; or (2) use a utility program to copy the library, allowing for more directory entries. Edit the member into the new library. Run the IEHLIST utility program, using the LISTVTOC and LISTPDS statements to print out the data set control block and directory entries for the SYSLMOD data set.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

**IEW0412**

**ERROR - ALIAS NOT STORED IN LIBRARY - NO SPACE LEFT IN  
DIRECTORY.**

## Explanation

All directory blocks allocated when the output data set was created have been used.

## System action

The ALIAS is not stored in the specified library; however, the member can be referred to by the member name.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) reprocess, placing the output module in a new library; when the original library is used as input, concatenate the new one with it, or (2) use a utility program to copy the entire library (except the member whose alias was not stored), and allow for more directory entries. Edit the member into the new library. Run the IEHLIST utility program, using the LISTVTOC and LISTPDS statements to print out the data set control block and directory entries for the SYSLMOD data set.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

**IEW0421**

**WARNING - MEMBER NOT STORED IN LIBRARY - IDENTICAL NAME IN DIRECTORY, WILL TRY TO STORE UNDER 'TEMPNAME'.**

## Explanation

The output module name has been used previously in the library. The replace function is not specified.

## System action

An attempt is made to store the output module into the library under the name TEMPNAME.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) reprocess, using a different name in the SYSLMOD DD statement or NAME statement; or (2) reprocess, and specify the replacement function for the name originally specified in the SYSLMOD DD statement or the NAME statement. Run the IEHLIST utility program, using the LISTPDS statement to print out the directory entries for the SYSLMOD data set.

## Source

DFSMSdfp

## Routing code

Note 11

## Descriptor code

-

**IEW0432**

**ERROR - LIBRARY NAME PRINTED CANNOT BE OPENED, DD CARD MAY BE MISSING.**

## Explanation

The DD statement that defines the library is probably missing. This message also results when a sequential data set (encountered in the processing of an INCLUDE statement) cannot be opened.

## System action

Processing continues without input from the specified library.

## Operator response

Start a generalized trace facility (GTF) trace, and recreate the problem. Reply to message AHL100A with:

```
TRACE=SYS,USR,SLIP
```

On the DD statement for the data set in error, specify:

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Either supply the missing DD statement, or correct erroneous information on the DD statement. Run the IEHLIST utility program using the LISTVTOC statement to print out the data set control block for the data set that cannot be opened.

**Source**

DFSMSdfp

**Routing code**

Note 11

**Descriptor code**

-

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**IEW0444**


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**ERROR - TABLE OVERFLOW - TOO MANY DOWNWARD CALLS.**
**Explanation**

There are too many V-type address constants that refer to segments lower in the tree structure. Therefore, the entry list table that records downward calls has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor.

**System action**

Processing ends.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. If the table has reached its design limit, reduce the number of segments in the overlay structure. If the table has reached the maximum number of entries set by the linkage editor, reset the linkage editor's table size by doing one of both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter
- Increase the region size if necessary.

**Source**

DFSMSdfp

## Module

HEWLFREL

## Routing code

Note 11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEW0454</b> | <b>ERROR - TABLE OVERFLOW - SEGMENT CONTAINS TOO MANY<br/>DOWNWARD CALLS.</b> |
|----------------|---|

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## Explanation

The indicated segment in the overlay structure contains too many V-type address constants that refer to segments lower in the tree structure. The maximum number of downward calls is equal to one subtracted from the result of the SYSLMOD record size divided by 12.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) increase the size of an output load module record by specifying SYSLMOD as a library with a larger block size, or (2) incorporate some of the called control sections in the requesting segment, or (3) divide the requesting segment into two or more segments.

## Source

DFSMSdfp

## Module

HEWLFADA

## Routing code

Note 11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEW0461</b> | <b>WARNING - SYMBOL PRINTED IS AN UNRESOLVED EXTERNAL<br/>REFERENCE; NCAL WAS SPECIFIED, OR THE REFERENCE WAS<br/>MARKED FOR RESTRICTED NO-CALL OR NEVERCALL.</b> |
|----------------|---|

---

## Explanation

The NCAL option, restricted no-call, or never-call function was specified for the external reference.

## System action

The automatic library call mechanism does not attempt to resolve the external reference.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Normally, no response is necessary. Check that the reference is valid and not the result of a keypunch or programming error. If you wish the reference resolved, either (1) add the needed module to the primary or included input data sets; (2) remove the NCAL option, if specified; (3) remove the LIBRARY statement specifying restricted no-call or never-call; or (4) if an input load module contained a never-call reference, recreate the load module without specifying never-call.

## Source

DFSMSdfp

## Module

HEWLFADA

## Routing code

Note 11

## Descriptor code

-

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**IEW0472****ERROR - INVALID ALIAS ENTRY POINT IN OVERLAY STRUCTURE.**

## Explanation

The specified alias entry point is not in the root segment.

## System action

The entry point for the member name is used.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Have the module containing the alias entry point and its associated listing available.

## Programmer response

Probable user error. Respecify the alias, entry point, or overlay structure.

**Source**

DFSMSdfp

**Module**

HEWLFENT

**Routing code**

Note 11

**Descriptor code**

-

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**IEW0484**

**ERROR - TABLE OVERFLOW - TOO MANY EXTERNAL SYMBOLS  
AFFECTED BY RELOCATION.**

**Explanation**

There are too many symbols being relocated. Therefore, the delink table used during linkage editor relocation has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor.

**System action**

Processing ends.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. If the table has reached its design limit, break down the link edit step into a number of link edit steps, with each step performing only part of the necessary function. If the table has reached the maximum number of entries set by the linkage editor, reset the linkage editor's table space by doing one or both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
- Increase the region size if necessary.

**Source**

DFSMSdfp

**Module**

HEWLFINP

**Routing code**

Note 11

## Descriptor code

-

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**IEW0492****ERROR - NAME CARD FOUND IN LIBRARY, CARD IGNORED.**

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## Explanation

A NAME statement has been encountered in an included data set or an automatic call library. NAME statements may be placed only in the primary input.

## System action

The record is ignored. Processing continues.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Remove the NAME statement from the library or sequential data set. Reprocess if the load module is incorrect. Run the IEBTPCH utility program or print out all included and automatic call library modules.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

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**IEW0502****ERROR - ALIAS NOT STORED IN LIBRARY - PERMANENT DEVICE ERROR.**

---

## Explanation

Because of an input/output error, the alias could not be stored in the library directory.

## System action

The load module has already been stored.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem. Have the output from a run with the library on a different volume available.

## Programmer response

Processing of the module is possible using the member name or aliases already stored. The module can be link edited again with the new alias specified. If message IEW0502 appears again, restore the library to a different volume and rerun the job. Run the IEHLIST utility program, using the LISTVTOC and LISTPDS statements to print out the data set control block and directory entries for the SYSLMOD data set.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

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**IEW0512**

**ERROR - INCLUDE STATEMENT SYNTAX CONFLICTS WITH RECORD  
FORMAT OF SPECIFIED DATA SET - DD NAME PRINTED.**

## Explanation

The INCLUDE statement syntax conflicts with the characteristics of the data set specified on the DD statement.

## System action

The specified module is ignored.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) specify a member name on the INCLUDE or DD statement if the data set is partitioned; or (2) remove all member names from the INCLUDE statement if the data set is not partitioned. Run the IEHLIST utility program, using the LISTVTOC statement to print out the data set control block for the specified data set.

## Source

DFSMSdfp

## Module

HEWLFINC

## Routing code

Note 11



## Descriptor code

-

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**IEW0522**

**ERROR - SPECIFIED DATA SET HAS UNACCEPTABLE RECORD FORMAT -  
DDNAME PRINTED.**

## Explanation

The record format of the specified data set is not type U or F and cannot be processed by the linkage editor.

## System action

The data set is not processed.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Correct the data set specification. Run the IEHLIST utility program, using the LISTVTOC statement to print out the data set control block for the rejected data set.

## Source

DFSMSdfp

## Module

HEWLFINC

## Routing code

Note 11

## Descriptor code

-

---

**IEW0532**

**ERROR - BLOCKSIZE OF LIBRARY DATA SET EXCEEDED MAXIMUM -  
DDNAME PRINTED.**

## Explanation

The block size of the specified library data set cannot be handled by the linkage editor. This message is also issued if unlike libraries are concatenated on the SYSLIB DD statement.

## System action

The data set is not processed.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) decrease the block size of the data set, (2) rerun in a larger region or partition, (3) increase value2 of the SIZE parameter to allow for larger buffers, and, if necessary, increase value1 and region size accordingly.

## Source

DFSMSdfp

## Module

HEWLFINC

## Routing code

Note 11

## Descriptor code

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**IEW0543**

**ERROR - IDENTICAL NAME IN DIRECTORY.**

## Explanation

The member name already exists in the directory. In the case of a member, an attempt was made to store under TEMPNAME; however, TEMPNAME was also found in the directory.

## System action

The output module is not stored under this member name.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) specify a unique member name for the module on the NAME control statement or the SYSLMOD DD statement, or (2) specify the replace function on the NAME statement. Run the IEHLIST utility program, using the LISTPDS statement to print out the directory entries for the SYSLMOD data set.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

**IEW0552**

**ERROR - COMMON PRINTED EXCEEDED SIZE OF CONTROL SECTION  
WITH IDENTICAL NAME.**

## Explanation

A named COMMON area has been encountered that is larger than a control section with the same name.

## System action

The linkage editor uses the length specified for the control section. Processing continues.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Ensure that no named COMMON area is larger than the control section initializing it. FORTRAN programmers should make sure that any named COMMON in a BLOCK DATA subprogram is at least as large as any named COMMON with the same name in any other FORTRAN program or subprogram with which the BLOCK DATA subprogram is to be link edited. To isolate the problem, you can run the step with the NCAL option specified. If the error recurs, the long COMMON occurs in the primary data set or in an included data set. Otherwise, it occurs in a module from the automatic call library. In either case, run the following functions of the service aid program AMBLIST. Run the LISTOBJ function to list all object module symbols, and run the LISTLOAD function with the OUTPUT=XREF option to list all load module symbols in the appropriate input data sets. Check the listings for all modules that contain the named COMMON in question, and correct the lengths.

## Source

DFSMSdfp

## Module

HEWLFESD

## Routing code

Note 11

## Descriptor code

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**IEW0564**

**ERROR - INVALID TEXT ORIGIN - LINKAGE EDITOR PROCESSING  
TERMINATED.**

## Explanation

Text has been found that has an origin address outside the limits of the control section to which it belongs.

## System action

Processing is ended.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and the linkage editor output.

## Programmer response

A text record in an object module input to the link edit has an incorrect text origin address, probably mispunched. List the object module using the LISTOBJ function of the AMBLIST service aid program.

Examine the ADDR= field of the TXT records to locate the incorrect address. Recreate the object module, then attempt the link edit again.

## Source

DFSMSdfp

## Module

HEWLFSCD

## Routing code

Note 11

## Descriptor code

-

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IEW0572

**ERROR - COMMON PRINTED AND SUBROUTINE HAVE IDENTICAL NAME.**

## Explanation

This message appears only when the linkage editor is processing an object program originally written in FORTRAN. It is issued when a COMMON defined in the program has the same name as a subprogram.

## System action

Processing continues. The output module cannot be processed unless the LET option is specified.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem. Save the linkage editor output listing.

## User response

Change the name of either the COMMON or the subprogram so that the names are no longer the same. Compile and link edit the program again.

## Source

DFSMSdfp

## Module

HEWLFESD

## Routing code

Note 11

## Descriptor code

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|                |  |
|----------------|--|
| <b>IEW0581</b> | <b>WARNING - INVALID MEMBER NAME - WILL TRY TO STORE UNDER 'TEMPNAME'.</b> |
|----------------|--|

---

## Explanation

The member name to be assigned to the output load module was taken from the SYSLMOD DD statement, but the name was found to be incorrect.

## System action

An attempt is made to store the output module into the library under the name TEMPNAME.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and the linkage editor output.

## Programmer response

Correct the member name on the SYSLMOD DD statement to conform to the rules for a name on the NAME control statement.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

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|                |   |
|----------------|---|
| <b>IEW0594</b> | <b>ERROR - INPUT DATA SET BLOCKSIZE IS INVALID.</b> |
|----------------|---|

---

## Explanation

The block size for the primary input data (SYSLIN) is not an even multiple of the logical record length, or exceeds the allowable maximum.

## System action

Linkage editor processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Determine whether the values specified in the SIZE parameter are sufficient to accommodate the blocking factor of the primary input data set (SYSLIN). Blocking factors are discussed under SIZE Option in *z/OS MVS Program Management: User's Guide and Reference*. If the SIZE values are not large enough, increase them and run the linkage editor step again. The region for the job step must be large enough to allow the size values specified, as described under EXEC Statement - REGION Parameter in *z/OS MVS Program Management: User's Guide and Reference*. If the region is not large enough, increase the REGION parameter before running the linkage editor step again.

If the blocking factor is greater than 40 to 1, or is not a multiple of the logical record length, correct the BLKSIZE field, or recreate the data set, or both. Run the linkage editor step again. If possible, run the IEHLIST utility program, using the LISTVTOC statement to print out the data set control block for the specified data set.

## Source

DFSMSdfp

## Module

HEWLFINP, HEWLFINP

## Routing code

Note 11

## Descriptor code

-

---

**IEW0602**

**ERROR - INPUT FROM OBJECT MODULE IS INVALID - END CARD MISSING.**

## Explanation

The END card of an object module being processed by the linkage editor is missing.

## System action

Linkage editor processing continues. The load module produced cannot be processed unless the LET option has been specified.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the source input, the source program listing for the job, and all printed output and output data sets related to the problem.

## Programmer response

If input to the linkage editor was in the form of an object deck, verify that the last card is an END card (END in columns 2, 3, and 4). If the card is not an END card, recompile or reassemble the source program. If input to the linkage editor was not in the form of an object deck, recompile or reassemble the source program with the DECK option specified.

In either case, verify that the last card is an END card. Rerun the linkage editor step using the object deck. Run the service aid program, AMBLIST, using the LISTOBJ function and save the resultant listing of the questionable object module.

## Source

DFSMSdfp

## Module

HEWLFINP

## Routing code

Note 11

## Descriptor code

-

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**IEW0614**

**ERROR - LENGTH NOT SPECIFIED FOR EXTERNAL SYMBOL PRINTED.**

## Explanation

An object module contained a control section that had a length field containing zero in its external symbol dictionary (ESD) entry, and either (1) the control section was not last in the object module, or (2) the length was not specified on the END card.

## System action

The module was not processed, and the linkage editor ended processing.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the source input, the source program listing for the job, and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check the input object modules for completeness and proper sequence. If necessary, either (1) recreate any module that has been in card form, or (2) isolate the incorrect module by running the linkage editor with the NCAL option specified, using the NAME control statement for each input object module. Diagnostic IEW0614 should recur and isolate the incorrect module. Recreate the module, and rerun the step.

## Source

DFSMSdfp

## Module

HEWLFRAT

## Routing code

Note 11

## Descriptor code

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|                |  |
|----------------|--|
| <b>IEW0622</b> | <b>ERROR - ADDRESS CONSTANT REFERENCES NULL UNNAMED CONTROL SECTION.</b> |
|----------------|--|

## Explanation

An address constant has been found that references a symbol defined in an unnamed control section having a length of zero.

## System action

The processing of the input RLD record is ended at the incorrect item. Processing resumes with the next record.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the source program listing for the job, and the linkage editor output.

## Programmer response

Either recreate the input (referencing) module, by eliminating or changing the reference, or recreate the referenced module, by eliminating or redefining the symbol being referenced.

## Source

DFSMSdfp

## Module

HEWLFRAT

## Routing code

Note 11

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEW0630</b> | <b>ERROR - DDNAME PRINTED HAD SYNCHRONOUS ERROR - XREF ABORTED.</b> |
|----------------|---|

## Explanation

A permanent input/output error occurred while attempting to produce a cross-reference table. The output module was successfully edited.



## System action

The information provided by the SYNADAF macro instruction was printed after the message code in the following format: SYNAD EXIT, jobname, stepname, unit address, device type, ddname, operation attempted, error description, block count or BBCCHHR, access method.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem. Save the output from the SYNADAF macro instruction.

## Programmer response

Rerun the linkage editor step. If possible, run the IEHLIST utility program, using the LISTVTOC function to print out the data set control block for the data set specified in the SYNAD output.

## Source

DFSMSdfp

## Module

HEWLFROU

## Routing code

Note 11

## Descriptor code

-

---

**IEW0642**

**ERROR - SYMBOL PRINTED APPEARED ON CONTROL STATEMENT BUT WAS NOT MATCHED.**

## Explanation

Either (1) a control section name or common name appearing on an ORDER or PAGE control statement was not found in the primary or additional input sources; or (2) alignment or sequencing of a label reference (such as a FORTRAN ENTRY statement) was specified.

## System action

The name is ignored. Processing continues.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) include the specified control section or common area in the input, or delete the name from the control statement; or (2) verify that only control section or common area names are specified on the control statement.

Have available the job stream and associated output listings.

**Source**

DFSMSdfp

**Module**

HEWLFADA

**Routing code**

Note 11

**Descriptor code**

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**IEW0652****ERROR - CONFLICT IN ORDER SPECIFIED FOR SYMBOL PRINTED.****Explanation**

A control section or common area was named more than once on one or in a series of ORDER statements. After a name appears once, any subsequent use of the name is incorrect unless the name appears as the last operand on one ORDER statement and as the first operand on the next.

**System action**

The first use of the name determines the order of the control section or common area in the output load module. Any subsequent use of the name is ignored, as is the balance of the control statement it appears on. Any control sections or common areas named on the balance of the statement are included in the output load module but are not sequenced. Linkage editor processing continues.

**System programmer response**

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. Correct the ORDER statement so the name appears only once or appears as the last operand on one statement and the first operand on the next.

**Source**

DFSMSdfp

**Module**

HEWLFSCN

**Routing code**

Note 11

**Descriptor code**

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---

**IEW0664****ERROR - SIZE VALUE SPECIFIED NOT LARGE ENOUGH FOR TABLE REQUIREMENTS - LINKAGE EDITOR PROCESSING TERMINATED.****Explanation**

The space available for minimum internal tables was insufficient.

**System action**

Linkage editor processing ends.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Rerun the linkedit, increasing the space available to the linkage editor by doing one or both of the following:

- Increase VALUE1 (or decrease VALUE2) of the SIZE parameter (if SIZE is specified in the JCL)
- Increase the region size if necessary.

**Source**

DFSMSdfp

**Module**

HEWLFROU

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW0670****THE SPECIFIED IDENTIFY DATA HAS BEEN ADDED TO THE IDR FOR THE CONTROL SECTION NAME PRINTED.****Explanation**

The linkage editor has added the data specified on the IDENTIFY control statement to the IDR record for the control section indicated.

**System action**

Processing continues.

**Source**

DFSMSdfp

**Module**

HEWLFIDR

## Routing code

Note 11

## Descriptor code

-

---

**IEW0682**

**ERROR - CONTROL SECTION NAME ON AN IDENTIFY CONTROL STATEMENT IS INCORRECT OR THE STATEMENT IS MISPLACED - IDENTIFY DATA IGNORED.**

## Explanation

The control section named on the IDENTIFY control statement either (1) does not exist in the load module, or (2) had not been read in by the linkage editor by the time it encountered the IDENTIFY statement.

## System action

The data specified on the IDENTIFY statement is ignored. Linkage editor processing continues.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check the IDENTIFY statement to verify that the control section name has been specified correctly and that the IDENTIFY statement has been placed correctly in the input. Verify that the required control section has been included in the input to the linkage editor step. Correct the input, and rerun the linkage editor step.

## Source

DFSMSdfp

## Module

HEWLFIDR

## Routing code

Note 11

## Descriptor code

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**IEW0694**

**ERROR - TABLE OVERFLOW - SIZE VALUE SPECIFIED NOT LARGE ENOUGH FOR CSECT IDR INPUT - LINKAGE EDITOR PROCESSING TERMINATED.**

## Explanation

The space available for CSECT identification records was insufficient for the actual input. The indicated table (the user data table, zap data table, or translator table) has overflowed for one of two reasons: the table has reached its design limit of 32768 entries, or has reached the maximum number of entries set by the linkage editor.

## System action

Linkage editor processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. If the table has reached its design limit, break down the link edit step into a number of smaller link edit steps, with each step performing only part of the necessary function. If the table has reached the maximum number of entries set by the linkage editor, reset the linkage editor's table space by doing one or both of the following:

- Increase value1 (or decrease value2) of the SIZE parameter (if SIZE is specified in the JCL)
- Increase the region size if necessary.

## Source

DFSMSdfp

## Module

HEWLFIDR

## Routing code

Note11

## Descriptor code

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**IEW0704**

**UNRECOVERABLE ERROR DETECTED IN CSECT IDR INPUT - LINKAGE  
EDITOR PROCESSING TERMINATED.**

## Explanation

An unrecoverable error was detected while processing an input module containing CSECT identification (IDR) records. The cause of the error was a load module IDR record that contained an incorrect code in its subtype field (the third byte of the record).

## System action

Linkage editor processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Examine all data sets containing input load modules. Check all secondary input sources (either defined by the SYSLIB DD statement or specified on an INCLUDE statement). If any user modifications were made to any record other than text in any of these modules, recreate any affected modules from the source

or object level and run the linkage editor step again. Run the LISTLOAD function of the service aid program, AMBLIST, specifying the OUTPUT=BOTH option to list all load modules in the input to the linkage editor. Run the service aid program, AMBLIST, with the LISTIDR function to list CSECT IDR records for all members of the SYS1.LINKLIB data set that was cataloged on the system at the time of the error.

### Source

DFSMSdfp

### Module

HEWLFIDR

### Routing code

Note 11

### Descriptor code

-

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**IEW0714**

**ERROR - MEMBER NOT STORED IN LIBRARY - STOW WORKSPACE  
UNAVAILABLE.**

### Explanation

The conditional GETMAIN macro instruction issued by the STOW routine to obtain work space in virtual storage was unsuccessful (that is, not enough contiguous virtual storage was available).

### System action

The member is not stored in the specified library; linkage editor processing is ended.

### System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

### Programmer response

Rerun the linkage editor job step. The error may be a temporary one caused by fragmentation of virtual storage. If the problem persists, check for user-written programs or user-written SVC (supervisor call) routines that may be processing concurrently with the linkage editor and causing virtual storage fragmentation, as would occur when a GETMAIN macro is issued without a FREEMAIN in an uncontrolled loop.

### Source

DFSMSdfp

### Module

HEWLFFNL

### Routing code

Note 11

## Descriptor code

-

---

**IEW0722****ERROR - INVALID ALIAS NAME.**

## Explanation

An ALIAS name has been specified that either does not begin with an alphabetic character, \$, #, @, or 12-0 punch, or contains a character that is not alphameric, \$, #, @, or 12-0 punch.

## System action

The ALIAS name is ignored.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the control statements for the job, and the linkage editor output.

## Programmer response

Correct the incorrect character(s) in the ALIAS name according to the rules, and rerun the link edit job step.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

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---

**IEW0731****WARNING - ALIAS MATCHES MEMBER NAME - ALIAS IGNORED.**

## Explanation

An ALIAS name has been specified that duplicates the member name of the output load module.

## System action

The ALIAS name is ignored.

## Programmer response

Either (1) delete the ALIAS name, or (2) make the ALIAS name unique.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

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|                |  |
|----------------|--|
| <b>IEW0740</b> | <b>THE INDICATED ACTION WAS TAKEN FOR AN EXPAND REQUEST.</b> |
|----------------|--|

## Explanation

The linkage editor has increased the size of a control section or named common section by the number of bytes specified in an EXPAND control statement. Details of the expansion are provided in the message text that appears immediately following the EXPAND control statement.

## System action

Processing continues. This message is for information only; no error has occurred and no response is required.

## Source

DFSMSdfp

## Module

HEWLFSCN

## Routing code

Note 11

## Descriptor code

-

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|                |   |
|----------------|---|
| <b>IEW0751</b> | <b>WARNING - INVALID AMODE/RMODE COMBINATION FOUND IN MODE CONTROL STATEMENT - IGNORED.</b> |
|----------------|---|

## Explanation

An incorrect combination of AMODE and RMODE parameters was specified on the MODE control statement.

## System action

Processing continues but the MODE control statement is ignored as a source of AMODE/RMODE data applicable to the output load module.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the program listing, the control statements for the job, the linkage editor output, the SYSOUT output, and all printed output and output data sets related to the problem.



## Programmer response

Either (1) remove the MODE control statement, or (2) correct the MODE control statement so that the combination of AMODE/RMODE specifications is valid.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

**IEW0761**

**WARNING - INVALID AMODE/RMODE COMBINATION FOUND IN PARM FIELD - IGNORED.**

## Explanation

An incorrect combination of AMODE and RMODE parameters was specified in the PARM field of the EXEC statement.

## System action

Processing continues, but the PARM field of the EXEC statement is ignored as a source of AMODE/RMODE data applicable to the output load module.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) remove the AMODE and RMODE specification(s) from the PARM field, or (2) correct the PARM field so that the combination of AMODE/RMODE specifications is valid.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

**IEW0771**

**WARNING - AMODE/RMODE DATA IN MODE CONTROL STATEMENT  
INCOMPATIBLE WITH OVLY OPTION - IGNORED.**

## Explanation

The AMODE and/or RMODE parameters specified on the MODE control statement are incompatible with the overlay option.

## System action

Processing continues, but the MODE control statement is ignored. The overlay load module is assigned an AMODE of 24 and an RMODE of 24.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the control statements for the job, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) remove the mode control statement, or (2) remove the OVLY option from the PARM field of the EXEC statement.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

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**IEW0781**

**WARNING - AMODE/RMODE DATA IN PARM FIELD INCOMPATIBLE  
WITH OVLY OPTION - IGNORED.**

## Explanation

The AMODE and/or RMODE parameters specified in the PARM field of the EXEC statement are incompatible with the overlay option.

## System action

Processing continues, but the AMODE and/or RMODE data in the PARM field of the EXEC statement is ignored. The overlay load module is assigned an AMODE of 24 and an RMODE of 24.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) remove the AMODE and/or RMODE options from the PARM field of the EXEC statement, or (2) remove the OVLY option from the PARM field of the EXEC statement.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

IEW0791

**WARNING - INVALID AMODE/RMODE COMBINATION IN ESD DATA FOR THE NAMED CSECT - IGNORED.**

## Explanation

An incorrect AMODE/RMODE combination, 24/ANY, was found in the ESD data.

## System action

Processing continues, but the control section is processed as having an AMODE of 24 and an RMODE of 24.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) correct the ESD data to indicate a valid AMODE/RMODE combination, or (2) recompile/reassemble the source program to obtain an object module without the erroneous AMODE/RMODE indicators, or (3) correct the processor generating the object module to provide only valid AMODE/RMODE indicators.

## Source

DFSMSdfp

## Module

HEWLFESD

## Routing code

Note 11

## Descriptor code

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|                |  |
|----------------|--|
| <b>IEW0801</b> | <b>WARNING - TABLE OVERFLOW - TOO MANY EXTERNAL SYMBOLS - MAP<br/>- XREF ABORTED</b> |
|----------------|--|

## Explanation

There are too many external symbols for the module **MAP**.

## System action

Processing continues without **MAP** or **XREF**.

## Programmer response

Increase Value 2 of the SIZE parameter to allow for larger buffers. If necessary, increase the Value 1 and region size accordingly.

## Source

DFSMSdfp

## Module

HEWLFFNL

## Routing code

Note 11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEW0813</b> | <b>ERROR - OUTPUT MODULE CONTAINS SPLIT RELOCATABLE ADDRESS<br/>CONSTANT, SIZE VALUE 2 SPECIFIED NOT LARGE ENOUGH, CONSTANT<br/>HAS NOT BEEN RELOCATED.</b> |
|----------------|---|

## Explanation

When a split relocatable address constant requires processing, the maximum syslmod record length must be equal to or less than half the load module text buffer size. The maximum syslmod record size is larger than half the text buffer size.

## System action

The system does not relocate the split relocatable address constant, and cannot process the load module.

## Programmer response

Increase VALUE 2 of the size parameter. The output load module will be marked non-executable and must be linkedited again before it will be usable as input to the linkage editor.

**Source**

DFSMSdfp

**Module**

HEWLFREL

**Routing code**

Note 11

**Descriptor code**

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**IEW0824****ERROR - DDNAME PRINTED HAD BLDL ERROR.****Explanation**

The BLDL macro gave a return code other than 0 or 4, indicating a permanent I/O error of insufficient virtual storage to search a directory.

**System action**

Linkage editor processing ends.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

Probable user error. Ensure that the ddname-defined data set is partitioned and the SIZE value is large enough. If both are true, recreate or restore the data set and rerun the job step. If it is not, correct the error.

**Source**

DFSMSdfp

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW0832****ERROR - INPUT CONTAINS ESD TYPE INCOMPATIBLE WITH SCTR  
OPTION - ESD TYPE PRINTED.****Explanation**

SCTR option was specified, and one of the following was used as link-edit input:

- a nonzero-length unnamed control section
- a common area

### System action

The system cannot process the module unless LET is specified. Processing continues.

### Programmer response

Correct the incompatibility by removing either the SCTR option or the indicated incorrect input.

### Source

DFSMSdfp

### Routing code

Note 11

### Descriptor code

-

---

**IEW0844**

**ERROR - OUTPUT LOAD LIBRARY SPECIFIED IS A PDSE. ONLY PDS  
LIBRARIES ARE SUPPORTED.**

### Explanation

The Linkage Editor does not support PDSE libraries.

### System action

Link fails and processing ends. Output library is not updated.

### System programmer response

None.

### Programmer response

Rerun the link using a PDS library for output in place of the PDSE library. If PDSE output is desired, then the DFMS/MVS binder must be used to link.

### Source

DFSMSdfp

---

**IEW0984**

**ERROR - SYSPRINT BLOCKSIZE EXCEEDS MAXIMUM - LINKEDIT  
PROCESSING TERMINATED.**

### Explanation

The block size specified for the SYSPRINT data set cannot be handled by the linkage editor.

### System action

The data set is not opened. Linkage editor processing ends.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Either (1) decrease the block size of the data set, or (2) decrease value2 of the SIZE option (if SIZE is specified in the JCL) to allow for a larger SYSPRINT buffer, and if necessary, increase value1 accordingly. Increase the region or partition size correspondingly, if necessary. Rerun the linkage editor step. Run the IEHLIST utility program, using the LISTVTOC statement to print out the data set control block for the SYSPRINT data set.

## Source

DFSMSdfp

## Module

HEWLFINTE

## Routing code

11

## Descriptor code

-

---

IEW0994

**ERROR - SYSPRINT DD CARD MISSING - LINKAGE EDITOR  
PROCESSING TERMINATED.**

## Explanation

The SYSPRINT data set cannot be opened.

## System action

Linkage editor processing ends.

## Operator response

Start a generalized trace facility (GTF) trace, and recreate the problem. Reply to message AHL100A with:

```
TRACE=SYS,USR,SLIP
```

On the DD statement for the data set in error, specify:

```
DCB=DIAGNS=TRACE
```

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

Probable user error. The SYSPRINT DD statement is probably missing. Supply the missing SYSPRINT DD statement, and run the job step again.

**Source**

DFSMSdfp

**Module**

HEWLFIN1

**Routing code**

11

**Descriptor code**

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## Chapter 11. IEW messages (IEW1001 - IEW1999)

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**IEW1001**

**WARNING - UNRESOLVED EXTERNAL REFERENCE (NOCALL SPECIFIED).**

### Explanation

The NCAL, NOCALL, or NORES option or never-call function was specified for the external reference.

### System action

The SYSLIB data set is not searched if the NCAL or NOCALL option has been specified. The link pack area queue is not searched if the NORES option has been specified. Neither the SYSLIB data set nor the link pack area queue is searched if the ER is marked 'never-call' from a previous linkage editor run.

### System programmer response

Run the failing step, using the linkage editor instead of loader, and save the resulting output. Have available each object module that contains a call to the reference.

### Programmer response

Normally, no response is necessary. If you wish the reference resolved, either (1) add the needed module to the SYSLIN input data set; (2) remove the NOCALL, NCAL, or NORES option, if specified; or (3) if an input load module contained a never-call reference, recreate the load module without specifying never-call.

### Source

DFSMSDfp

### Module

HEWLLIBR

### Routing code

Note 11

### Descriptor code

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**IEW1012**

**ERROR - UNRESOLVED EXTERNAL REFERENCE.**

### Explanation

The external reference was not found on the SYSLIB-defined data set or in the link pack area.

### System action

No attempt is made to run the module unless the LET option is specified.

### System programmer response

Run the failing job step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

Probable user error. Make sure that the reference is valid and not the result of a keypunch or programming error. If the reference is valid, add the needed module or alias to either (1) the SYSLIB data set, (2) the link pack area, or (3) the SYSLIN input data set. Make sure the SYSLIB DD statement has been specified if needed. If the needed module is in a SYSLIB or SYSLIN partitioned data set, run the IEHLIST utility program using the LISTPDS statement to print out the data set directory.

## Source

DFSMSdfp

## Module

HEWLLIBR

## Routing code

Note 11

## Descriptor code

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**IEW1024**

**ERROR - DDNAME CANNOT BE OPENED.**

## Explanation

The SYSLIN data set cannot be opened. The DD statement defining the data set is missing or incorrect.

## System action

Processing ends. The loader returns to the caller with a condition code of 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Either have the output of the SYSGEN of the loader available, or run the AMASPZAP service aid program with the DUMPT IEWLOADR IEWLDDDEF statement, and save the resulting dump of the loader default ddnames.

## Programmer response

Probable user error. Either (1) supply a missing SYSLIN DD statement, (2) correct erroneous information on the SYSLIN DD statement, or (3) make sure the correct DDNAME has been specified for the SYSLIN data set. If the loader was invoked by a macro instruction such as LINK, rather than through the EXEC statement, make sure that the SYSLIN ddname, if passed, is correct.

## Source

DFSMSdfp

## Module

HEWLIOCA

## Routing code

Note 11

## Descriptor code

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**IEW1034****ERROR - DDNAME HAD SYNCHRONOUS ERROR.**

## Explanation

A physical uncorrectable input/output error occurred. If it occurred on a blocked data set, the block size may have been specified incorrectly.

## System action

The message supplied by the SYNADAF macro was printed. Processing was ended.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

For any fixed format, specify the correct block size. If the block size was correct and the data set was an input data set, recreate or restore the data set.

## Source

DFSMSdfp

## Module

HEWLIOCA

## Routing code

11

## Descriptor code

-

---

**IEW1044****ERROR - UNACCEPTABLE RECORD FORMAT (VARIABLE ON INPUT).**

## Explanation

Only object module (FIXED record format) and load module (UNDEFINED record format) data sets are accepted by the loader.

## System action

Processing was ended. The loader returns to caller with a condition code of 16.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

Probable user error. (1) Make sure that the record format specification is correct. The record format may have been mispunched. (2) Make sure that the correct data set has been specified. Run the IEHLIST utility program

using the LISTVTOC statement to print out the data set control block for the input data sets, and save the resulting output.

**Source**

DFSMSdfp

**Module**

HEWLIOCA

**Routing code**

Note 11

**Descriptor code**

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|                |   |
|----------------|---|
| <b>IEW1053</b> | <b>ERROR - I/O ERROR WHILE SEARCHING LIBRARY DIRECTORY.</b> |
|----------------|---|

**Explanation**

A permanent I/O error occurred while attempting a BLDL.

**System action**

Automatic library call processing is ended.

**System programmer response**

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

**Programmer response**

Ensure that the SYSLIB defined data set is partitioned. If it is, recreate or restore the data set and rerun the job step.

**Source**

DFSMSdfp

**Module**

HEWLLIBR

**Routing code**

Note 11

**Descriptor code**

-

---

|                |                                    |
|----------------|------------------------------------|
| <b>IEW1072</b> | <b>ERROR - BLKSIZE IS INVALID.</b> |
|----------------|------------------------------------|

**Explanation**

In the specified data set, the BLKSIZE was not an integral multiple of LRECL.

## System action

BLKSIZE was rounded up to the next higher multiple of LRECL and processing continued.

## System programmer response

If the problem recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Probable user error. Change BLKSIZE to be an integral multiple of LRECL. If the data set was an input data set, run the IEHLIST utility program, using the LISTVTOC statement to print out the data set control block, and save the resulting output.

## Source

DFSMSdfp

## Module

HEWLIOCA

## Routing code

Note 11

## Descriptor code

-

---

**IEW1082**

**ERROR - INVALID LENGTH SPECIFIED.**

## Explanation

The length of a control section in an object module was not specified in either its FSD entry or on the END record, and text was received for the control section.

## System action

The total length of the text received was used.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

Check if an END record in any object module is missing or has been replaced. If so, recreate the object module and rerun the job.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

**IEW1093****ERROR - NO TEXT RECEIVED.**

## Explanation

No valid text has been received for the loaded module.

## System action

The loader returns to the caller with a condition code of 12.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

Probable user error. (1) Make sure that the SYSLIN data was specified correctly. (2) Check other error messages issued for cause of error (for example, incorrect record). Correct the error, and rerun the job step. Run the service aid program, AMBLIST, using the LISTOBJ function and save the resultant listing of the questionable input module. Have all SYSLIN input available.

## Source

DFSMSdfp

## Module

HEWLLIBR

## Routing code

Note 11

## Descriptor code

-

---

**IEW1102****ERROR - DOUBLY DEFINED ESD.**

## Explanation

Two identical external names have been found in the input. (1) The incorrect match involves a label reference (LR) or label definition (LD) matching an existing section definition (SD), common (CM), or label reference (LR). The section definition for the input LR or LD must be marked delete in order for this not to be an error. (2) It is always incorrect for a CM to match an existing LR.

## System action

References to the name are resolved with respect to the first occurrence of the name.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output. Have all object and load module input available.

## Programmer response

Probable user error. Correct the existing symbol conflict. To isolate the problem, run the following functions of the service aid program AMBLIST. Run the LISTOBJ function to list all object module symbols, and run the LISTLOAD function with the OUTPUT=XREF option to list all load module symbols. Object module symbols can be printed using the IEBTPCH utility program with the PRINT statement.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

**IEW1112**

**ERROR - INVALID 2-BYTE ADCON.**

## Explanation

A relocatable A-type or V-type address constant of less than 3 bytes has been found in the input.

## System action

The constant is not relocated.

## System programmer response

Rerun the step, using the linkage editor instead of the loader, and save the resulting output. Have object module input and associated listings available.

## Programmer response

Probable user error. Check assembler language input for Y-type address constants, which cannot be relocated. Delete or correct the incorrect address constant.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

**IEW1123****ERROR - INVALID RECORD FROM LOAD MODULE.**

## Explanation

An unrecognizable type record was found while reading a load module.

## System action

The record is ignored and processing continues.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

1. Check that all input data sets are specified correctly on DD statements.
2. If load module input occurs in the SYSLIN data set, rerun the step with the NOCALL option specified. If error message IEW1123 recurs, the incorrect load module is in SYSLIN input. Otherwise, it is in SYSLIB input.
3. Isolate the incorrect load module by running the linkage editor with the NCAL option specified, using the INCLUDE and NAME statements for each suspect load module. When the incorrect load module is isolated, recreate it and rerun the job step.

## Source

DFSMSdfp

## Module

HEWLLIBR

## Routing code

Note 11

## Descriptor code

-

---

**IEW1132****ERROR - INVALID ID RECEIVED.**

## Explanation

Input contains an incorrect external symbol ID.

This error is the result of the following conditions:

1. The SD for an ID does not appear in the input module.
2. Text is received before the external symbol dictionary (ESD) defining it is received.
3. An RLD is received before the ESDs to which it pertains.
4. The ID defining the entry point on the END card is not a defined SD, PC, or LR ESD type.



## System action

The incorrect item is ignored.

## System programmer response

Run the failing step, using the linkage editor instead of the loader, and save the resulting output. If an incorrect object module was created, have the module and its associated listing available.

## Programmer response

1. Check that input object modules are complete and that assembly or compilation errors did not occur when object modules were generated.
2. Rerun the step with the NOCALL option specified. If error message IEW1132 recurs, the incorrect module is in SYSLIN input. Otherwise, it is in SYSLIB input.
3. Isolate the incorrect module by running the linkage editor with the NCAL option specified, using the INCLUDE and NAME statements for each suspect module. When the incorrect module is isolated, recreate it and rerun the step.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

IEW1141

WARNING - CARD RECEIVED NOT AN OBJECT RECORD.

## Explanation

The card read has a blank in column one.

## System action

The card is ignored.

## System programmer response

Rerun the step, using the linkage editor instead of the loader, and save the resulting output. If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Check input for a blank card or linkage editor control card. If other errors occur, recreate all object modules that have been in card form.

**Source**

DFSMSdfp

**Module**

HEWLRELO

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW1152****ERROR - INVALID RECORD FROM OBJECT MODULE.****Explanation**

An unrecognizable record type was received while reading an object module.

**System action**

The card is ignored.

**System programmer response**

Rerun the step, using the linkage editor instead of the loader, and save the resulting output. Have object module input available.

**Programmer response**

Probable user error. Check object module input for incorrect records. Column 1 should contain a 12-2-9 punch. Columns 2 through 4 should contain a TXT, RLD, ESD, END, or SYM identifier. Remove incorrect records or recreate the module, and rerun.

**Source**

DFSMSdfp

**Module**

HEWLRELO

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW1161****WARNING - NO ENTRY POINT RECEIVED.**

## Explanation

No entry point was specified in the parameter field or END card. The END card entry point specification could be incorrect (that is, incorrect ID, bad column alignment, etc.). The parameter field specification could also be incorrect.

## System action

The first assigned address is used as the entry point.

## System programmer response

Rerun the step, using the linkage editor instead of the loader, and save the resulting output. Have the module containing the entry point and its associated listing available.

## Programmer response

Probable user error. (1) Specify the entry point name in the loader parameter list, EP=. If the entry point occurs in load module input, this parameter must be specified. (2) If you cannot use the EP= parameter and the entry point occurs in an object module, make sure that the module is included in the SYSLIN or SYSLIB input, and that an entry point was specified during compilation or assembly.

## Source

DFSMSdfp

## Module

HEWLLIBR

## Routing code

Note 11

## Descriptor code

-

---

**IEW1173****ERROR - ENTRY POINT RECEIVED BUT NOT MATCHED.**

## Explanation

The entry point name specified in the parameter field or on an END card was not matched to an incoming LR, SD, or PC.

## System action

The first assigned address is used as the entry point address.

## System programmer response

Rerun the step, using the linkage editor instead of the loader, and save the resulting output.

## Programmer response

Probable user error. (1) Check to see if the EP= parameter was specified correctly. (2) Check to see if the module containing the entry point is included in either the SYSLIN or SYSLIB input. (3) Check other messages issued for the cause of error (that is, incorrect record).

**Source**

DFSMSdfp

**Module**

HEWLLIBR

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW1182** **ERROR - NO END CARD RECEIVED.****Explanation**

An END card is missing for an input object module.

**System action**

Processing continues.

**System programmer response**

Rerun the step, using the linkage editor instead of the loader, and save the resulting output. Have object module input available.

**Programmer response**

Probable user error. Check input object modules. The last record of each should have a 12-2-9 punch in column 1 and the END identifier in columns 2 through 4. If an END record is missing, recreate the module and rerun.

**Source**

DFSMSdfp

**Module**

HEWLRELO

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW1194** **ERROR - AVAILABLE STORAGE EXCEEDED.****Explanation**

The amount of virtual storage available to the loader is insufficient to allow construction of the required tables and loaded program.

## System action

The loader returns to the caller with a completion code of 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

Probable user error. (1) Increase the SIZE parameter, or (2) make sure the REGION specification is sufficient, or (3) make sure that sufficient virtual storage is available to satisfy the SIZE specification. Either have the output of the SYSGEN of the loader available or run the AMASPZAP service aid program with the DUMPT IEWLOADR IEWLDDDEF statement, and save the resulting dump of the loader's default SIZE value.

## Source

DFSMSdfp

## Module

HEWLIOCA, HEWLRELO, HEWLLIBR, HEWLIDEN

## Routing code

Note 11

## Descriptor code

-

---

**IEW1204****ERROR - TOO MANY EXTERNAL NAMES IN INPUT MODULE.**

## Explanation

The external symbol ID is too large to fit in the translation table.

## System action

Processing is ended. The loader returns to the caller with a completion code of 16.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

## Programmer response

If the program is large and/or complex, either (1) run the step using the linkage editor, or (2) break down the large program module into a number of smaller routines. If the program is not particularly large or complex, check other messages issued for the cause of error. Object module input may be incomplete or mispunched. Recreate the object modules, and rerun the job.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

|                |  |
|----------------|--|
| <b>IEW1214</b> | <b>ERROR - IDENTIFICATION FAILED - DUPLICATE PROGRAM NAME FOUND.</b> |
|----------------|--|

## Explanation

When trying to identify the loaded program to the system, the IDENTIFY routine found a duplicate program name in the user's region or partition or in the link pack area.

## System action

Processing is ended. The loader returns to the caller with a condition code of 16.

## System programmer response

Run the IEBTPCH utility program to obtain a listing of the SYS1.PARMLIB data set.

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Probable user error. Specify a unique program name, using the NAME option, or let the loader default the name to \*\*GO. Rerun the job.

## Source

DFSMSdfp

## Module

HEWLIDEN

## Routing code

Note 11

## Descriptor code

-

---

|                |                                       |
|----------------|---------------------------------------|
| <b>IEW1224</b> | <b>ERROR - IDENTIFICATION FAILED.</b> |
|----------------|---------------------------------------|

## Explanation

The IDENTIFY routine located an error in the parameter list passed to it by the loader. The appropriate IDENTIFY macro instruction support may not be included in the operating system.

## System action

Processing is ended. The loader returns to the caller with a condition code of 16.

## System programmer response

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

## Programmer response

Verify that the appropriate IDENTIFY macro instruction support is included in the system. The release level of the IDENTIFY macro instruction should be the same as the release level of the loader.

## Source

DFSMSdfp

## Module

HEWLIDEN

## Routing code

Note 11

## Descriptor code

-

---

**IEW1232**

**ERROR - COMMON EXCEEDS SIZE OF CSECT WITH SAME NAME.**

## Explanation

A named COMMON area has been encountered that is larger than the control section with same name.

## System action

The loader uses the length of the control section. Processing continues.

## Programmer response

Ensure that no named COMMON area is larger than the control section initializing it. FORTRAN programmers should make sure that any named COMMON in a BLOCK DATA subprogram is at least as large as any named COMMON with the same name in any other FORTRAN program or subprogram with which the BLOCK DATA subprogram is to be link edited. To isolate the problem, you can run the step with the NCAL option specified. If the error recurs, the long COMMON occurs in the primary data set. Otherwise, it occurs in a module from the automatic call library. In either case, run the following functions of the service aid program AMBLIST. Run the LISTOBJ function to list all object module symbols, and run the LISTLOAD function with the OUTPUT=XRFF option to list all load module symbols in the appropriate input data sets. Check the listings for all modules that contain the named COMMON in question, and correct the lengths.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEW1241</b> | <b>WARNING - INVALID AMODE/RMODE COMBINATION FOUND IN PARM FIELD - IGNORED.</b> |
|----------------|---|

## Explanation

An incorrect combination of AMODE and RMODE parameters was specified in the PARM field of the EXEC statement.

## System action

Processing continues, but the PARM field of the EXEC statement is ignored as a source of AMODE/RMODE data for the loaded module.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) remove the AMODE and RMODE specification(s) from the PARM field, or (2) correct the PARM field so that the combination of AMODE/RMODE specifications is valid.

## Source

DFSMSdfp

## Module

HEWLIOCA

## Routing code

Note 11

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IEW1251</b> | <b>WARNING - INVALID AMODE/RMODE COMBINATION IN ESD DATA FOR THE NAMED CSECT - IGNORED.</b> |
|----------------|---|

## Explanation

An incorrect AMODE/RMODE combination, 24/ANY, was found in the ESD data.



## System action

Processing continues, but the control section is processed as having an AMODE of 24 and an RMODE of 24.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) correct the ESD data to indicate a valid AMODE/RMODE combination, or (2) recompile/reassemble the source program to obtain an object module without the erroneous AMODE/RMODE indicators, or (3) correct the processor generating the object module to provide only valid AMODE/RMODE indicators.

## Source

DFSMSdfp

## Module

HEWLRELO

## Routing code

Note 11

## Descriptor code

-

---

**IEW1262****ERROR - INVALID 3-BYTE ADCON.**

## Explanation

A 3-byte address constant cannot be relocated, because it requires more than the 24 bits available for relocation.

## System action

Processing continues but the 3-byte address constant is not relocated.

## System programmer response

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the assembly listing, the compiler output, the source input, the source program listing, the linkage editor output, and all printed output and output data sets related to the problem.

## Programmer response

Either (1) redefine the address constant, as a 4-byte address constant, or (2) specify an RMODE of 24 bits for the loaded module.

**Source**

DFSMSdfp

**Module**

HEWLRELO

**Routing code**

Note 11

**Descriptor code**

-

---

**IEW1271****WARNING - INCONSISTENT RMODE DATA - RMODE = 24 FORCED.****Explanation**

The loading of the module was initiated above the 16-megabyte virtual storage line because the external symbol dictionary (ESD) data for the first control section encountered indicated an RMODE of ANY. However, a control section has been encountered that indicates an RMODE of 24 in the ESD data.

**System action**

The loading of the module above the 16-megabyte virtual storage line is stopped, and loading is restarted below the 16-megabyte virtual storage line.

**System programmer response**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, the program listing, the linkage editor output, and all printed output and output data sets related to the problem.

**Programmer response**

Either (1) specify an RMODE and an AMODE (if necessary) in the PARM field of the EXEC statement for the loaded module; (2) cause the control section that indicates an RMODE of 24 in the ESD data to be the first control section encountered; or (3) recode and/or recompile/reassemble the source program for the control section that has an RMODE of 24, making the RMODE = ANY.

**Source**

DFSMSdfp

**Module**

HEWLIOCA

**Routing code**

Note 11

**Descriptor code**

-

**Explanation**

This message is issued by the loader when it determines that the loaded program has ended abnormally.

**System action**

Loaded program processing is ended abnormally, and control is returned to the loader. (Unless the user has included a SYSUDUMP DD statement for the loaded program, this message is the only indication that the program has ended abnormally.)

**System programmer response**

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and all printed output and output data sets related to the problem.

**Programmer response**

To obtain a dump to aid in determining the cause of the abnormal end, include a SYSUDUMP DD statement for the loaded program and rerun the job.

**Source**

DFSMSdfp

**Module**

HEWLCTRL



---

# Chapter 12. IEW messages (IEW2001 - IEW2999)

All binder messages are in the following format:

<message number> <internal code> <message text>

The internal codes are not documented because they are used for diagnostic purposes.

The following type codes indicate the severity of the detected error:

- E**  
**Error:** Severity 8
- I**  
**Information:** Severity 0
- S**  
**Severe error:** Severity 12
- T**  
**Terminating error:** Severity 16
- W**  
**Attention:** Severity 4

---

IEW2001SDDNAME *ddname* IS REQUIRED, BUT WAS NOT SPECIFIED.

---

### Explanation

The ddname was not specified. For the IEWBLINK entry point, the required ddnames are SYSLIN, SYSLMOD, and SYSPRINT (or the designated alternates). For IEWBLOAD, IEWBLDGO, and IEWBLODI the only required ddname is SYSLIN (or its designated alternate).

### System action

Processing terminates.

### User response

Add the required DD statements.

### Source

Binder

### Module

IEWBACTL

---

IEW2006SUSER PROGRAM HAS ABNORMALLY TERMINATED WITH ABEND CODE  
*abend-code*.

---

### Explanation

The user program invoked by the binder ended with the specified system or user abend code.

### System action

User program terminates abnormally, and control returns to the binder. Processing continues if possible.

## User response

Examine user program for errors.

## Source

Binder

## Module

IEWBACTL

---

**IEW2008I** **PROCESSING COMPLETED. RETURN CODE = *return-code*.**

## Explanation

Binder processing has completed with the indicated return code. If the binder was executed as a batch job step, this will be the step completion code. This return code is the highest return code generated during processing of this step. Another message in this step describes specifically the condition that resulted in this return code.

## System action

Processing completed

## User response

None.

## Source

Binder

## Module

IEWBACTL, IEWBDINT

---

**IEW2009S** **ATTACH FAILED WITH RETURN CODE *return-code*.**

## Explanation

The ATTACH invocation to the user's program failed with return code indicated.

## System action

The user's program will not be given control. Processing terminates.

## User response

Examine the job set up, guided by the return code from the ATTACH function. Refer to [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#).

## Source

Binder

## Module

IEWBACTL

---

**IEW2010I** **LOADED PROGRAM RETURN CODE = *return-code*.**

## Explanation

The user's program ended with the specified return code.

## System action

Processing continues

## User response

Examine the job setup, guided by the return code.

## Source

Binder

## Module

IEWBACTL

---

|                 |  |
|-----------------|--|
| <b>IEW2012I</b> | <b>ALL TEMPNAMES ARE IN USE. THE MODULE CANNOT BE SAVED.</b> |
|-----------------|--|

## Explanation

No valid member name was available. An attempt was made to save the module under a temporary name, but the target library already contained members with TEMPNAM0 through TEMPNAM9.

## System action

The module was not saved.

## User response

Ensure that a member name is specified by using a NAME control statement or providing a member name on the SYSLMOD DD statement.

## Source

Binder

## Module

IEWBACTL

---

|                 |   |
|-----------------|---|
| <b>IEW2013I</b> | <b>NO MEMBER NAME WAS SPECIFIED. MODULE WAS SAVED USING<br/><i>member-name</i>.</b> |
|-----------------|---|

## Explanation

No valid member name was specified. Module was saved using a temporary name (TEMPNAM0 - TEMPNAM9).

## System action

Workmod saved using TEMPNAMx as member name.

## User response

If a temporary name is not acceptable, provide a member name and rerun.

## Source

Binder

## Module

IEWBACTL

---

**IEW2090W**

**IEWBFDAT CALLED WITHOUT VL BIT ON.**

## Explanation

The interface definition requires that calls to IEWBFDAT all have the high order bit set on the pointer to the last parameter passed. A call was made with a parameter list that was either too long, or did not have that bit set.

## System action

Processing continues assuming that the maximum length valid parameter list was passed. This is done for compatibility with earlier releases which did not check the requirement.

## User response

Contact the Application Developer, who will need to correct the parameter list.

## Source

Program Management Fast Data Application Programming Interface

## Module

IEWBQENT

---

**IEW2091S**

**IEWBFDAT UNABLE TO GET *nnnn* MB OF 64-BIT STORAGE, IARV64  
CODE *xxxx*.**

## Explanation

Beginning with z/OS V1R9 IEWBFDAT requires 64-bit storage to hold the program object being inspected. The IARV64 code reported is the second and third byte of the reason code reported by that service. See the IARV64 macro for details. Most codes that are reported in this message reflect environmental constraints; however, code X'0021' indicates that the job is not allowed to use 64-bit storage at all.

## System action

Processing is aborted with return code X'12', reason code X'1080002F'.

## User response

Modify the job's MEMLIMIT parameter. If that does not resolve the problem, report the message contents to an installation system programmer.

## Source

Program Management Fast Data Application Programming Interface

## Module

IEWBQINI



---

**IEW2100I*****call-sequence workmod-id ADDA WORKMOD = token ANAME = alias-name ENTRY = entry-point-name AMODE = amode-value.***

### **Explanation**

Echo of an ADDA call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with this call. Call-sequence is a binder-generated number incremented after each API call to the binder.

### **System action**

Processing continues.

### **User response**

None.

### **Source**

Binder

### **Module**

IEWBDCTL

---

**IEW2101I*****call-sequence workmod-id ALIGN WORKMOD = token SECTION = section-name BOUNDARY = boundary CLASS COUNT = class\_count.***

### **Explanation**

Echo of an ALIGN call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with this call. Call-sequence is a binder-generated number incremented after each API call to the binder.

Boundary is the specified alignment boundary or \*NULL\* if the API version is less than 8.

*Class\_count* is the number of class names that were specified to be aligned. It will be 0 if no class names were specified or if the API version is less than 8.

### **System action**

Processing continues.

### **User response**

None.

### **Source**

Binder

### **Module**

IEWBDCTL

---

**IEW2102I*****call-sequence workmod-id ALTERW WORKMOD = token ATYPE = value MODE = value OLDNAME = symbol NEWNAME = symbol COUNT = number CLASS = class-name.***

## Explanation

Echo of an ALTERW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with this call. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2103I</b> | <b><i>call-sequence workmod-id BINDW WORKMOD = token CALLIB = ddname.</i></b> |
|-----------------|---|

## Explanation

Echo of a BINDW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with this call. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2104I</b> | <b><i>call-sequence workmod-id CREATEW DIALOG = token INTENT = value.</i></b> |
|-----------------|---|

## Explanation

Echo of a CREATEW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is 0, indicating that the call is associated with the dialog. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2105I</b> | <i>call-sequence workmod-id</i> <b>DELETEW WORKMOD = token PROTECT = value.</b> |
|-----------------|---|

**Explanation**

Echo of a DELETEW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number identifying the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2106I</b> | <i>call-sequence workmod-id</i> <b>ENDD DIALOG = token PROTECT = protect-type.</b> |
|-----------------|--|

**Explanation**

Echo of an ENDD call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is 0, indicating that the call is associated with the dialog. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

## Module

IEWBDCTL

---

**IEW2107I**

*call-sequence workmod-id GETD WORKMOD = token CLASS = class-name SECTION=section-name CURSOR=cursor RELOC=adcons for relocation.*

## Explanation

Echo of a GETD call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

**IEW2108I**

*call-sequence workmod-id GETE WORKMOD = token SECTION = section-name RECTYPE = ESD-type-list OFFSET = number SYMBOL = symbol CURSOR = number CLASS = class-name.*

## Explanation

Echo of a GETE call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

**IEW2109I**

*call-sequence workmod-id GETN WORKMOD = token CURSOR = number.*

**Explanation**

Echo of a GETN call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2110I</b> | <i>call-sequence workmod-id</i> <b>INCLUDE WORKMOD = token INTYPE = value<br/>DDNAME = ddname MEMBER = member-name DCBPTR = address<br/>DEPTR = address EPTOKEN = token ATTRIB = value ALIASES = value<br/>IMPORTS= value.</b> |
|-----------------|--|

**Explanation**

Echo of an INCLUDE call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

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|                 |  |
|-----------------|--|
| <b>IEW2111I</b> | <i>call-sequence workmod-id</i> <b>INSERTS WORKMOD = token SECTION =<br/>section-name.</b> |
|-----------------|--|

**Explanation**

Echo of an INSERTS call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

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|                 |  |
|-----------------|--|
| <b>IEW2112I</b> | <i>call-sequence workmod-id LOADW WORKMOD = token IDENTIFY = value<br/>LNAME = symbol.</i> |
|-----------------|--|

**Explanation**

Echo of a LOADW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2113I</b> | <i>call-sequence workmod-id ORDERS WORKMOD = token SECTION =<br/>section-name.</i> |
|-----------------|--|

**Explanation**

Echo of an ORDERS call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2114I</b> | <i>call-sequence workmod-id</i> <b>PUTD WORKMOD = token CLASS = class-name SECTION = section-name AREAADDR = address CURSOR = number COUNT = number NEWSECT = value ENDDATA =number.</b> |
|-----------------|--|

**Explanation**

Echo of a PUTD call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

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|                 |  |
|-----------------|--|
| <b>IEW2115I</b> | <i>call-sequence workmod-id</i> <b>RESETW WORKMOD = token INTENT= value PROTECT = value.</b> |
|-----------------|--|

**Explanation**

Echo of a RESETW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

**IEW2116I*****call-sequence workmod-id SAVEW WORKMOD = token MODLIB =  
ddname SNAME = member-name REPLACE = value.*****Explanation**

Echo of a SAVEW call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

**IEW2117I*****call-sequence workmod-id SETL WORKMOD = token SYMBOL = symbol  
LIBOPT = value CALLIB = ddname.*****Explanation**

Echo of a SETL call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

**IEW2118I*****call-sequence workmod-id SETO DIALOG = token WORKMOD = token  
OPTION = name VALUE = value PARM STRING = string.*****Explanation**

Echo of a SETO call from the call interface. It is printed only if the list option is set to all. Workmod-id is a number which identifies the workmod associated with the CALL. Call-sequence is a binder-generated number incremented after each API call to the binder.



**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                |   |
|----------------|---|
| <b>IEW2119</b> | <b>PRT_SEQ PRT_OP STARTD FILE_LIST HAS <i>Xxxxxx</i> ENTRIES. EXIT_LIST HAS <i>yyyy</i> ENTRIES. OPTION_LIST HAS <i>zzzz</i> ENTRIES. PARM STRING = 'cccc'. ENVIRON= nnnn'.</b> |
|----------------|---|

**Explanation**

Echo of a STARTD call from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with this call.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2119I</b> | <b><i>call-sequence workmod-id</i> STARTD FILE LIST HAS <i>number</i> ENTRIES. EXIT LIST HAS <i>number</i> ENTRIES. OPTION LIST HAS <i>number</i> ENTRIES. PARM STRING = <i>string</i>.</b> |
|-----------------|---|

**Explanation**

Echo of a STARTD call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is 0, indicating that the call is associated with the dialog. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2120I</b> | <b><i>call-sequence workmod-id STARTS WORKMOD = token ORIGIN = symbol<br/>REGION = value.</i></b> |
|-----------------|---|

## Explanation

Echo of a STARTS call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number identifying the workmod associated with this call. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2121I</b> | <b><i>call-sequence workmod-id STARTD OPTION name VALUE value</i></b> |
|-----------------|---|

## Explanation

Echo of an option specification on a STARTD call. It is printed only if the list option is set to ALL. Workmod-id is 0, indicating that the call is associated with the dialog. Call-sequence is a binder-generated number incremented after each API call to the binder.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2123I</b> | <b><i>call-sequence workmod-id STARTD EXIT name ADDRESS address</i></b> |
|-----------------|---|

**Explanation**

Echo of an exit specification on a STARTD call. It is printed only if the list option is set to ALL. Workmod-id is 0, indicating the call is associated with the dialog. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

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|                 |  |
|-----------------|--|
| <b>IEW2124I</b> | <i>call-sequence workmod-id function-name RETURN CODE = return-code<br/>REASON CODE = reason-code.</i> |
|-----------------|--|

**Explanation**

Return and reason codes set by current IEWBIND call. It is printed if the list option is set to ALL. Workmod-id is 0, indicating the dialog is the target. Function name is the requested function which received the specified reason and return codes. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2125I</b> | <i>call-sequence workmod-id AUTOCALL WORKMOD = token CALLIB =<br/>ddname.</i> |
|-----------------|---|

**Explanation**

Echo of an AUTOCALL request from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder-generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with the call.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2126I</b> | <b><i>call-sequence workmod-id DLLRENAME WORKMOD = token RENAMEL = symbol-list.</i></b> |
|-----------------|---|

## Explanation

Echo of a DLLRENAME request from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder-generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with the call.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2127I</b> | <b><i>call-sequence workmod-id IMPORT WORKMOD = token ITYPE = import-type DLLNAME = dynamic-link-library INAME = import-name.</i></b> |
|-----------------|---|

## Explanation

Echo of an IMPORT request from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder-generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with the call.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2128I</b> | <i>call-sequence workmod-id</i> <b>RENAME WORKMOD = token NEWNAME = new-name OLDNAME = old-name.</b> |
|-----------------|--|

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## Explanation

Echo of a RENAME request from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder-generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with the call.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2129I</b> | <i>call-sequence workmod-id</i> <b>THAN PART. AUTOCALL WORKMODE = token PATHNAME = pathname.</b> |
|-----------------|--|

---

## Explanation

Echo of an AUTOCALL request from the call interface. It is printed only if the list option is set to ALL. Call-sequence is a binder-generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with the call.

This message is issued if a pathname is specified on an AUTOCALL statement. Otherwise IEW2125I will be issued.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDVDD

---

**IEW2130S****PARAMETER LIST COULD NOT BE ACCESSED.****Explanation**

All or part of the parameter list passed to the IEWBIND entry point was in storage which the operating system did not allow the binder to access.

**System action**

Current request will not be processed.

**User response**

Correct the calling program to ensure that the address of the parameter list is valid and that the key of the parameter list matches the key of the calling program.

**Source**

Binder

**Module**

IEWBDCTL

---

**IEW2131I*****call-sequence workmod-id GETC WORKMOD = token CULST = cu-list  
CURSOR = cursor*****Explanation**

Echo of a GETC call from the call interface. It is printed only if the list option is set to ALL. Workmod-id is a number which identifies the workmod associated with the call. Call-sequence is a binder-generated number incremented after each API call to the binder.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCTL

---

**IEW2132S*****INCORRECT NUMBER OF PARAMETERS PASSED FOR FUNCTION CALL  
function name .*****Explanation**

The number of passed parameters (delimited by the high order bit being on in the last entry) is incorrect for this function and version number.

### System action

Current request will not be processed.

### User response

Correct the calling program.

### Source

Binder

### Module

IEWBDCTL

---

|                 |   |
|-----------------|---|
| <b>IEW2133S</b> | <b>FUNCTION CODE <i>value</i>, OR ITS VERSION NUMBER, IS NOT VALID.</b> |
|-----------------|---|

---

### Explanation

The function code passed on a call to IEWBIND is not a code recognized by the binder, or its version level (in the second halfword of the parameter) is not acceptable in combination with the indicated function.

### System action

Current request will not be processed.

### User response

Correct the calling program.

### Source

Binder

### Module

IEWBDCTL

---

|                 |  |
|-----------------|--|
| <b>IEW2134S</b> | <b><i>token</i> IS NOT A VALID DIALOG TOKEN.</b> |
|-----------------|--|

---

### Explanation

The passed token does not designate an existing dialog.

### System action

Current request will not be processed.

### User response

Correct the calling program.

### Source

Binder

## Module

IEWBDCTL

---

**IEW2135S**

***token IS NOT A VALID WORKMOD TOKEN.***

## Explanation

The passed token does not designate an existing workmod.

## System action

Current request will not be processed.

## User response

Correct the calling program.

## Source

Binder

## Module

IEWBDCTL

---

**IEW2136S**

**NO VALID TOKEN WAS PASSED.**

## Explanation

Neither a valid dialog token nor a valid workmod token was passed. This is issued on calls for which there is a choice of tokens.

## System action

Current request will not be processed.

## User response

Correct the calling program.

## Source

Binder

---

**IEW2137S**

**BINDER MAY NOT BE INVOKED FROM A USER EXIT.**

## Explanation

IEWBIND was called when a user exit was in control for this dialog. The exit routine must return to the binder before another call may be issued.

## System action

Current request will not be processed.

## User response

Correct the calling program.



## Source

Binder

## Module

IEWBDCTL

---

**IEW2139I**

**PASSED EVNIRONMENT VARIABLE: *nnnn=vvvv***

## Explanation

Echo of a binder environment variable. It is printed only if the list option is set to ALL. Call-sequence is a binder generated number incremented after each API call to the binder. Workmod-id is a number which identifies the workmod associated with this call.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCTL

---

**IEW2140E**

**SYMBOL *symbol* CONTAINS ONE OR MORE INVALID CHARACTERS.**

## Explanation

The designated symbol contains character(s) not allowed in binder symbol names. The valid character set is X'40' to X'FE' plus X'0E' and X'0F'.

## System action

Current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDSYM

---

**IEW2141E**

***symbol-type* BEGINNING '*truncated\_symbol*' IS TOO LONG. IT CONTAINS MORE THAN *number* CHARACTERS.**

### Explanation

The symbol *truncated\_symbol* has a length greater than is allowed for that symbol type. *number* gives the maximum allowed length. The number of characters of *truncated\_symbol* which are printed will be no more than the maximum length allowed, and at most 64 characters. The *symbol-type* will be one of the following:

**Symbol type**

### Description

**SYMBOL**

Any external symbol

## SECTION

The name of the control section.

**SYMBOL or SECTION**

The name of a control section or a symbol within a control section.

**MEMBER or ALIAS**

Either a member name or an alias name.

## CLASS

The name of the binder or compiler class, from an EXPAND statement or a binder API call, or ALIGNT statement or binder API call.

## LOADW LNAME

When using the binder API, an LNAME=parameter on an IEWBIND FUNC=LOADW call.

## STARTS ORIGIN

When using the binder API, an ORIGIN=parameter on an IEWBIND FUNC=STATS call.

### System action

Current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDSYM, IEWBDVAL, IEWBOLST, IEWBOVAL, IEWBICPA, IEWBICPB

|          |  |
|----------|--|
| IEW2142E | SYMBOL <i>symbol</i> HAS BEEN TRUNCATED AT THE FIRST EMBEDDED BLANK. |
|----------|--|

### Explanation

The symbol contained an embedded blank in other than the first position.

### System action

If the symbol was on a control statement, the binder will ignore the truncated symbol. Processing continues with the next record if any. If the symbol was passed on an API call, the binder will use the truncated symbol.

## User response

Correct the input.

**Source**

Binder

**Module**

IEWBDSYM

---

**IEW2143S** **SPECIFIED ALIAS NAME IS BLANK.****Explanation**

An alias name of all blanks (or whose first character is a blank) was passed. It will not be used.

**System action**

Current request will not be processed.

**User response**

Correct the input.

**Source**

Binder

**Module**

IEWBDVAL

---

**IEW2144T** **DFSMS/MVS AT THE LEVEL REQUIRED BY THE PROGRAM  
MANAGEMENT BINDER IS NOT AVAILABLE ON THIS SYSTEM.****Explanation**

The binder requires DFSMS/MVS release level of 1.1 or later.

**User response**

Ensure the correct level of DFSMS/MVS is installed on the system.

**Source**

Binder

**Module**

IEWBDCTL, IEWBACTL

---

**IEW2145S** **BUFFER SIZE TOO SMALL FOR RECORD COUNT.****Explanation**

The length in the header of the buffer passed on a PUTD call is too small to hold the number of records being passed. The number of records passed is indicated by the COUNT parameter.

**User response**

Ensure that the record length and number and buffer size in the buffer header are consistent with the COUNT parameter.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2146S**

**CONFLICTING INPUT SPECIFICATIONS ON AN INCLUDE CALL.**

## Explanation

The parameters specified for INTYPE on an INCLUDE API call are missing or invalid. Specifically, one of the following rules was violated:

1. If INTYPE = NAME, then a DDNAME must be passed.
2. If INTYPE = POINTER, then DCBPTR and DEPTR must be passed.
3. If INTYPE = TOKEN, then EPTOKEN must be passed.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2147S**

**PARAMETER *parameter-name* WAS SPECIFIED WITH AN INCORRECT VALUE ON A *function-name* FUNCTION CALL.**

## Explanation

The value passed for the indicated parameter was not a valid value.

## System action

The current request will not be processed.

## User response

Refer to the discussion in *z/OS MVS Program Management: User's Guide and Reference* on using the binder application programming interface, including the acceptable values for the indicated parameter, and correct the calling program.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2149S****PARAMETER NUMBER *number* ( *parameter-name* ) COULD NOT BE  
ACCESSED.****Explanation**

The number parameter was not in accessible storage. The 'parameter name' is the corresponding keyword on the IEWBIND macro.

**System action**

The current request will not be processed.

**User response**

Correct the calling program to ensure the parameter list contents are all in storage that can be accessed by the binder.

**Source**

Binder

**Module**

IEWBDVAL, IEWBDDINT

---

**IEW2150E****THE DATA BUFFER IS TOO SMALL.****Explanation**

The AREA parameter passed on a GETE or GETD function call is too small to completely contain the first selected record plus its associated names.

**System action**

The current request for data will not be completed. Any data returned in the buffer is incomplete. COUNT will be set to zero.

**User response**

Increase the SIZE or BYTES parameter on the IEWBUFF invocation (FUNC=MAPBUFF). As a general rule, the minimum buffer should be large enough to contain one entry of the requested class plus three names of the maximum length in use.

**Source**

Binder

**Module**

IEWBDCAL

---

**IEW2152S****ADDA ATYPE PARAMETER, PASSED AS *atype*, IS INVALID.****Explanation**

ATYPE of ADDA function call is not 'A','S','P' or 'T'.

## System action

None.

## User response

Ensure ATYPE of ADDA function call is one of 'A','S','P' or 'T'.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2154S** **BUFFER HEADER CONTAINS INVALID FIELDS.**

## Explanation

One of the following problems was detected:

1. Class name in the header is invalid, or does not agree with the class name passed in the parameter list.
2. Entry count or entry length is negative.
3. Version number is invalid.
4. Buffer is not large enough to contain the number of records specified in the header.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDCAL

---

**IEW2155S** ***class-name* IS NOT A VALID BINDER CLASS NAME.**

## Explanation

Class name contains characters not allowed for binder symbols, or is longer than 16. The valid character set is X'40' to X'FE' plus X'0E' and X'0F'.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

|                 |   |
|-----------------|---|
| <b>IEW2157S</b> | <b>CURSOR WAS SPECIFIED AS A NEGATIVE NUMBER OTHER THAN -1.</b> |
|-----------------|---|

---

## Explanation

The cursor must be greater than or equal to zero, or -1 (-1 is used to imply that data is to be appended in a PUTD call).

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

|                 |   |
|-----------------|---|
| <b>IEW2159S</b> | <b>FUNCTION <i>function-name</i> IS INVALID FOR A WORKMOD WITH INTENT = ACCESS.</b> |
|-----------------|---|

---

## Explanation

A binder API call specifying a function with a workmod token which was created with intent access was issued, but the function is not valid for this workmod.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

|                 |   |
|-----------------|---|
| <b>IEW2160S</b> | <b>GET REQUESTS ARE INVALID WHEN ISSUED AGAINST AN UNBOUND WORKMOD.</b> |
|-----------------|---|

---

## Explanation

An unbound workmod was passed as a token on a GETE, GETD or GETN call.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2166S** **OFFSET WAS SPECIFIED AS A NEGATIVE NUMBER OTHER THAN -1.**

## Explanation

The offset must be greater than or equal to zero, or -1 (-1 is used to imply that offset is not to be used as a selection criterion in a GETE call).

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2171S** **SECTION OR SYMBOL NAME *name* CONTAINS INVALID CHARACTERS.**

## Explanation

The section name or symbol name passed contains characters whose hexadecimal representation is other than X'0E', X'0F' or X'40' thru X'FE'.

## System action

The current request will not be processed.

## User response

Correct the input.



## Source

Binder

## Module

IEWBDVAL

---

**IEW2172S** *name* **FUNCTION IS INVALID WHILE BUILDING A MODULE WITH PUTD.**

## Explanation

When INTENT=BIND, once a sequence of PUTD calls is initiated to build new sections in a workmod, the only calls allowed for that workmod are PUTD, RESETW, or DELETEW (until the PUTD sequence is ended by ENDDATA=YES).

## System action

The current request will not be processed.

## User response

Correct the calling program.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2173S** *name* **CANNOT BE USED TO IDENTIFY THE LOADED MODULE, BECAUSE IT IS LONGER THAN 8 CHARACTERS.**

## Explanation

The LNAME passed on a LOADW call cannot be used, because it is longer than 8 characters and will not be accepted by the IDENTIFY macro.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

**IEW2174S** **A MEMBER NAME OF ALL BLANK CHARACTERS WAS PASSED.**

## Explanation

Member name on an INCLUDE or SAVEV request may not be all blanks.

## System action

The current request will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDVAL

---

|                 |   |
|-----------------|---|
| <b>IEW2175S</b> | <b>A SETLIB CALL WITH LIBOPT=CALL DID NOT SPECIFY A CALLIB.</b> |
|-----------------|---|

## Explanation

A call library is required if LIBOPT=CALL on SETL. The call library may be specified by the CALLIB parameter on SETL or the CALLIB option passed on a SETO or STARTD function call to IEWBIND.

## System action

The current SETLIB request will not be processed.

## User response

Correct the calling program.

## Source

Binder

## Module

IEWBDVAL

---

|                 |  |
|-----------------|--|
| <b>IEW2176S</b> | <b>THE REQUIRED PARAMETER <i>parameter-name</i> WAS NOT SPECIFIED ON A <i>function-name</i> FUNCTION CALL.</b> |
|-----------------|--|

## Explanation

The parameter list passed for the indicated function did not specify a value for the indicated parameter. The function requires a valid value for the parameter.

## System action

The current request will not be processed.

## User response

Refer to the documentation in the Program Management information on using the binder application programming interface for the indicated function call, and correct the calling program.

**Source**

Binder

**Module**

IEWBDVAL

---

**IEW2178S****IDENTIFY=NO SPECIFIED WITHOUT AN EXTENT LIST.****Explanation**

On a LOADW function call, an extent list buffer was required, but was not passed (the parameter list entry points to a word of zeros).

**System action**

The current request will not be processed.

**User response**

Correct the input.

**Source**

Binder

**Module**

IEWBDVAL

---

**IEW2185S****OFFSET AND SYMBOL MAY NOT BOTH BE SPECIFIED ON A GETE REQUEST.****Explanation**

OFFSET and SYMBOL are incompatible selection criteria for a GETE request.

**System action**

The current request will not be processed.

**User response**

Correct the input.

**Source**

Binder

**Module**

IEWBDVAL

---

**IEW2186S****INTYPE SPECIFICATION WAS NOT VALID FOR INTENT=BIND.****Explanation**

On an INCLUDE which specifies a workmod whose INTENT is BIND, the only allowed INTYPE is N.

### System action

The current request will not be processed.

### User response

Correct the input.

### Source

Binder

### Module

IEWBDVAL

---

|                 |  |
|-----------------|--|
| <b>IEW2189E</b> | <b>DDNAME <i>ddname</i> CONTAINS ONE OR MORE INVALID CHARACTERS.</b> |
|-----------------|--|

### Explanation

The *ddname* passed on a call to IEWBIND contains a character which is neither alphanumeric nor national or begins with a numeric character.

### System action

Current request will not be processed.

### User response

Correct the input.

### Source

Binder

### Module

IEWBDVDD

---

|                 |   |
|-----------------|---|
| <b>IEW2191E</b> | <b>THE DDNAME WHICH BEGINS WITH THE CHARACTERS <i>ddname</i> HAS A LENGTH OF <i>length</i> BYTES, BUT THE LIMIT IS 8.</b> |
|-----------------|---|

### Explanation

A *ddname* of more than 8 characters was passed.

### System action

Current request will not be processed.

### User response

Correct the input.

### Source

Binder

## Module

IEWBDVDD

---

|                 |   |
|-----------------|---|
| <b>IEW2192E</b> | <b>DDNAME <i>ddname</i> HAS BEEN TRUNCATED AT THE FIRST EMBEDDED BLANK.</b> |
|-----------------|---|

---

## Explanation

The ddname passed to the binder via the call interface contained an embedded blank in other than the first position.

## System action

If the symbol was on a control statement, the binder will ignore the truncated symbol. Processing continues with the next record if any. If the symbol was passed on an API call, the binder will use the truncated symbol.

## User response

Check input.

## Source

Binder

## Module

IEWBDVDD

---

|                 |   |
|-----------------|---|
| <b>IEW2200W</b> | <b>ALIAS <i>name</i> REPLACED AN EARLIER ALIAS SPECIFICATION FOR THE SAME SYMBOL.</b> |
|-----------------|---|

---

## Explanation

The symbol had already been specified as an alias name or was an alias on a module previously included into the workmod with ALIASES=YES.

## System action

The new specification replaces the original. Processing continues.

## User response

Check input.

## Source

Binder

## Module

IEWBDADD

---

|                 |   |
|-----------------|---|
| <b>IEW2201W</b> | <b><i>section-name</i> WAS ALREADY ALIGNED.</b> |
|-----------------|---|

---

## Explanation

An align request had already been received for this section.

## System action

No action. Processing continues.

## User response

None.

## Source

Binder

---

**IEW2202W**

**DUPLICATE CALL SPECIFICATION FOR *symbol*. PREVIOUS SPECIFICATION WILL BE DELETED.**

## Explanation

Directions for resolving the specified external reference had already been given in a previous LIBRARY control statement, or on a SETL TYPE=NEXT binder call. This directive will replace the previous one.

## System action

The previous specification for this symbol will be deleted. The current call specification will be used.

## User response

Ensure that input is correct.

## Source

Binder

## Module

IEWBDADD

---

**IEW2203E**

**SECTION *section-name* HAS ALREADY BEEN ORDERED. PREVIOUS REQUEST WILL BE IGNORED.**

## Explanation

An order request for this section has already been received (and it was not the immediately preceding order request). These requests are contradictory. The current order request takes precedence.

## System action

The current request will be used in determining section ordering.

## User response

Review input and determine which request is correct.

## Source

Binder

## Module

IEWBDADD

---

**IEW2205W****SYMBOL *symbol-name* WAS SPECIFIED IN A PREVIOUS RENAME REQUEST. THIS REQUEST WILL BE IGNORED.****Explanation**

A previous rename request specified the indicated symbol name as 'oldsymbol' or 'newsymbol'. Any subsequent rename request cannot reuse a previous symbol name, as this would cause ambiguities during the renaming process. The offending request will be ignored.

**System action**

The current request will be ignored, but processing will continue.

**User response**

Verify that the 'newname' or 'oldname' parameter of the rename request is not a duplicate of a previous rename request.

**Source**

Binder

**Module**

IEWBDADD

---

**IEW2207E****REQUEST REJECTED. NO MORE REGIONS MAY BE CREATED.****Explanation**

An attempt was made to create more than four regions while processing an overlay module.

**System action**

The new region will not be created.

**User response**

Correct the input.

**Source**

Binder

**Module**

IEWBDADD

---

**IEW2208S****REQUEST REJECTED. NO MORE OVERLAY SEGMENTS MAY BE CREATED.****Explanation**

An attempt was made to create more than 255 segments while processing an overlay module. This is the limit for an overlay program.

**System action**

The segment is not created.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDADD

---

|                 |  |
|-----------------|--|
| <b>IEW2209E</b> | <b>DUPLICATE INSERT REQUEST FOR SECTION <i>section-name</i>. PREVIOUS REQUEST WILL BE IGNORED.</b> |
|-----------------|--|

## Explanation

More than one insert request for the same section has been received. The last one received will be used.

## System action

The previous insert request will be discarded, and the current one used.

## User response

Review input and determine which insert request is correct.

## Source

Binder

## Module

IEWBDADD

---

|                 |  |
|-----------------|--|
| <b>IEW2210S</b> | <b>A NEW SECTION MAY NOT BE CREATED WHEN INTENT IS ACCESS.</b> |
|-----------------|--|

## Explanation

If workmod INTENT is ACCESS, a new section may not be created by PUTD.

## System action

The current request is rejected.

## User response

Correct the calling program.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2211S</b> | <b>A SECTION NAME IS REQUIRED, BUT NONE WAS PASSED.</b> |
|-----------------|---|



**Explanation**

A section name is required for PUTD.

**System action**

The current request is rejected.

**User response**

Correct the calling program.

**Source**

Binder

**Module**

IEWBDCAL

---

**IEW2212S****CANNOT ALTER ESDS OR RLDS WHEN INTENT IS ACCESS.****Explanation**

If workmod INTENT is ACCESS, the ESDs and RLDS may not be altered by a PUTD call.

**System action**

The current request is rejected.

**User response**

Correct the calling program.

**Source**

Binder

**Module**

IEWBDCAL

---

**IEW2213S****CANNOT LENGTHEN TEXT WHEN INTENT IS ACCESS.****Explanation**

If workmod INTENT is ACCESS, the length of the text cannot be changed by a PUTD call.

**System action**

The current request is rejected.

**User response**

Correct the calling program.

**Source**

Binder

## Module

IEWBDCAL

---

**IEW2214S**

**CANNOT ALTER BINDER-CREATED SECTIONS WHEN INTENT IS BIND.**

## Explanation

Sections which were created by the binder may not be altered by the user using a PUTD call.

## System action

The current request is rejected.

## User response

Check calling program.

## Source

Binder

## Module

IEWBDCAL

---

**IEW2217S**

**MODULE IS IN OVERLAY FORMAT AND CANNOT BE LOADED.**

## Explanation

A module which has been bound in overlay format cannot be loaded by using the IEWBLDGO, IEWBLOAD, or IEWBLODI batch entry points, or by using the LOADW call.

## System action

The module will not be loaded.

## User response

Do not set OVLY to YES.

## Source

Binder

## Module

IEWBDCAL

---

**IEW2218S**

**CANNOT MERGE ADDITIONAL MODULES WHEN INTENT IS ACCESS.**

## Explanation

An INCLUDE request was received, but the target workmod has INTENT = ACCESS, and already contained at least one section.

## System action

The request is rejected.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2219S</b> | <b>BINDER IDENTIFICATION RECORDS MAY NOT BE MODIFIED.</b> |
|-----------------|---|

---

## Explanation

A PUTD function specified IDRB as the target class, however IDRB records may not be replaced or altered by the user.

## System action

The target workmod is unchanged.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2220S</b> | <b>THE MODE IN THE CURRENT PUT REQUEST DOES NOT AGREE WITH THE MODE IN EFFECT FOR THIS PUT PROCESS.</b> |
|-----------------|---|

---

## Explanation

PUT operates in either INPUT mode or EDIT mode. Only certain functions are allowed with each. The requested function is not supported by the currently active mode.

## System action

The request is rejected.

## User response

Refer to the discussion in the *z/OS MVS Program Management: User's Guide and Reference* on using the binder application programming interface, including the acceptable values for each mode. Correct the calling program.

## Source

Binder

## Module

IEWBDPUT

---

**IEW2221S****MODULE BOUND WITH RES OPTION AND THEREFORE CANNOT BE  
SAVED.****Explanation**

A module bound with the RES option may contain adcons resolved to entry points in LPA. The module is not saved.

**System action**

The module is not saved.

**User response**

Set RES=NO and rerun.

**Source**

Binder

**Module**

IEWBDCAL

---

**IEW2228I****END OF LOAD PROCESSING.****Explanation**

Load processing has completed. This message will be given only if LIST=OFF or LIST=STMT.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBDCAL

---

**IEW2229E****THE INPUT MODULE BUILT BY PUTD CONTAINED INTERNAL ERRORS,  
AND HAS BEEN DELETED.****Explanation**

Internal errors were found in the module currently being processed.

**System action**

The module will be discarded (not merged into the target workmod).

## User response

Check for other error messages issued during the processing of the module and correct the indicated problems.

## Source

Binder

## Module

IEWBDCAL

---

|                 |                            |
|-----------------|----------------------------|
| <b>IEW2230S</b> | <b>MODULE HAS NO TEXT.</b> |
|-----------------|----------------------------|

## Explanation

A module which has just been bound contains no text. Either no sections containing text were included, or all sections containing text were deleted.

## System action

Processing continues.

## User response

Check that all desired modules were included.

## Source

Binder

## Module

IEWBDCAL

---

|                 |                                |
|-----------------|--------------------------------|
| <b>IEW2231I</b> | <b>END OF SAVE PROCESSING.</b> |
|-----------------|--------------------------------|

## Explanation

Save processing has completed. This message will be given only if LIST=OFF or LIST=STMT.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCAL

---

|                 |  |
|-----------------|--|
| <b>IEW2232S</b> | <b>MODULE WILL NOT BE SAVED BECAUSE NO TARGET LIBRARY WAS SPECIFIED.</b> |
|-----------------|--|

## Explanation

The module cannot be saved because no target library was specified.

## System action

The module is not saved.

## User response

If a batch loader entry point was invoked, remove all NAME control statements. If IEWBIND is being called directly, ensure that a target library is specified via the MODLIB option, or as a parameter on the SAVEW call.

## Source

Binder

## Module

IEWBDCAL

---

|                 |  |
|-----------------|--|
| <b>IEW2234S</b> | <b>DIALOG NOT ENDED BECAUSE ACTIVE WORKMODS EXIST AND PROTECT WAS SPECIFIED.</b> |
|-----------------|--|

---

## Explanation

There is at least one non-empty workmod and PROTECT = YES was specified on the ENDD call. Non-empty means that the workmod contains at least one section.

## System action

The dialog will not be terminated.

## User response

Check for other error messages. Either delete the workmods or set PROTECT to NO to end the dialog.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2235S</b> | <b>WORKMOD NOT DELETED BECAUSE IT HAS BEEN ALTERED AND PROTECT WAS SPECIFIED.</b> |
|-----------------|---|

---

## Explanation

If PROTECT is specified, a workmod which has been changed since the last SAVE or LOAD request will not be deleted.

## System action

The target workmod is unchanged.

## User response

Check for other error messages. Check for a missing or failed SAVE or LOAD request. To force deletion, set PROTECT to NO.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2237S</b> | <b>WORKMOD NOT RESET BECAUSE IT HAS BEEN ALTERED AND PROTECT WAS SPECIFIED.</b> |
|-----------------|---|

## Explanation

If PROTECT is specified, a workmod which has been changed since the last SAVE or LOAD request will not be reset.

## System action

The target workmod is unchanged.

## User response

Check for other error messages. Check for a missing or failed SAVE or LOAD request. To force reset, set PROTECT to NO.

## Source

Binder

## Module

IEWBDCAL

---

|                 |  |
|-----------------|--|
| <b>IEW2238W</b> | <b>EXTENT LIST BUFFER IS NOT LARGE ENOUGH TO HOLD ALL EXTENT LIST ENTRIES.</b> |
|-----------------|--|

## Explanation

The returned extent list from a LOADW request may have either one or two entries. The buffer was not large enough to hold all of them.

## System action

As many extent list entries were returned as would fit in the user's buffer. Processing continues.

## User response

Increase count in IEWBUFF macro, or in buffer header.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2240S</b> | <b>NEWSECT=NO WAS SPECIFIED ON PUTD, BUT SECTION <i>section-name</i> WAS NOT FOUND.</b> |
|-----------------|---|

---

## Explanation

NEWSECT=NO implies that the PUTD is for an existing section, but a section of the specified name does not exist in the target workmod.

## System action

The PUTD request will not be processed.

## User response

Correct section name or change NEWSECT to YES.

## Source

Binder

## Module

IEWBDCAL

---

|                 |   |
|-----------------|---|
| <b>IEW2241E</b> | <b>ENVIRONMENT VARIABLE <i>xxx</i> HAS A LENGTH GREATER THAN 32767.</b> |
|-----------------|---|

---

## Explanation

Length of the value associated with a binder environment variable is greater than 32767.

## System action

The environment variable is ignored.

## User response

Correct the length of the value for the binder environment variable.

## Source

Binder

## Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2250I</b> | <b>REUSABILITY HAS NOT BEEN RESET TO <i>reus_value</i></b> |
|-----------------|--|

---

## Explanation

If the latest form of the REUS options was previously specified, any use of the old form is ignored. This message will indicate which value was ignored. Thus, REUS=*xxx*,RENT will result in REUS being set to whatever was specified in *xxx* and RENT will be ignored.



### System action

The *reus\_value* specified has been ignored.

### User response

If the *reus\_value* is desired, then remove the previous REUS setting, or change the previous REUS setting to *reus\_value* and drop the second old form option.

### Source

Binder

### Module

IEWBOUPD

---

|                 |   |
|-----------------|---|
| <b>IEW2251S</b> | <b>BINDER PROCESSING HAS ABNORMALLY TERMINATED WITH SYSTEM<br/>ABEND CODE <i>abend-code</i></b> |
|-----------------|---|

---

### Explanation

A system abend code has occurred and the binder is terminating.

### System action

Processing terminates.

### User response

See [z/OS MVS System Codes](#) for problem resolution.

### Source

Binder

### Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2252W</b> | <b>REUS HAS BEEN SET TO REUS(<i>reus_value</i>).</b> |
|-----------------|--|

---

### Explanation

If the latest form of the REUS option was not used, and incompatible values for the previous form were specified, this message will indicate the value that the binder selected. The REUS option is set to the highest possible value. For instance, if the incompatible values REFR and NORENT are specified simultaneously, the binder will select REFR, as it is the higher of the two values. Additionally, the binder will also mark the module as RENT and REUS, since a higher reusability attribute implies positive values for the lower reusability values. In the previous case, the refreshable module is also reentrant and serially reusable.

### System action

Processing continues, but the binder selects the REUS value.

### User response

Verify the validity of the specified REUS option values.

## Source

Binder

## Module

IEWBDINT  
IEWBABMS  
IEWBABMT

---

|                 |  |
|-----------------|--|
| <b>IEW2253S</b> | <b>PASSED DDNAME LIST CONTAINS THE FOLLOWING INVALID FILE NAME <i>file-name</i>.</b> |
|-----------------|--|

## Explanation

The specified file name, passed on a STARTD request, is not one of the standard binder file names.

## System action

Processing continues, but a dialog will not be started.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDINT

---

|                 |   |
|-----------------|---|
| <b>IEW2254S</b> | <b>PASSED EXIT LIST CONTAINS THE FOLLOWING INVALID EXIT NAME: <i>exit-name</i>.</b> |
|-----------------|---|

## Explanation

The exit name is not one of the exit names used by the binder.

## System action

Processing continues, but a dialog will not be started.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2255S</b> | <b>PASSED OPTION LIST CONTAINS THE FOLLOWING INVALID OPTION COUNT <i>number</i>.</b> |
|-----------------|--|

## Explanation

Option count is a negative number.

## System action

Processing continues, but a dialog will not be started.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2256S</b> | <b><i>print-level</i> WAS SPECIFIED AS THE PRINT LEVEL, BUT PRINT LEVEL MUST BE 0, 4, 8 OR 12.</b> |
|-----------------|--|

## Explanation

The print level associated with the print exit passed to STARTD has an invalid value.

## System action

Processing continues, but the dialog is not started.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2257E</b> | <b>THE VALUE SPECIFIED FOR WKSPACE IS NOT VALID.</b> |
|-----------------|--|

## Explanation

At least one of the subparameters on the WKSPACE option has an invalid value.

## System action

Default value will be used for WKSPACE.

## User response

Correct the input.

## Source

Binder

## Module

IEWBDINT

---

|                 |  |
|-----------------|--|
| <b>IEW2258S</b> | <b>PARAMETER NUMBER <i>parameter-number</i>, SPECIFIED IN THE <i>exit-name</i> EXIT, IS INCORRECT.</b> |
|-----------------|--|

---

## Explanation

The indicated exit contains a parameter, denoted in the message by its number, which is either unaddressable or represents a value that is not allowed for such exit.

## System action

Processing continues, but the dialog will not be started.

## User response

Review the binder documentation on user exits for the indicated exit and correct the parameter in point. (Refer to the discussion in [z/OS MVS Program Management: Advanced Facilities](#) on using the binder application programming interface.)

## Source

Binder

## Module

IEWBDINT

---

|                 |   |
|-----------------|---|
| <b>IEW2270E</b> | <b>SPECIFICATION OF OPTION <i>option-name</i> IS NOT ALLOWED WHEN WORKMOD INTENT IS ACCESS.</b> |
|-----------------|---|

---

## Explanation

Certain options may not be specified when INTENT is ACCESS, because the module would need to be rebound to make them effective.

## System action

The option value will not be used. Processing continues.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOVAL

---

|                 |  |
|-----------------|--|
| <b>IEW2272E</b> | <b><i>option-name</i> OPTION HAS AN INVALID VALUE OF <i>value</i>.</b> |
|-----------------|--|

---

### Explanation

This is not a valid value for 'option name'.

### System action

Processing continues.

### User response

Correct the input.

### Source

Binder

### Module

IEWBOVAL

---

**IEW2273E****ONLY ONE SUBPARAMETER WAS GIVEN FOR FETCHOPT.**

### Explanation

Values for both PACK and PRIME must be specified when setting the FETCHOPT option.

### System action

Request will not be processed. Processing continues.

### User response

Correct the input.

### Source

Binder

### Module

IEWBOVAL

---

**IEW2274E*****option-name* MAY NOT BE SPECIFIED IN A SETOPT CONTROL STATEMENT OR SETO API CALL.**

### Explanation

The specified option is an environmental option and may not be altered after the binder is started, whether on a SETOPT control statement or on a SETO function call to IEWBIND.

### System action

The option will not be processed.

### User response

Correct the input.

## Source

Binder

## Module

IEWBOVAL

---

|                 |  |
|-----------------|--|
| <b>IEW2275E</b> | <b><i>option-name</i> MAY ONLY BE SPECIFIED WHEN INVOKING A BINDER BATCH ENTRY POINT</b> |
|-----------------|--|

---

## Explanation

The option-name was specified on invocation of the binder using an entry point other than the following valid batch entry points: IEWBLINK, IEWL, LINKEDIT, HEWL, HEWLH096, IEWBLDGO, IEWLDRGO, LOADER, HEWLDRGO, IEWBLOAD, IEWLOADR, HEWLOADR and IEWLOAD.

## System action

The option will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOVAL

---

|                 |   |
|-----------------|---|
| <b>IEW2276E</b> | <b><i>option-name</i> MAY NOT BE SPECIFIED WHEN USING THE BINDER API.</b> |
|-----------------|---|

---

## Explanation

The option name is not valid when invoking the binder API (that is, by using entry point IEWBIND).

## System action

The option will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOLST

---

|                 |  |
|-----------------|--|
| <b>IEW2277E</b> | <b><i>option-name</i> MAY NOT BE SPECIFIED WITHIN AN OPTIONS OR IEWPARMS DATA SET.</b> |
|-----------------|--|

---

## Explanation

This option name cannot be specified in the OPTIONS or IEWPARMS data set because the option name must be processed by the binder before that data set is opened.

## System action

The option will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOLST

---

**IEW2278I** **INVOC/DD PARAMETERS - *parmstring*.**

## Explanation

Displays either the batch parameter string or one record from an options file specified by the OPTIONS option or the IEWPARMS data set. There are four variants of IEW2278I:

- INVOCATION PARAMETERS - *parmstring*
- OPTDD1 PARAMETERS - *parmstring*
- IEWPARMS PARAMETERS - *parmstring*
- INSTALLATION PARAMETERS - *parmstring*

## System action

Processing continues.

## User response

None

## Source

Binder

## Module

IEWBOLST

---

**IEW2290E** **OPTION NAME *option-name* IS NOT THE NAME OF A VALID OPTION.**

## Explanation

The option name is not the name of a valid option. It is ignored.

## System action

Processing continues. An attempt will be made to process the remainder of the options.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOLST, IEWBOVAL

---

**IEW2291E** **ERROR IN OPTION LIST SYNTAX NEAR '*string*'.**

## Explanation

An error was detected while attempting to process the option specifications in the parameter list. The string in error follows the eight characters identified.

## System action

An attempt is made to process the remainder of the list. Processing continues.

## User response

Correct the input.

## Source

Binder

## Module

IEWBOLST

---

**IEW2292E** **OPTION VALUE MISSING OR INVALID FOR OPTION *name*.**

## Explanation

Either:

- An option name which requires a value was used, but no value was given.
- The option specification used syntax indicating that a value would be supplied, but none was given.
- In the case of a few options whose value is never passed to IEWBIND, the value supplied is invalid for this option. Examples: FETCHOPT or FETCHOPT=() or NOCALL= or OPTIONS(INVALIDDD)
- The option specified is a valid option, but is not valid as an option supplied in the options list in an API call. For this last possibility, the option probably can be supplied in the PARMS parameter.

## System action

The option specification is ignored. Processing continues.

## User response

Correct the input.

## Source

Binder



## Module

IEWBOLST

---

**IEW2293W**

**OPTION *name* IS NOT SUPPORTED.**

## Explanation

The option with the specified name is no longer supported.

## System action

The option is ignored. Processing continues.

## User response

Remove option from input stream.

## Source

Binder

---

**IEW2294E**

**OPTIONS OPTION ENCOUNTERED IN OPTIONS FILE *ddname*.**

## Explanation

The OPTIONS option is not allowed inside an options file.

## System action

The OPTIONS option is ignored. Processing continues.

## User response

Remove embedded OPTIONS option.

## Source

Binder

## Module

IEWBOLST

---

**IEW2295E**

**OPTION FILE *file-name* COULD NOT BE OPENED.**

## Explanation

The file specified in the OPTIONS option could not be opened.

## System action

The option specification is ignored. Processing continues.

## User response

Check the data management and JCL specifications for this file.

## Source

Binder

## Module

IEWBOLST

---

**IEW2296W**

**LOADED PROGRAM OPTIONS IGNORED.**

## Explanation

A '/' marking the start of parameters to be passed to a loaded program was found in an option string passed to the binder, but the binder was not invoked via the IEWBLDGO entry point. Loaded program parameters are accepted only on the IEWBLDGO entry point.

## System action

Characters appearing after the '/' are discarded.

## User response

Check input.

## Source

Binder

## Module

IEWBOLST

---

**IEW2300S**

**AN ATTEMPT WAS MADE TO INCLUDE THE FOLLOWING CONTROL STATEMENT INTO A WORKMOD WITH ACCESS INTENT: *control-statement*.**

## Explanation

Control statements may not be included into a workmod whose INTENT is ACCESS.

## System action

The control statement is ignored. Processing continues.

## User response

Correct the input.

## Source

Binder

## Module

IEWBINCL

---

**IEW2301E**

***keyword* CONTROL STATEMENT WAS FOUND DURING AUTOCALL AND WAS NOT PROCESSED.**

## Explanation

Certain control statements may not be included as part of autocall processing. INCLUDE, LIBRARY and NAME are only allowed during the primary input phase.

## System action

Processing continues. The statement is ignored.

## User response

Remove these control statements from autocall libraries.

## Source

Binder

## Module

IEWBINCL

---

|                 |   |
|-----------------|---|
| <b>IEW2302E</b> | <b>THE DATA SET SPECIFIED BY DDNAME <i>ddname</i> COULD NOT BE FOUND, AND THUS HAS NOT BEEN INCLUDED.</b> |
|-----------------|---|

## Explanation

Either no data set has been allocated to the specified ddname or (if the call interface was used) an EPTOKEN was passed but the module was not loaded by the program management loader, or was loaded from linklist.

## System action

The target workmod is unchanged.

## User response

Correct the input.

## Source

Binder

## Module

IEWBINCL

---

|                 |   |
|-----------------|---|
| <b>IEW2303E</b> | <b>MEMBER <i>member-name</i> OF THE DATA SET SPECIFIED BY <i>ddname</i> COULD NOT BE FOUND.</b> |
|-----------------|---|

## Explanation

The data set associated with the specified ddname did not contain the specified member.

## System action

The target workmod is unchanged.

## User response

Correct the input.

## Source

Binder

## Module

IEWBINCL

---

|                 |   |
|-----------------|---|
| <b>IEW2304S</b> | <b>AN ATTEMPT WAS MADE TO MERGE MULTIPLE INPUT SOURCES INTO A WORKMOD WITH ACCESS INTENT.</b> |
|-----------------|---|

---

## Explanation

Only one module may be included into a workmod with INTENT = ACCESS.

## System action

The workmod is reset to the empty state. Processing continues.

## User response

Correct the calling program. Ensure that RESETW or DELETEW and CREATEW calls are made before a second INCLUDE request for a target workmod with INTENT = ACCESS.

## Source

Binder

## Module

IEWBINCL

---

|                 |  |
|-----------------|--|
| <b>IEW2305E</b> | <b>AN INCLUDE LOOP FOR MEMBER <i>member-name</i> FROM <i>ddname</i> HAS BEEN DETECTED.</b> |
|-----------------|--|

---

## Explanation

When processing INCLUDE control statements, a request was received to include the same ddname (or same ddname and member) as that specified in an INCLUDE currently being processed. For example, the message would appear if the binder has not completed the processing of the data set specified by B but finds that B itself contains an INCLUDE B control statement.

## System action

The current INCLUDE will not be processed.

## User response

Correct control statements in the input stream.

## Source

Binder

## Module

IEWBINCL

---

|                 |   |
|-----------------|---|
| <b>IEW2306S</b> | <b>AN ATTEMPT HAS BEEN MADE TO INCLUDE AN OBJECT MODULE INTO A WORKMOD WITH ACCESS INTENT</b> |
|-----------------|---|

---

## Explanation

Object modules may not be included into a workmod with INTENT=ACCESS.

## System action

Processing continues.

## User response

Check that the data set being included is correct.

## Source

Binder

## Module

IEWBINCL

---

**IEW2307E** **CURRENT INPUT MODULE NOT INCLUDED BECAUSE OF INVALID DATA.**

## Explanation

An object module, program object, or load module was structured incorrectly or contained one or more data fields with invalid values.

## System action

The current input module will not be included, but processing continues.

## User response

Check for previous error messages identifying the specific error.

## Source

Binder

## Module

IEWBINCL, IEWBIMOD

---

**IEW2308I** ***section-name* HAS BEEN MERGED.**

## Explanation

The identified section has been included into workmod.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBIMOD

---

**IEW2309E** THE MODULE SPECIFIED BY DCBPTR *dcbptr* COULD NOT BE FOUND.

## Explanation

The module associated with the specified DCBPTR and its accompanying DEPTR on an INCLUDE function call could not be found.

## System action

The target workmod is unchanged.

## User response

Check the calling program and ensure that DCBPTR and DEPTR are being passed correctly.

## Source

Binder

## Module

IEWBINCL

---

**IEW2310E** THE MODULE SPECIFIED BY EPTOKEN *eptoken* COULD NOT BE FOUND.

## Explanation

An eptoken was passed but either it was not valid or the module was loaded from linklist or was not loaded by the program management loader.

## System action

The target workmod is unchanged.

## User response

Check JCL or calling program and ensure that the EPTOKEN is correct and that the module was loaded by the program management loader and is not in linklist.

## Source

Binder

## Module

IEWBINCL

---

**IEW2311E** A NAME STATEMENT FOR MEMBER *member-name* WAS FOUND IN SECONDARY INPUT.

## Explanation

NAME control statements are not valid in files included by an INCLUDE control statement.

## System action

Processing continues. Name statement will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBICCQ

---

|                 |  |
|-----------------|--|
| <b>IEW2312E</b> | <b>SECTION <i>section-name</i> SYSTEM LE ATTRIBUTE IS NOT COMPATIBLE WITH MODULE CONTENTS.</b> |
|-----------------|--|

## Explanation

All sections in a module must have the same LE attribute. The attribute in the section named does not match that of the first non-binder-generated section processed on input.

## System action

The current input module will be discarded.

## User response

Correct source, recompile, and relink.

## Source

Binder

## Module

IEWBIMOD

---

|                 |  |
|-----------------|--|
| <b>IEW2313E</b> | <b>NO TARGET LIBRARY HAS BEEN DEFINED FOR MODULE <i>member-name</i>.</b> |
|-----------------|--|

## Explanation

A NAME statement has been found, but no target library (MODLIB) was specified.

## System action

NAME statement will not be processed.

## User response

If using the batch interface, ensure that a NAME control statement is only used with the IEWBLINK entry point. If using the call interface, check that a ddname for MODLIB has been specified.

## Source

Binder

## Module

IEWBICCQ

---

**IEW2314W**

**keyword IMMED WAS FOUND DURING AUTOCALL AND WAS NOT PROCESSED.**

## Explanation

REPLACE -IMMED and CHANGE -IMMED are not allowed during autocall processing.

## Source

Binder

---

**IEW2315E**

**IDENTIFY DATA COULD NOT BE ADDED TO *section-name* BECAUSE THE SECTION DOES NOT EXIST.**

## Explanation

The target section of an IDENTIFY control statement is not in workmod. The section must be included into workmod before identify data can be added.

## System action

Workmod is unchanged.

## User response

Check that the correct section was specified on the IDENTIFY statement and, if so, that the statement is positioned after the point at which the section would be included.

## Source

Binder

## Module

IEWBICCQ

---

**IEW2321E**

**EXPECTED CONTROL STATEMENT CONTINUATION WAS NOT FOUND.**

## Explanation

The control statement ended with a comma, but there was no further input, or the next input was a blank line, or the next input was not a control statement.

## System action

Control statement will not be processed.

## User response

Correct control statement in error.



**Source**

Binder

**Module**

IEWBICCQ

---

**IEW2322I** *sequence-number record***Explanation**

Display of an included control statement. This message is printed only if the LIST option is set to STMT, SUMMARY or ALL.

**System action**

Processing continues.

**User response**

None.

**Source**

Binder

**Module**

IEWBICSI

---

**IEW2325E** **UNMATCHED QUOTE IN CURRENT CONTROL STATEMENT STREAM.****Explanation**

A quotation mark was found, and the input stream was scanned until non-control statement input or end-of-file was encountered, but no matching quotation mark was found.

**System action**

Control statement(s) after the unmatched quotation mark will not be processed.

**User response**

Check control statement input.

**Source**

Binder

**Module**

IEWBICSI

---

**IEW2326E** **THE FIRST CHARACTER OF THE FOLLOWING RECORD IS NOT VALID:  
*record.***

## Explanation

While processing a data set which is expected to contain only object modules and control statements, a record was found which doesn't begin with either a blank or an asterisk, and is not part of an object module.

## System action

Current record is not processed.

## User response

Check control statement input.

## Source

Binder

## Module

IEWBICSI

---

|                 |  |
|-----------------|--|
| <b>IEW2327E</b> | <b>INVALID <i>control-statement-operand</i> VALUE <i>value</i> FOUND IN <i>statement-name</i> CONTROL STATEMENT.</b> |
|-----------------|--|

## Explanation

The value passed for the indicated operand on a control statement is not valid.

## System action

Control statement will not be processed.

## User response

Correct control statement.

## Source

Binder

## Module

IEWBICPA

---

|                 |  |
|-----------------|--|
| <b>IEW2328E</b> | <b>INVALID CONTROL STATEMENT KEYWORD <i>keyword</i>.</b> |
|-----------------|--|

## Explanation

Specified keyword is not the name of a valid control statement.

## System action

Control statement will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBICPA

---

**IEW2330W**

**HIARCHY CONTROL STATEMENT IS NOT SUPPORTED.**

## Explanation

The HIARCHY control statement is obsolete and will be ignored.

## System action

The control statement is ignored. Processing continues.

## User response

Remove the HIARCHY control statement.

## Source

Binder

## Module

IEWBICPA

---

**IEW2332E**

**CONTROL STATEMENT SYNTAX ERROR NEAR '*string*'.**

## Explanation

Invalid syntax was found while trying to process a control statement. The type of control statement could not be determined, but the last token processed is indicated in the message.

## System action

The current control statement will not be processed.

## User response

Correct the input.

## Source

Binder

## Module

IEWBICPA

---

**IEW2333E**

**INVALID SYNTAX IN *keyword* CONTROL STATEMENT NEAR '*string*'.**

## Explanation

A syntax error was found while processing a control statement of the type indicated by *keyword*. The last characters processed are indicated in *string*.

## System action

The processing of the current control statement terminates. Processing continues with the next control statement.

## User response

Correct the input.

## Source

Binder

## Module

IEWBICPA

---

|          |   |
|----------|---|
| IEW2335E | THE LENGTH OF IDENTIFY DATA BEGINNING ' <i>string</i> ' IS GREATER THAN THE MAXIMUM ALLOWED LENGTH. |
|----------|---|

---

## Explanation

There were more than 80 bytes of IDENTIFY data beginning with the specified '*string*'.

## System action

IDENTIFY data will not be added to workmod.

## User response

Correct the IDENTIFY control statement.

## Source

Binder

## Module

IEWBICPB

---

|          |  |
|----------|--|
| IEW2336I | SYMTIME: SYMBOL <i>symbol</i> OF TYPE <i>symboltype</i> IS EXPECTED TO BE IMPORTED FROM DLL <i>dllname</i> . |
|----------|--|

---

## Explanation

The traced symbol, whose type is given by *symboltype* (code,data,code64,data64), will be imported from a DLL identified by *dllname* as requested by an IMPORT request(control statement IMPORT/ API call IMPORT/IMPORT record from PM4 or higher).

## System action

N/A

## User response

N/A

**Source**

Binder

**Module**

N/A

---

**IEW2337I**

**SYMTRACE: SYMBOL *symbol* OF TYPE *symboltype* CAN NOT BE IMPORTED FROM DLL *dllname* BECAUSE THE VALUE OF OPTION DYNAM IS NO.**

**Explanation**

The traced symbol, whose type is given by *symboltype* (code,data,code64,data64), will not be imported from a DLL identified by *dllname* as requested by an IMPORT request because binder option DYNAM's value is NO.

**System action**

N/A

**User response**

N/A

**Source**

Binder

**Module**

N/A

---

**IEW2338E**

***keyword* CONTROL STATEMENT CONTAINS A MEMBER OR ALIAS NAME WHOSE FIRST CHARACTER IS A BLANK.**

**Explanation**

Member or alias name on a control statement (such as INCLUDE or NAME) may not contain blanks.

**System action**

Processing of current control statement is terminated.

**User response**

Correct the input.

**Source**

Binder

**Module**

IEWBICPA, IEWBICPB

---

**IEW2339S**

**THE DATA SET SPECIFIED BY DDNAME *ddname* IS AN ARCHIVE FILE.**

## Explanation

The DDNAME specified on an INCLUDE control statement indicates an archive file. Archive files are only supported for Autocall.

## System action

Processing of control statement is terminated.

## User response

Correct the input.

## Source

Binder

## Module

IEWBINCL

---

|                 |  |
|-----------------|--|
| <b>IEW2340I</b> | <b>MEMBER NAME <i>member</i> IN THE LIBRARY DEFINED BY DDNAME <i>ddname</i> IS BEING INCLUDED TO RESOLVE REFERENCE TO <i>symbol</i>.</b> |
|-----------------|--|

---

## Explanation

Binder has found required symbol in the library member during the autocall process. This message is only issued if the LIST=ALL binder option is in effect.

## System action

Processing continues.

## User response

No action is required. This message is intended to assist in the determination of the member name used to resolve a symbol during autocall. It is particularly useful with archive libraries and C370LIB object libraries where the member name is typically different from the symbol name(s) that member contains. It is also useful in conjunction with message IEW2308I that shows the section name(s) contained in the included member.

This message provides the same information reported in message IEW2497W, which is issued in the case where a symbol is unresolved after including a particular member.

## Source

Binder

## Module

IEWBINCL

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|                 |  |
|-----------------|--|
| <b>IEW2341E</b> | <b>SYMBOL <i>symbol</i> IS RESERVED BY BINDER.</b> |
|-----------------|--|

---

## Explanation

On CHANGE and REPLACE control statements, symbols of the format \$PRIVxxxxxx are used to represent symbol names xxxxxx, where xxxxxx is the hexadecimal representation of a symbol name which is a fullword (4 byte) binary integer. Symbols with names in the range of \$PRIV000000 - \$PRIV00000F are reserved for binder and may not be changed, replaced, or deleted.

**System action**

Processing of the current control statement is terminated.

**User response**

Specify a symbol name that is not reserved for binder use only.

**Source**

Binder

**Module**

IEWBICPB

---

|                 |  |
|-----------------|--|
| <b>IEW2342E</b> | <b>SOME OF THE PASSED COMPILE UNIT NUMBERS DO NOT EXIST IN THE MODULE. DATA FOR VALID COMPILE UNITS IS RETURNED.</b> |
|-----------------|--|

**Explanation**

In GETC API, some of the passed compile unit numbers do not exist in the module. The invalid compile unit number is skipped and data for valid compile units is returned.

**System action**

Processing continues.

**User response**

Check the compile unit list in the GETC call, and remove any compile unit numbers that are not valid. Alternatively, you can omit the compile unit list parameter when calling GETC API. If you omit the compile unit list parameter, one record of each of all compile units will be returned.

**Source**

Binder

**Module**

IEWBFGCT

---

|                 |  |
|-----------------|--|
| <b>IEW2343E</b> | <b>SECTION <i>section-name</i> CONTAINS AN INVALID RESIDENT VALUE IN ESD OF TYPE = <i>esdtype</i>.</b> |
|-----------------|--|

**Explanation**

The ESD resident name is not the same as the section containing the ESD.

**System action**

The input load module or program object containing this section will not be added to workmod.

**User response**

The input load module or program object containing this section is corrupted. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2344E</b> | <b>TEXT BUFFER FOR SECTION <i>section-name</i> AND CLASS <i>class-name</i> ATTEMPTED TO INITIALIZE UNDEFINED PART <i>part-name</i>.</b> |
|-----------------|---|

---

## Explanation

PUTD buffer specified initialization data for an external data item not known to the binder. A PR ESD entry must be received before part initialization can take place.

## System action

Workmod is unchanged. Buffer has been discarded.

## User response

Supply a 'PR' type ESD record for this part within the appropriate section.

## Source

Binder

## Module

IEWBFRIN

---

|                 |   |
|-----------------|---|
| <b>IEW2345E</b> | <b>THE MRG CLASS <i>class-name</i> IN <i>section-name</i> IS NOT DEFINED AS TEXT.</b> |
|-----------------|---|

---

## Explanation

The current input module contains an invalid ESD record. An ED ESD record was encountered which defined the element as external data (MRG class), which is inconsistent with information in ESD\_BIND\_FLAGS or ESD\_RECORD\_FMT. MRG classes can only contain text, which must be defined as byte stream (ESD\_RECORD\_FMT=1), fixed length and text.

## System action

The input load module or program object containing this section will not be added to the workmod.

## User response

The input module is invalid. Obtain another copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |  |
|-----------------|--|
| <b>IEW2346E</b> | <b>THE FORMAT OF PART-INITIALIZATION DATA FOR CLASS <i>class-name</i> IN SECTION <i>section-name</i> IS INCORRECT.</b> |
|-----------------|--|

---



**Explanation**

An input buffer specified on a PUTD binder API call contained initial text for a class designated as external data (MRG). The text, however, was not in the varying-length format required for part initialization data and cannot be used.

**System action**

Temporary module is discarded.

**User response**

Ensure that initialization data for all external data classes is in the required varying-length record format, and that the ENTRY\_LENGTH in the buffer header is set to zero.

**Source**

Binder

**Module**

IEWBFRIN

---

|          |   |
|----------|---|
| IEW2347E | INITIAL TEXT NOT SUPPORTED FOR MERGE CLASSES IN THIS RELEASE. |
|----------|---|

**Explanation**

A GOFF module, or an input buffer specified on a PUTD binder API call, contained initial text for a class designated as external data (MRG). This function is not supported in this release.

**System action**

Temporary module is discarded.

**User response**

Ensure that initialization data for all text classes is designated catenate. This is specified in the ED record in the ESD defining the text class.

**Source**

Binder

**Module**

IEWBFRIN, IEWBXGOF

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|          |   |
|----------|---|
| IEW2348W | GETE FOUND NO DATA MEETING SUPPLIED SELECTION CRITERIA. |
|----------|---|

**Explanation**

No ESD records in workmod met the selection criteria.

**System action**

No data is returned in the buffer.

## User response

Correct invalid options if necessary.

## Source

Binder

## Module

IEWBFESD

---

|                 |  |
|-----------------|--|
| <b>IEW2350E</b> | <b>SECTION <i>section-name</i> CONTAINS AN RLD FOR AN ADCON WHOSE LOCATION IS OUTSIDE THE SECTION. CLASS NAME = <i>class-name</i>, ELEMENT OFFSET = <i>adcon-offset</i>.</b> |
|-----------------|--|

## Explanation

The designated section contains invalid data. An RLD entry in the section contains an adcon offset which is not in the range of the element.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is corrupted. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2351E</b> | <b>SECTION <i>section-name</i> CONTAINS A SYMBOL DEFINITION FOR A SYMBOL OUTSIDE THE BOUNDS OF THE ELEMENT. CLASS NAME = <i>class-name</i>, ELEMENT OFFSET = <i>element offset</i>.</b> |
|-----------------|---|

## Explanation

The designated section contains invalid data. The offset of a symbol within the element is greater than the length of the symbol's containing element.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is corrupted. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |  |
|-----------------|--|
| <b>IEW2352E</b> | <b>SECTION <i>section-name</i> CONTAINS AN ESD RECORD WITH AN INVALID ESD TYPE OF <i>ESD-type</i>.</b> |
|-----------------|--|

---

## Explanation

The designated section contains invalid data. An ESD record does not contain a valid ESD type.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

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|                 |  |
|-----------------|--|
| <b>IEW2353E</b> | <b>SECTION <i>section-name</i> CONTAINS INVALID DATA. ERROR CODE IS <i>error-code</i>.</b> |
|-----------------|--|

---

## Explanation

The Section specified contains invalid data. Error code meanings follow:

- 250001 - Invalid RLD target class (Resident class is initial load and target is deferred load class, or Source and target classes are deferred classes, but not the same class).
- 250002 - Invalid RLD Loader Token. Token must be 8 bytes in length, and RLD class offset must be double-word aligned.
- 250003 - Section contains an ESD record that is not a SD or ED, and its namespace value is greater than the maximum allowed(7).
- 250004 - Invalid ESD PR record. A Part was marked as both a definition and an indirect reference.
- 250005 - Invalid ESD PR record. A Part must not be in namespace 1.
- 250006 - The namespace in an LD record does not match the namespace in its containing ED.
- 250007 - The associated data for an LD record does not designate an ESD record of type ED, LD, or PR.
- 250008 - RLD contains an invalid length field. Supported lengths are 2, 3, 4, and 8, where 8 is allowed only for type loader token.
- 250009 - The namespace in an ED record is not valid. It must be greater than 1 and less than 100.
- 25000A - The alignment field on an ED record is not set to a valid value. The alignment field on an ED record is not set to a valid value. Valid values are byte (B'00000') through page (B'01100') inclusive.
- 25000B - The associated data for an LD record was not defined in the module containing the LD.
- 25000C - Part (PR) is marked as being a descriptor, XPLINK, and data.
- 25000D - Target of an XPLINK byname descriptor is not of ESD type LD, ER, or PR.
- 25000E - Alignment of a PR greater than that of containing ED definition and an indirect reference.
- 25000F - An adcon resident in a part extends beyond the end.

- 250010 - The PR or PD ESD record has a negative length.
- 250011 - The ED ESD record has a negative length.
- 250012 - The ER ESD record for an imported symbol indicates that it is a reference to a linkage descriptor, but the PR ESD record that represents the descriptor was not found.

### System action

The input load module or program object containing this section will not be added to workmod.

### User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or rebuild the module.

### Source

Binder

### Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2354E</b> | <b>SECTION <i>section-name</i> DOES NOT CONTAIN AN ESD RECORD OF TYPE SD.</b> |
|-----------------|---|

---

### Explanation

There is no section definition ESD record for this section.

### System action

The input load module or program object containing this section will not be added to workmod.

### User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

### Source

Binder

### Module

IEWBFVER

---

|                 |  |
|-----------------|--|
| <b>IEW2355E</b> | <b>SECTION <i>section-name</i> DOES NOT CONTAIN ANY ESD RECORDS.</b> |
|-----------------|--|

---

### Explanation

The designated section contains invalid data. It must contain at least one ESD record (the SD record).

### System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2356E</b> | <b>CLASS <i>class-name</i> IN SECTION <i>section-name</i> CONTAINS TEXT DATA OUTSIDE THE BOUNDS OF THE ELEMENT. TEXT LENGTH = <i>text-length</i>, ESD TEXT LENGTH = <i>esd-text-length</i>.</b> |
|-----------------|---|

## Explanation

The TEXT for this section is longer than the section length in the ESD for this section. Note: The ESD length appearing in the message has been rounded up to a multiple of eight bytes.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2357E</b> | <b>SECTION <i>section-name</i> CONTAINS AN RLD RECORD WHOSE TARGET IS NOT VALID. THE ADCON IS LOCATED AT OFFSET <i>adcon-offset</i> IN CLASS <i>class-name</i>.</b> |
|-----------------|---|

## Explanation

An RLD target is either zero, or not a valid symbol ID.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is corrupted. Either obtain a valid copy or recreate the module from the source code. For more information on RLD fields, refer to the [\*z/OS MVS Program Management: User's Guide and Reference\*](#) on using the binder application programming interface, specifically the object module and binder API formats.

## Source

Binder

## Module

IEWBFVER

---

**IEW2358E**

**SECTION *section-name* CONTAINS AN RLD RECORD MARKED AS RESOLVED BUT THE TARGET NAME IS NOT DEFINED. THE ADCON IS LOCATED AT OFFSET *adcon-offset* IN CLASS *class-name*.**

## Explanation

An RLD indicates that the adcon is resolved, but the target name specifies an unresolved symbol.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

**IEW2359E**

**SECTION *section-name* CONTAINS AN RLD WITH AN INVALID ADCON LOCATION. CLASS = *class\_name*, ELEMENT OFFSET = *element-offset*.**

## Explanation

An RLD contains, for its associated adcon, an offset outside the limits of the indicated class in its containing section.

## System action

The input load module or program object containing this section will not be added to workmod.

## User response

The input load module or program object containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBFVER

---

**IEW2360W**

**GETE FOUND NO ESD RECORDS IN THE TARGET WORKMOD.**

## Explanation

There are no ESD entries in the target workmod. No data was returned in the user buffer.

## System action

Processing continues.

## User response

Ensure that modules were included into the workmod. Check for other error messages.

## Source

Binder

## Module

IEWBFESD

---

|                 |   |
|-----------------|---|
| <b>IEW2361E</b> | <b>TEXT CLASS SPECIFIED ON GETE REQUEST DOES NOT EXIST IN MODULE.</b> |
|-----------------|---|

## Explanation

The class specified does not appear in the module.

## System action

No records were returned in the user buffer.

## User response

Verify the text class name on the function call. Modify the specified class name, if necessary, or define the target class in the ESD.

## Source

Binder

## Module

IEWBFESD

---

|                 |  |
|-----------------|--|
| <b>IEW2362W</b> | <b>THE SPECIFIED GETE OFFSET WAS GREATER THAN THE LENGTH OF THE ELEMENT. ELEMENT LENGTH = <i>section-length</i>.</b> |
|-----------------|--|

## Explanation

The offset specified is beyond the limits of the element.

## System action

No data is returned in the buffer.

## User response

Correct the section offset supplied in the call.

## Source

Binder

## Module

IEWBFESD

---

**IEW2363W**

**THE SPECIFIED GETE OFFSET IS GREATER THAN THE CLASS LENGTH.  
CLASS LENGTH = *class-length*.**

## Explanation

The offset specified is beyond the limits of the class.

## System action

No data is returned in the buffer.

## User response

Determine why section offset specified is invalid.

## Source

Binder

## Module

IEWBFESD

---

**IEW2364W**

**GETE COULD NOT FIND THE DEFAULT TEXT CLASS.**

## Explanation

OFFSET or SYMBOL was specified as a parameter on a GETE API call, but no text class was specified, and the default text class (B\_TEXT) did not exist.

## System action

No data is returned in the buffer.

## User response

Ensure that the text class is specified.

## Source

Binder

## Module

IEWBFESD

---

**IEW2365W**

**GETE COULD NOT FIND THE SPECIFIED SECTION.**

## Explanation

User-specified section does not exist in workmod.



**System action**

No data is returned in the buffer.

**User response**

Correct section name supplied.

**Source**

Binder

**Module**

IEWBFESD

---

|                 |   |
|-----------------|---|
| <b>IEW2366W</b> | <b>GETE COULD NOT FIND THE SPECIFIED SYMBOL = <i>symbol-name</i>.</b> |
|-----------------|---|

**Explanation**

The specified symbol does not exist in the workmod.

**System action**

No data is returned in the buffer.

**User response**

Check section name supplied.

**Source**

Binder

**Module**

IEWBFESD

---

|                 |   |
|-----------------|---|
| <b>IEW2367W</b> | <b>GETE COULD NOT FIND AN ESD RECORD OF THE REQUESTED TYPE AT THE SPECIFIED OFFSET.</b> |
|-----------------|---|

**Explanation**

There is no symbol of the specified type at the user-specified offset.

**System action**

No data is returned in the buffer.

**User response**

Verify validity of offset/symbol combination.

**Source**

Binder

## Module

IEWBFESD

---

**IEW2368W**

**GETN COULD NOT FIND ANY NAMES IN THE MODULE.**

## Explanation

The module contains no class names or no section names.

## System action

No data is returned in the buffer.

## User response

Make sure NTYPE specifies C or S and that is what you want.

## Source

Binder

## Module

IEWBFGET

---

**IEW2369W**

**THE SPECIFIED GETN CURSOR IS GREATER THAN THE NUMBER OF NAMES IN THE MODULE.**

## Explanation

The start position specified is beyond the limits of the data.

## System action

No data is returned in the buffer.

## User response

Ensure start position is in the range of total names in module.

## Source

Binder

## Module

IEWBFGET

---

**IEW2370W**

**NO DATA EXISTS FOR CLASS = *class-name* AND SECTION = *section-name*.**

## Explanation

The specified CLASS and SECTION were not found.

## System action

No data is returned in the buffer.

## User response

Check class/section names to ensure they are specified correctly.

## Source

Binder

## Module

IEWBFGIT

---

|                 |  |
|-----------------|--|
| <b>IEW2371W</b> | <b>GETD FOUND NO DATA FOR CLASS <i>class-name</i>.</b> |
|-----------------|--|

## Explanation

The class specified by the user is empty (contains no data).

## System action

No data is returned in the buffer.

## User response

Check class name used.

## Source

Binder

## Module

IEWBFGIT

---

|                 |   |
|-----------------|---|
| <b>IEW2372E</b> | <b><i>name_type</i> BEGINNING <i>name_64</i> EXCEEDS ALLOWABLE LENGTH FOR EXTERNAL SYMBOLS.</b> |
|-----------------|---|

## Explanation

The length of a symbol name in a PUTD buffer exceeds the allowable length implied by the COMPAT option.

## System action

The data in the buffer will not be added to workmod.

## User response

Check if COMPAT option was used. COMPAT options of LKED or PM1 restrict symbols to 64 bytes in length. Also check lengths used in defining names in the call interface buffers.

## Source

Binder

## Module

IEWBFRIN

---

|                 |   |
|-----------------|---|
| <b>IEW2373E</b> | <b>PROGRAM OBJECT CONTAINS DATA THAT CAN NOT BE RETURNED IN A VERSION 1 BUFFER.</b> |
|-----------------|---|

## Explanation

The module contains data not supported by version 1 buffer formats.

## System action

Request not processed. No records were returned in the buffer.

## User response

Modify your program to specify version 2 or 3 on all IEWBUFF and IEWBIND macro invocations, if processing version 2 or 3 program objects.

## Source

Binder

## Module

IEWBFESD, IEWBFGIT

---

**IEW2374E** **THE *field-name* NAME *symbol-name* PASSED TO PUTD WAS NOT VALID.**

## Explanation

An RLD entry in a buffer passed on a PUTD API call contains invalid data. Either RLD\_RESIDENT\_CHARS is larger than 32767 or the name pointed to by RLD\_RESIDENT\_PTR contains invalid characters.

## System action

The data from the buffer is not put into the target workmod.

## User response

Check PUTD buffer for validity, especially resident name specified.

## Source

Binder

## Module

IEWBFRIN

---

**IEW2375S** **THE CLASS WAS NOT A TEXT CLASS.**

## Explanation

This condition may occur because the user did not pass text class for adcons relocation.

## System action

Relocation processing terminates.

## User response

Check the class type in the GETD call. Change the CLASS name parameter to a text class.

## Source

Binder

## Module

IEWBFGIT

---

|                 |   |
|-----------------|---|
| <b>IEW2376E</b> | <b>PUTD BUFFER FOR <i>class-name</i> HAS AN INVALID VALUE OF <i>field-contents</i> FOR <i>field-name</i>.</b> |
|-----------------|---|

---

## Explanation

PUTD buffer contains bad data.

## System action

The data from the buffer is not put into the target workmod.

## User response

Check PUTD buffer for validity, especially field name specified. 'Field-contents' is the bad value.

## Source

Binder

## Module

IEWBFRIN

---

|                 |   |
|-----------------|---|
| <b>IEW2377W</b> | <b>GETC COULD NOT FIND ANY NAMES IN THE MODULE.</b> |
|-----------------|---|

---

## Explanation

The module contains no section names.

## System action

No data is returned in the buffer.

## User response

Ensure the module contains section names.

## Source

Binder

## Module

IEWBFGCT

---

|                 |   |
|-----------------|---|
| <b>IEW2378W</b> | <b>THE SPECIFIED GETC CURSOR IS GREATER THAN THE NUMBER OF NAMES IN THE MODULE.</b> |
|-----------------|---|

---

## Explanation

The start position specified is beyond the limits of the data.

## System action

No data is returned in the buffer.

## User response

Ensure start position is in the range of total names in module.

## Source

Binder

## Module

IEWBFGCT

---

**IEW2379S** **BAD CURSOR FOR B\_PARTINIT. PROCESSING STOPPED.**

## Explanation

Binder encountered a bad cursor for class B\_PARTINIT and processing has been stopped.

## Source

Binder

## Module

IEWBFGIT

---

**IEW2380E** **SECTION *section-name* HAS NO SECTION DEFINITION ESD ENTRY.**

## Explanation

The ESD entry corresponding to the section name is not a section definition type (that is, SD, CM, ST, or ET). This is required for a valid section.

## System action

The current input module will be discarded. It will not be added to the target workmod.

## User response

Check input module or data buffer. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBFMOD

---

**IEW2381E** **SECTION *section-name* HAS NO ESD ENTRIES.**

## Explanation

A section in workmod contained no ESD entries. To be valid, each section is required to contain at least a section definition ESD entry.

## System action

The current input module will be discarded. It will not be added to the target workmod.

## User response

Check input module or data buffer. It contains invalid data and may need to be recreated

## Source

Binder

## Module

IEWBFMOD

---

|                 |   |
|-----------------|---|
| <b>IEW2383E</b> | <b>THE ESD SD NAME IN BUFFER OF PUTD CALL DOES NOT MATCH<br/>SECTION NAME <i>section-name2</i>.</b> |
|-----------------|---|

---

## Explanation

An ESD record of type SD or CM is in the input buffer, but the section name in the ESD record is not the same as the section name passed on the PUTD call.

## System action

Workmod is unchanged.

## User response

Correct the ESD record in the data buffer which was passed to the binder.

## Source

Binder

## Module

IEWBFPUT, IEWBFCFY, IEWBFCP2

---

|                 |  |
|-----------------|--|
| <b>IEW2384E</b> | <b>SECTION <i>section-name</i> ON PUTD CALL WAS NOT VALID.</b> |
|-----------------|--|

---

## Explanation

Section name supplied begins with a X'00'.

## System action

Workmod is unchanged.

## User response

Correct the section name in the data buffer which was passed to the binder.

## Source

Binder

## Module

IEWBFPUT

---

|                 |   |
|-----------------|---|
| <b>IEW2385E</b> | <b>PUTD FOR SECTION <i>section-name</i> CONTAINS A DOUBLY-DEFINED SYMBOL.</b> |
|-----------------|---|

---

## Explanation

The section whose name is provided contains an ESD symbol definition entry for a symbol which was already defined.

## System action

Workmod is unchanged.

## User response

Correct contents of the data buffer which was passed to the binder

## Source

Binder

## Module

IEWBFPUT, IEWBFCPY, IEWBFCP2

---

|                 |  |
|-----------------|--|
| <b>IEW2386E</b> | <b>PUTD FOR A BLANK SECTION NAME CONTAINS INVALID BUFFER DATA.</b> |
|-----------------|--|

---

## Explanation

Either the first data buffer for this section was not of class ESD, or the first entry in the buffer did not have an ESD\_TYPE of CM or SD.

## System action

Workmod is unchanged.

## User response

Correct contents of the data buffer which was passed to the binder.

## Source

Binder

## Module

IEWBFPUT

---

|                 |   |
|-----------------|---|
| <b>IEW2387E</b> | <b>PUTD FOR UNDEFINED CLASS <i>class-name</i> WAS REJECTED.</b> |
|-----------------|---|

---

## Explanation

Non-binder-defined classes must be described by an 'ED' type ESD record. The specified class was not previously defined.



## System action

Workmod is unchanged.

## User response

Provide appropriate 'ED' type ESD for failing class.

## Source

Binder

## Module

IEWBFPUT, IEWBFRIN

---

**IEW2388E**

**PUTD BUFFER HEADER FOR CLASS *class-name* CONTAINS ENTRY LENGTH *entry-length*, BUT RECORD LENGTH IN ESD (ED) RECORD SPECIFIED *class-length*.**

## Explanation

Non-binder-defined classes must be described by an 'ED' type ESD record. The record length specified in this record conflicts with the buffer header entry length.

## System action

Workmod is unchanged.

## User response

Modify either the 'ED' type ESD or the buffer entry length so that they are in agreement.

## Source

Binder

## Module

IEWBFPUT, IEWBFRIN

---

**IEW2389E**

**MAP CLASS DATA IMPROPERLY LINKED.**

## Explanation

Binder map class contains improperly linked records. The error was detected when restoring a module using the program management transport utility, IEWTPORT.

## System action

Workmod is unchanged.

## User response

Recreate the original module and rerun the transport utility.

## Source

Binder

## Module

IEWBFCP2

---

|                 |   |
|-----------------|---|
| <b>IEW2390E</b> | <b>PART NAME <i>part-name</i> PROVIDED FOR ADCON IN CATENATE CLASS <i>class-name</i>.</b> |
|-----------------|---|

---

## Explanation

An RLD entry indicates that the address constant is contained in a part. However, catenate classes do not support parts.

## System action

The current input module will be discarded. It will not be added to workmod.

## User response

Correct the program creating the RLD record and rerun the job.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2391E</b> | <b>PART NAME NOT PROVIDED FOR ADCON IN MERGE CLASS <i>class-name</i>.</b> |
|-----------------|---|

---

## Explanation

An RLD entry indicates that the address constant is contained in a merge class. However, no part name has been provided.

## System action

The current input module will be discarded. It will not be added to the workmod.

## User response

Correct the program creating the RLD record and rerun the job.

## Source

Binder

## Module

IEWBFVER

---

|                 |   |
|-----------------|---|
| <b>IEW2392E</b> | <b>CLASS <i>class-name</i> SPECIFIED ON GETE REQUEST IS NOT A TEXT CLASS.</b> |
|-----------------|---|

---

## Explanation

The class specified has not been defined as a text class in the ESD.

**System action**

No records were returned in the user buffer.

**User response**

Verify the text class name on the function call. Modify the specified class name, if necessary, or redefine the target class as text.

**Source**

Binder

**Module**

IEWBFESD

---

|                 |  |
|-----------------|--|
| <b>IEW2393E</b> | <b>CLASS <i>class-name</i> SPECIFIED OR DEFAULTED ON GETE REQUEST DOES NOT EXIST IN SECTION <i>section-name</i>.</b> |
|-----------------|--|

**Explanation**

The section does not contain the specified or defaulted text class. When no text class is specified a default text class of B\_TEXT is used.

**System action**

No records were returned in the user buffer.

**User response**

Ensure that the text class name specified on the GETE control statement is present in the section.

**Source**

Binder

**Module**

IEWBFESD

---

|                 |   |
|-----------------|---|
| <b>IEW2394E</b> | <b>AN EXPAND REQUEST FOR SECTION <i>section-name</i> AND CLASS <i>class-name</i> COULD NOT BE PROCESSED. THE CLASS DOES NOT EXIST IN THE NAMED SECTION.</b> |
|-----------------|---|

**Explanation**

The class specified has not been defined in the given section. Classes within a section must be defined by an ED ESD record.

**System action**

The expand request will not be processed.

**User response**

Check the binder MAP or run AMBLIST against the input object module to ensure that you have entered the class and section names correctly and that an element exists for the section/class combination.

## Source

Binder

## Module

IEWBEEEXP

---

|                 |  |
|-----------------|--|
| <b>IEW2395E</b> | <b>AN EXPAND REQUEST FOR SECTION <i>section-name</i> SPECIFIED NON-TEXT CLASS <i>class-name</i>.</b> |
|-----------------|--|

---

## Explanation

The class specified has not been designated as a text class in the ESD. Only text classes may be expanded.

## System action

The expand request will not be processed.

## User response

Ensure that the class name specified on the EXPAND control statement or ALTERW API call is a valid text class. The "text" designation can be found in the type ED ESD record which defines the class.

## Source

Binder

## Module

IEWBEEEXP

---

|                 |   |
|-----------------|---|
| <b>IEW2396E</b> | <b>A CHANGE OR REPLACE SYMBOL REQUEST FOR A BLANK NEW NAME HAS BEEN REJECTED.</b> |
|-----------------|---|

---

## Explanation

A symbol name may not be changed to a name that consists entirely of blanks.

## System action

The change or replace request will not be processed.

## User response

Use a non-blank new name.

## Source

Binder

## Module

IEWBEREN, IEWBERPL

---

|                 |   |
|-----------------|---|
| <b>IEW2397W</b> | <b>A REQUEST TO CHANGE OR REPLACE LABEL <i>old-name</i> TO <i>new-name</i> WAS RECEIVED, AND <i>new-name</i> WAS AN EXISTING LABEL.</b> |
|-----------------|---|

---

**Explanation**

'Old name' is defined as a label (entry name). The user requested that the entry name be changed or replaced by 'new name' but 'new name' was already defined as a label.

**System action**

The original definition of new name is deleted. Old name is changed to new name.

**User response**

Check that the result of the system action is what was desired.

**Source**

Binder

**Module**

IEWBEREN

---

|                 |   |
|-----------------|---|
| <b>IEW2398W</b> | <b>A REQUEST TO CHANGE OR REPLACE SECTION <i>old-section-name</i> TO <i>new-section-name</i> WAS RECEIVED, AND <i>new-section-name</i> WAS AN EXISTING SECTION.</b> |
|-----------------|---|

**Explanation**

There was already a section with the same name as 'new section name'.

**System action**

Section new name is deleted. Section old name is renamed to new name.

**User response**

Check that the result of the system action is what was desired.

**Source**

Binder

**Module**

IEWBEREN

---

|                 |   |
|-----------------|---|
| <b>IEW2399W</b> | <b>A REQUEST TO CHANGE OR REPLACE LABEL <i>old-name</i> TO <i>new-name</i> WAS RECEIVED, AND <i>new-name</i> WAS AN EXISTING SECTION.</b> |
|-----------------|---|

**Explanation**

'Old name' is defined as a label (entry name). The user requested that the entry name be changed or replaced by 'new name' and 'new name' was already defined as a section name.

**System action**

The original definition of new name is deleted. Label old name is changed to new name.

## User response

Check that the result of the system action is what was desired.

## Source

Binder

## Module

IEWBEREN

---

|                 |  |
|-----------------|--|
| <b>IEW2400I</b> | <b>A REQUEST TO DELETE CSECT OR SYMBOL <i>symbol-name</i> WAS RECEIVED, BUT THE CSECT OR SYMBOL WAS NOT FOUND.</b> |
|-----------------|--|

## Explanation

The delete request was not processed because the csect or symbol to be deleted did not exist.

## System action

Workmod is unchanged.

## User response

Check to ensure that the correct csect or symbol was specified.

## Source

Binder

## Module

IEWBEDEL

---

|                 |   |
|-----------------|---|
| <b>IEW2401W</b> | <b>A REQUEST TO CHANGE OR REPLACE SECTION <i>old-section-name</i> TO <i>new-section-name</i> WAS RECEIVED, AND <i>new-section-name</i> WAS AN EXISTING LABEL.</b> |
|-----------------|---|

## Explanation

A new name in a change request is already defined as a label (entry name).

## System action

The entry name is deleted (that is, the defining LD ESD entry is deleted), and section 'old name' is renamed to 'new name'.

## User response

Check that the result is what you wanted. To avoid the attention message, delete new name before requesting the change. If this was an error, alter the change request so that new name is not already a defined symbol,

## Source

Binder

## Module

IEWBEREN

---

**IEW2403W**

**A REQUEST TO CHANGE CSECT OR SYMBOL *symbol-name* WAS RECEIVED, BUT THE OLD CSECT OR SYMBOL WAS NOT FOUND.**

## Explanation

A symbol or csect which does not exist cannot be changed.

## System action

Workmod is unchanged.

## User response

Correct the symbol name.

## Source

Binder

## Module

IEWBEREN

---

**IEW2404E**

**EXPAND LENGTH REQUESTED MORE THAN MAXIMUM TEXT SIZE OF 1 GB.**

## Explanation

Expand length is greater than 1 GIG, which is the maximum allowed.

## System action

Workmod is unchanged.

## User response

Reduce expand length to below 1,073,741,824.

## Source

Binder

## Module

IEWBEXP

---

**IEW2405E**

**AN EXPAND REQUEST SPECIFIED CLASS *class-name* WHICH DOES NOT EXIST IN THE MODULE.**

## Explanation

Module does not contain text class specified.

## System action

The expand request will not be processed.

## User response

Ensure the supplied text class name is correct.

## Source

Binder

## Module

IEWBEEEXP

---

|          |   |
|----------|---|
| IEW2406W | A REQUEST TO REPLACE <i>symbol-name</i> WAS RECEIVED, BUT THE OLD SYMBOL WAS NOT FOUND. |
|----------|---|

## Explanation

A symbol which does not exist cannot be replaced.

## System action

Processing continues.

## User response

Supply a correct symbol name.

## Source

Binder

## Module

IEWBERPL

---

|          |  |
|----------|--|
| IEW2407E | A REQUEST TO EXPAND SECTION <i>section-name</i> WAS RECEIVED, BUT THE SECTION WAS NOT FOUND. |
|----------|--|

## Explanation

An EXPAND request was made for a section which does not exist in the target workmod.

## System action

The expand request will not be processed.

## User response

Ensure that the supplied 'section name' is correct.

## Source

Binder

## Module

IEWBEEEXP

---

|          |  |
|----------|--|
| IEW2408E | A REQUEST TO EXPAND SECTION <i>section-name</i> WAS RECEIVED, BUT THE SYMBOL WAS NOT A CSECT NAME OR A COMMON SECTION. |
|----------|--|



## Explanation

The section is a type which cannot be expanded. For example, binder-generated sections may not be expanded by user requests.

## System action

The expand request will not be processed.

## User response

Ensure that the supplied 'section name' is valid and not a label name.

## Source

Binder

## Module

IEWBEEXP

---

|                 |  |
|-----------------|--|
| <b>IEW2409I</b> | <b>SECTION <i>section-name</i> HAS BEEN EXPANDED BY <i>number</i> BYTES AT OFFSET <i>section-offset</i>.</b> |
|-----------------|--|

## Explanation

EXPAND was successful.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBEEXP

---

|                 |  |
|-----------------|--|
| <b>IEW2410W</b> | <b>COMMON SECTION <i>section-name</i> EXCEEDED SIZE OF CONTROL SECTION WITH IDENTICAL NAME. COMMON SIZE = <i>section-length</i>, CONTROL SECTION SIZE = <i>section-length</i>.</b> |
|-----------------|--|

## Explanation

A named common area has been encountered which is larger than a control section with the same name.

## System action

Control section in workmod will retain its original length.

## User response

None.

## Source

Binder

## Module

IEWBMERG

---

**IEW2411I**

**ELEMENT SPECIFIED BY SECTION *section\_name* AND CLASS *class\_name* HAS BEEN SUCCESSFULLY PURGED.**

## Explanation

A request to purge an element was received, the element has been successfully purged.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBDCAL

---

**IEW2412W**

**AN ALIAS ENTRY REPLACED AN EXISTING ALIAS OF THE SAME NAME.  
ALIAS NAME = *alias-name***

## Explanation

An alias name copied from an included module matched and replaced an alias already in the workmod.

## System action

The new specification replaces the original.

## User response

None.

## Source

Binder

## Module

IEWBMERG

---

**IEW2413I**

**SECTION *section-name* FROM DATASET *dsname* IS A DUPLICATE AND HAS NOT BEEN ADDED.**

### Explanation

The binder always keeps the first section of a given name and discards any duplicates. In most cases, this message reflects normal processing. For example, if a module is relinked in order to replace a section with a newer version of the same section, this message will be issued.

There are cases in which this message is an indication of incorrect input. For example, two unrelated sections may accidentally have been given the same name. Another example is if a WSA data item has multiple definitions. In this case, there will be an input section with the name of the data item for each definition. The first copy seen by the binder will be kept. This may result in erroneous results when the program is executed.

This message is only issued if the LIST=ALL binder option is in effect.

### System action

Section not added to module.

### User response

Ensure that the message is expected.

### Source

Binder

### Module

IEWBMERG

---

|                 |   |
|-----------------|---|
| <b>IEW2414E</b> | <b>A REQUEST TO PURGE ELEMENT WAS RECEIVED, BUT THE ELEMENT SPECIFIED BY SECTION <i>section_name</i> AND CLASS <i>class_name</i> WAS NOT FOUND.</b> |
|-----------------|---|

### Explanation

A request to purge an element was received, the element specified by class name *class\_name* and section name *section\_name* was not found.

### System action

Workmod is unchanged.

### User response

Check to ensure that the correct csect and class symbol were specified.

### Source

Binder

### Module

IEWBDCAL

---

|                 |  |
|-----------------|--|
| <b>IEW2416W</b> | <b>SECTION <i>section-name</i> CONFLICTS WITH AN EXISTING EXTERNAL LABEL OF THE SAME NAME.</b> |
|-----------------|--|

### Explanation

If a label (entry name) exists, it will not be replaced by a section or common area of the same name.

## System action

The section will not be added to workmod.

## User response

None.

## Source

Binder

## Module

IEWBMOVE

---

|                 |   |
|-----------------|---|
| <b>IEW2417I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS REFERENCED IN SECTION <i>sectname</i> IN MEMBER <i>memname</i> IN THE DATA SET IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>number</i> FOR DATA SET NAME <i>dsname</i>. [NAME SPACE = name-space]</b> |
|-----------------|---|

## Explanation

The traced symbol is referenced in a MVS module, This message gives the information of this MVS module (section name, member name, dsname, ddname, concatenation number).

Name space indicates the type of external symbol being referenced, and can have one of these values:

1. Normal external names
2. Pseudo register names
3. Parts (usually external data items such as data items in C writeable static)

Name space will not be printed if its value is 1.

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

|                 |  |
|-----------------|--|
| <b>IEW2418I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS REFERENCED IN SECTION <i>sectname</i> IN MEMBER <i>archive-file-member-name</i> IN THE UNIX FILE <i>pathname</i>. [NAME SPACE = name-space]</b> |
|-----------------|--|

**Explanation**

The traced symbol is referenced in a UNIX module, This message gives the information of this UNIX module (pathname, optional *archive-file-member-name*). If the archive member is not available, '\*NULL\*' will be used for this field. Refer to IEW2417I for name space information.)

**System action**

N/A

**User response**

N/A

**Source**

Binder

**Module**

N/A

---

|                 |  |
|-----------------|--|
| <b>IEW2419I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS DEFINED IN SECTION <i>sectname</i> IN MEMBER <i>memname</i> IN THE DATA SET IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>number</i> FOR DATA SET NAME <i>dsname</i>. [NAME SPACE = name-space]</b> |
|-----------------|--|

**Explanation**

The traced symbol is defined in a MVS module. This message gives the information of this MVS module (section name, member name, dsname, ddname, concatenation number). Refer to IEW2417I for name space information.

**System action**

N/A

**User response**

N/A

**Source**

Binder

**Module**

N/A

---

|                 |   |
|-----------------|---|
| <b>IEW2420I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS DEFINED IN SECTION <i>sectname</i> IN MEMBER <i>archive-file-member-name</i> IN THE UNIX FILE <i>pathname</i>. [NAME SPACE = name-space]</b> |
|-----------------|---|

**Explanation**

The traced symbol is defined in a UNIX module. This message gives the information of this UNIX module (pathname, optional *archive-file-member-name*). Refer to IEW2417I for name space information.

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

|                 |  |
|-----------------|--|
| <b>IEW2421I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> DEFINITION ORIGINALLY CAME FROM MEMBER <i>memname</i> IN THE DATA SET <i>dsname</i>. [NAME SPACE = name-space]</b> |
|-----------------|--|

## Explanation

The traced symbol originally came from a MVS module. When compile unit information is available in a PO(COMPAT is ZOSV1R5 or later), this message gives the information of this MVS module (member name, dsname). Refer to IEW2417I for name space information.

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

|                 |   |
|-----------------|---|
| <b>IEW2422I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> DEFINITION ORIGINALLY CAME FROM MEMBER <i>memname</i> IN THE UNIX FILE <i>pathname</i>. [NAME SPACE = name-space]</b> |
|-----------------|---|

## Explanation

The traced symbol originally came from a UNIX module. When compile unit information is available in a PO(COMPAT is ZOSV1R5 or later), this message gives the information of this USS module(member name, pathname). Refer to IEW2417I for name space information.

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

**IEW2423I**

**SYMTRACE: SYMBOL *symbol* OF TYPE *symboltype* WILL BE IMPORTED FROM DLL *dllname*.**

## Explanation

The traced symbol, whose type is given by *symboltype* (code,data,code64,data64), has been successfully imported from the dll which is specified by IMPORT control statement or API IMPORTMENT.

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

**IEW2424I**

**SYMTRACE: SYMBOL *symbol* OF TYPE *symboltype* CAN NOT BE IMPORTED BECAUSE THE BINDING SCOPE OF ONE OR MORE REFERENCES TO THIS SYMBOL IS NOT IMPORT-EXPORT.**

## Explanation

The traced symbol name *symbol* can not be dynamically resolved because the binding scope of a reference to it is not Import-Export.

The traced symbol name *symbol* can not be dynamically resolved because the binding scope of a reference to it is not Import-Export.

For more information about binding scope refer to [External symbol definition behavioral attributes in z/OS MVS Program Management: Advanced Facilities](#).

## System action

N/A

## User response

In order to have the traced symbol be successfully imported, make sure that the external reference has Import-Export scope. For example, in XL C/C++ object modules it may be necessary to turn on the XL C/C++ DLL option. If dynamic resolution is not wanted then there may be a missing static definition for the traced symbol.

## Source

Binder

## Module

N/A

---

IEW2436W

**ESD ALIGNMENT *align*-ESD CONFLICTS WITH USER-SPECIFIED ALIGNMENT OF *align-user* FOR SECTION *section-name* AND CLASS *class-name*.**

## Explanation

The ESD alignment *align*-ESD specified on an ESD record for a class is more restrictive than user alignment *align-user* specified by the user on a binder control statement or API call. The user specified alignment is typically from an PAGE, ORDER or ALIGNT control statement which specifies section *section-name*, and in the case of ALIGNT optionally specifies class *class-name*.

## System action

The user alignment request will be used for the module being built.

## User response

Ensure that the resulting alignment is acceptable, since the program may have a dependency on the more restrictive ESD alignment.

Because the binder may have made the ESD alignment more restrictive than it was on input:

- If the ESD alignment is PAGE, you may need bind the program specifying COMPAT=CURRENT to eliminate this message.
- If the ESD alignment is 8 and the user alignment is less than 8, you will need to increase the user alignment to 8 or greater to eliminate this message.

## Source

Binder

## Module

IEWBBCAD

---

IEW2437I

**PART *partname* WAS NOT DELETED**

## Explanation

Parts (such as WSA data items) cannot be deleted individually (for example, by using a REPLACE control statement). They can only be deleted as a side effect of the deletion of a section containing the part.

## System action

Processing continues.

## User response

Ensure that this is acceptable and remove or correct the REPLACE control statement or ALTERW Binder API call.

## Source

Binder



## Module

IEWBNAME

---

**IEW2438E**

**INVALID DESCRIPTOR CLASS.**

## Explanation

The binder can build linkage descriptors only in classes C\_WSA, C\_WSA64, or B\_DESCR and all descriptors must be in the same class. An input module contained a part (represented by a PR ESD record with the indirect flag) having some other resident class.

## System action

No linkage descriptors will be built. Processing continues.

## User response

If the source code is in a high-level language, this is likely to be a compiler error. Otherwise, correct the source code by changing the resident class of the part.

## Source

Binder

## Module

IEWBBIPT

---

**IEW2439E**

**THE AMODE OF THE REFERENCING ESD *symbol-name* DOES NOT MATCH THAT SPECIFIED ON THE IMPORT STATEMENT**

## Explanation

When the side-deck is used as input to the bind, any statement not explicitly specifying CODE64 or DATA64 is interpreted as 31-bit (AMODE=31) DLL. This message is issued when an application uses exported symbols from a DLL that is linked, and the AMODE of the referencing ESD does not match the AMODE on the import statement.

## System action

Processing continues.

## User response

Ensure that the AMODE of the referencing ESD matches what is specified on the import statement.

## Source

Binder

## Module

IEWBBIPT

---

**IEW2440E**

**PART DEFINITIONS WITH UNEQUAL LENGTHS EXIST FOR PART *part-name*.**

## Explanation

There are duplicate definitions in the input stream for the part named, and the lengths of the part are not equal.

## System action

The part with the longest length will be used.

## User response

Correct source, recompile, and relink.

## Source

Binder

## Module

IEWBBCDS

---

**IEW2441E** NO LINKAGE DESCRIPTOR FOUND FOR IMPORTED SYMBOL *symbol* .

## Explanation

An import entry cannot be built for the indicated symbol because no linkage descriptor was requested.

## System action

The symbol will not be imported.

## User response

If the application is coded in a high level language, this message probably indicates a compiler error. Otherwise, correct the source code by adding an ER ESD entry for the symbol with the indirect bit. This will cause a descriptor to be built.

## Source

Binder

## Module

IEWBBBIE

---

**IEW2443E** THE LENGTH CONSTANT IN CLASS *class-name* AT OFFSET *adcon-offset* IS OUT OF RANGE FOR THE SYMBOL *ssymbol-name*.

## Explanation

The length of class or part *symbol-name* is too large to be saved in the length constant in class *class-name* at offset *adcon-offset*.

## System action

Either increase the length of the address constant or decrease the size of the class or part symbol- name.

## User response

Correct the input.

## Source

Binder

## Module

IEWBBUPA

---

**IEW2441I**

**MANGLED NAMES EXIST - UNABLE TO ACCESS DEMANGLER**

## Explanation

Mangled names exist, but the binder is unable to access the demangler.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBPAMX

---

**IEW2444W**

**ESD ALIGNMENT *align*-ESD CONFLICTS WITH USER-SPECIFIED ALIGNMENT OF *align2* FOR PART *part-name* DEFINED BY SECTION *section-name* AND CLASS *class-name*.**

## Explanation

The ESD alignment *align*-ESD specified on an ESD record for part *part-name* is more restrictive than the user alignment *align-user* specified by the user on a binder control statement or API call. The user specified alignment is typically from an ALIGN control statement which specifies section *section-name* and class *class-name*.

## System action

The user alignment request will be used for the module being built.

## User response

Ensure that the resulting alignment is acceptable, since the program may have a dependency on the more restrictive ESD alignment.

## Source

Binder

## Module

IEWBBCDS

---

**IEW2445I**

**Symbol *symbol-name* is an unresolved member of a conditional adcon chain.**

## Explanation

The designated symbol is unresolved. It is part of a chain of conditional sequential resolution adcons and at least one member of the chain was resolved.

## System action

The first resolved symbol in the adcon chain will be used. Processing continues.

## User response

This is a normal condition.

## Source

Binder

## Module

IEWBRRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2446I</b> | <b>OPTION LISTPRIV HAS BEEN REQUESTED, AND UNAMED SECTION(S)<br/>EXIST IN CREATED MODULE</b> |
|-----------------|--|

## Explanation

Option LISTPRIV(INFORM) was specified and one or more unnamed csect(s) exist in this 3525 bind. See the UNAMED SECTIONS report in SYSPRINT for additional 3526 information.

## System action

Processing continues.

## User response

Determine if output program object should be used.

## Source

Binder

## Module

IEWBPAMX

---

|                 |   |
|-----------------|---|
| <b>IEW2447E</b> | <b>OPTION LISTPRIV HAS BEEN REQUESTED, AND UNAMED SECTION(S)<br/>EXIST IN CREATED MODULE.</b> |
|-----------------|---|

## Explanation

Option LISTPRIV was specified and a private unnamed csect(s) exists in this bind. See the UNAMED SECTIONS report in SYSPRINT for additional information.

## System action

Processing continues.

## User response

Determine if output program object should be used.

## Source

Binder

## Module

IEWBPAMX

---

|                 |  |
|-----------------|--|
| <b>IEW2448W</b> | <b>NO MODULE WAS PROVIDED FOR CHANGE, REPLACE, OR DELETE REQUESTS.</b> |
|-----------------|--|

---

## Explanation

Unprocessed change, replace, or delete requests (generated by CHANGE or REPLACE control statements, or by a function=ALTERW call to IEWBIND) exist. Such requests are always targeted against the next input module, but either autocall is about to begin, or the binder has just finished processing a file or data set during autocall. Since the next module to be processed has not been designated by the user, the result of processing the requests would be unpredictable. Therefore the requests have been discarded.

## System action

Processing continues.

## User response

Check placement of change, replace, or delete requests.

## Source

Binder

## Module

IEWBRRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2449E</b> | <b>A REPLACE REQUEST HAS BEEN PROCESSED, BUT THE REPLACEMENT SYMBOL <i>symbol-name</i> REMAINS UNRESOLVED.</b> |
|-----------------|--|

---

## Explanation

A REPLACE control statement or an ALTERW function call was processed by the binder, but the replacement symbol was still unresolved following primary input processing. There was either no attempt to autocall the member, due to a NOCALL specification on a LIBRARY control statement, or an attempt to locate a member of the same name in SYSLIB failed.

## System action

Processing continues, but the symbol will be unresolved. If the symbol is the name of an alias or primary point, or if the symbol is referenced during execution, the program will fail.

## User response

Correct the REPLACE control statement or ALTERW call or make the symbol known to the binder as a section or external label.

## Source

Binder

## Module

IEWBRRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2450E</b> | <b>ERRORS ENCOUNTERED ATTEMPTING TO INCLUDE MEMBER <i>member-name</i> DURING AUTOCALL.</b> |
|-----------------|--|

---

## Explanation

The member was found in SYSLIB or other specified call library, but errors were encountered when attempting to include the module. The module may or may not have been included. This message is issued in conjunction with an error message describing the specific problem.

## System action

Processing continues, but the symbol may be unresolved.

## User response

Recreate the module in error and rerun the job.

## Source

Binder

## Module

IEWBRRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2451E</b> | <b>SYMBOL <i>symbol</i> WAS SPECIFIED ON INSERT, BUT IT RESOLVED TO A LABEL.</b> |
|-----------------|--|

---

## Explanation

The symbol appeared on an INSERT control statement, but resolved to a label (entry name) rather than a CSECT name. Labels cannot be individually positioned within the module.

## System action

The INSERT statement is ignored. Processing continues.

## User response

Change the INSERT statement or correct the module.

## Source

Binder

## Module

IEWBRRBA

---

|                 |   |
|-----------------|---|
| <b>IEW2452E</b> | <b>SYMBOL <i>symbol</i> WAS SPECIFIED ON INSERT, BUT IT WAS NOT FOUND IN LIBRARY.</b> |
|-----------------|---|

---

## Explanation

A symbol specified on an INSERT control statement could not be resolved by autocall processing.

## System action

The INSERT statement is ignored. Processing continues.

## User response

Remove the INSERT statement, or make the module available to the binder.

## Source

Binder

## Module

IEWBBRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2453E</b> | <b>UNABLE TO PROCESS LIBRARY <i>ddname</i> DURING AUTOCALL PROCESSING.</b> |
|-----------------|--|

---

## Explanation

The binder was unable to open or otherwise process the specified autocall library. The binder may have been invoked with a passed *ddname* associated with a UCB address allocated above the 16MB line with NOCAPTURE. The binder will not process this dataset.

## System action

Processing continues.

## User response

Correct the problem and rerun the job or remove the NOCAPTURE option from the dynamic allocation in the invoking application program. Contact your system programmer.

## Source

Binder

## Module

IEWBBRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2454W</b> | <b>SYMBOL <i>symbol</i> UNRESOLVED. NO AUTOCALL (NCAL) SPECIFIED.<br/>[NAME SPACE = <i>name-space</i>]</b> |
|-----------------|--|

---

## Explanation

The symbol shown was still unresolved following primary input processing and automatic library call processing was suppressed.

Name space indicates the type of external symbol being referenced, and can have one of these values:

1. normal external names
2. pseudo register names
3. parts (usually external data items such as data items in C writable static)

Name space will not be printed if its value is 1.

**Note:** A label or variable in one name space cannot be used to resolve a reference in another.

### System action

Processing continues.

### User response

If 'symbol' must be resolved, provide an appropriate INCLUDE control statement or remove the NCAL option.

### Source

Binder

### Module

IEWBBRBA

---

|                 |  |
|-----------------|--|
| <b>IEW2455W</b> | <b>SYMBOL <i>symbol</i> UNRESOLVED. NOCALL OR NEVERCALL SPECIFIED.</b> |
|-----------------|--|

### Explanation

The *symbol* displayed remains unresolved following autocall processing, but was designated "restricted no call" or "never call" on a LIBRARY control statement or SETLIB function call.

### System action

Processing continues.

### User response

None.

### Source

Binder

### Module

IEWBBRBA

---

|                 |   |
|-----------------|---|
| <b>IEW2456E</b> | <b>SYMBOL <i>symbol</i> UNRESOLVED. MEMBER COULD NOT BE INCLUDED FROM THE DESIGNATED CALL LIBRARY. [NAME SPACE = <i>name-space</i>]</b> |
|-----------------|---|

### Explanation

The 'symbol' displayed is not a member name in SYSLIB or in the designated call library, or errors were encountered when attempting to include the module. The symbol remains unresolved.

Name space indicates the type of external symbol being referenced, and can have one of these values:

1. normal external names
2. pseudo register names
3. parts (usually external data items such as data items in C writable static)

Name space will not be printed if its value is 1.



## System action

Processing continues.

## User response

Correct the reference or make the missing entry available to the binder by (1) adding the member to SYSLIB, (2) adding an alias of that name to an existing member, (3) INCLUDEing a module which contains the missing entry point, (4) providing a LIBRARY control statement to direct the binder to a different library during autocall processing, or (5) correct the source of the INCLUDE error.

Correct the symbol reference in the source program or make the missing entry available to the binder. Making the entry available can include any of the following:

1. Adding the name as an alias or member to in SYSLIB.
2. Providing an AUTOCALL control statement pointing to a library that can resolve the name.
3. INCLUDEing a module that contains the missing entry point
4. Providing a LIBRARY control statement to direct the binder to an additional library during final autocall processing.
5. Correcting an existing INCLUDE, AUTOCALL, or LIBRARY control statement.
6. If you are driving the binder from some other program, such as SMP/E or c89, you might need to correct or extend the library specifications you are providing to that program. If such a program generates AUTOCALL statements, they are applied before final autocall processing, and are not used recursively unless the library names are repeated.

For more information on COBOL programs, see [Binding \(link-editing\) Enterprise COBOL programs](#).

## Source

Binder

## Module

IEWBRRBA

---

**IEW2457E** **SYMBOL *symbol* UNRESOLVED. NO CALL LIBRARY SPECIFIED.**

## Explanation

The 'symbol' displayed remained unresolved following autocall processing. No call library was provided.

## System action

Processing continues.

## User response

Provide a SYSLIB DD statement in the batch JCL, or specify a CALLIB ddname on the STARTD or BINDW call.

## Source

Binder

## Module

IEWBRRBA

---

**IEW2458W** **SYMBOL *symbol* UNRESOLVED. ALL REFERENCES MARKED NEVERCALL. [NAME SPACE = *name-space*]**

## Explanation

The symbol shown remains unresolved at the end of autocall processing. Type ER external references to the symbol exist but have been specified as NEVERCALL.

Name space indicates the type of external symbol being referenced, and can have one of these values:

1. normal external names
2. pseudo register names
3. parts (usually external data items such as data items in C writable static)

Name space will not be printed if its value is 1.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBBRBA

---

**IEW2459W**

**INCLUDED MEMBER *member-name* FAILED TO RESOLVE REFERENCE.  
[NAME SPACE = *name-space*]**

## Explanation

The '*member-name*' displayed was included during autocall processing, but did not contain a label (entry name) of the same name. IEW2497W will also be issued.

Name space indicates the type of external symbol being referenced, and can have one of these values:

1. normal external names
2. pseudo register names
3. parts (usually external data items such as data items in C writable static)

Name space will not be printed if its value is 1.

## System action

The symbol remains unresolved. Processing continues.

## User response

Ensure that the member name and library are correct and that the member contains a section or label which matches the member name.

## Source

Binder

## Module

IEWBBRBA

---

**IEW2460E**

**ADCON IN SECTION *section-name* AND CLASS NAME *class-name* IS  
LOCATED BEYOND THE END OF TEXT.**

## Explanation

While processing an input module, the binder encountered an RLD entry describing an address constant with an element offset greater than the length of the element containing the adcon.

## System action

The module is bypassed. Processing continues.

## User response

The input RLD data is in error. Recreate the input source and rerun the job.

## Source

Binder

## Module

IEWBBUNB

---

**IEW2461I**

**INTFVAL EXIT MESSAGE: *message from exit*.**

## Explanation

The interface exit specified for this binder invocation was called and requested that a message be printed.

## System action

Processing continues.

## User response

None. This is information only.

## Source

Binder

## Module

IEWBBRBA

---

**IEW2462S**

**INTFVAL EXIT DETECTED SEVERE ERROR. *from exit*.**

## Explanation

The interface exit specified for this binder invocation was called and reported that it detected a severe error.

## System action

Autocall processing will be terminated. Save or load processing will treat the module as non-executable unless LET=12 was specified.

## User response

Check for a previous IEW2461I message for additional information. Check any documentation supplied for the interface validation exit being used.

## Source

Binder

## Module

IEWBBRBA

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|                 |  |
|-----------------|--|
| <b>IEW2463E</b> | <b>MODULE CONTAINS A MIXTURE OF STATIC AND DYNAMIC<br/>RESOLUTION REQUESTS FOR [part_name]</b> |
|-----------------|--|

---

## Explanation

Some references to the indicated part requested dynamic resolution while others requested static resolution.

## System action

The part will not be imported.

## User response

Find the input modules which reference the part name and ensure that they are compiled with consistent DLL options.

## Source

Binder

## Module

IEWBBCDS

---

|                 |  |
|-----------------|--|
| <b>IEW2464E</b> | <b>OVLY OR RMODE(SPLIT) INCOMPATIBLE WITH COMPAT OPTION.</b> |
|-----------------|--|

---

## Explanation

One or both of the following conflicts exist:

1. The OVLY option has been specified and COMPAT does not equal PM1. Only PM1 Program objects support Overlay.
2. RMODE(SPLIT) has been specified and COMPAT=PM1. Multiple text classes are supported only in PM2 program objects or later.

## System action

The module will be built in non-overlay format.

## User response

Ensure the result is what you want. Remove one of the conflicting options.

## Source

Binder

## Module

Binder

---

**IEW2465E**

**MODULE HAS MORE THAN ONE SEGMENT, BUT OVLY WAS NOT SPECIFIED.**

## Explanation

An overlay structure was specified with OVERLAY control statement, or STARTS calls, but the OVLY option was off.

## System action

The overlay segment structure is ignored. Processing continues.

## User response

Specify OVLY=yes, or remove the segment specifications.

## Source

Binder

## Module

IEWBBIND

---

**IEW2466S**

**SECTION *section-name* SPECIFIED ATTRIBUTES FOR CLASS *class-name* WHICH CONFLICT WITH THOSE SPECIFIED BY ANOTHER SECTION.**

## Explanation

Class attributes in an ED ESD record for the indicated section conflict with those in other ED ESD records for this class.

## System action

Data belonging to the specified class will not be saved or loaded. If the module is executed, the results are unpredictable.

## User response

Probably an error in the source code. Examine the attributes specified for the class in the source code for the section.

## Source

Binder

## Module

IEWBBIND

---

**IEW2467E**

**SYMBOL *symbol-name* REMAINS UNRESOLVED. [NAME SPACE = *name-space*]**

## Explanation

This message is issued in addition to IEW2459W if the indicated symbol is still unresolved at the end of autocall. Name space indicates the type of external symbol being referenced, and can have one of these values:

1. normal external names
2. pseudo register names
3. parts (usually external data items such as data items in C writable static)

Name space will not be printed if its value is 1.

## System action

The symbol is unresolved. Processing continues.

## User response

Refer to IEW2459W.

## Source

Binder

## Module

IEWBBRBA

---

**IEW2468E** **INVALID DYNAMIC RESOLUTION REQUEST FOR *symbol-name*.**

## Explanation

[*part-name*]. One of the following errors was detected:

- A symbol specified for dynamic linkage did not specify either text or data. this information is necessary to build the linkage descriptor in the proper format.
- References to the same part name specify conflicting name spaces.

If the input was a GOFF object module, it is either corrupted or there was an error in the processor that created it. Attempt

## System action

A data descriptor will be built.

## User response

Find the input modules which reference the symbol and re-build them from the source.

## Source

Binder

## Module

IEWBBCDS

---

**IEW2469E** **THE ATTRIBUTES OF A REFERENCE TO *symbol-name* DO NOT MATCH THE ATTRIBUTES OF THE TARGET SYMBOL. REASON *reason*.**

## Explanation

The interface attributes as indicated by the signatures stored in the ESDs and RLDs do not match. Either the reference was resolved to an incorrect module (which contained a symbol of the same name as the desired module) or there was an error in the source code. The possible values of the reason field are:

1. The ESD signature fields of the reference and target do not match.
2. The xplink attributes of the reference and target do not match.
3. Either the reference or the target is in amode 64 and the amodes do not match.
4. The reference and target are in different name spaces (such as code vs. data).
5. The reference and target disagree as to catenate vs. merge class.

## System action

The reference is resolved. If LET=8 is specified, the module will be marked executable.

## User response

Examine the map and xref output to determine if the symbol was resolved to the expected module. Examine the source code for possible errors.

## Source

Binder

## Module

IEWBBARN, IEWBBCAD

---

**IEW2470E** **ORDERED SECTION *section-name* NOT FOUND IN MODULE.**

## Explanation

The 'section name' displayed appeared on an ORDER control statement or in the ORDERS function call, but does not appear as the name of a control section in the module.

## System action

Ordering is ignored for the section. Processing continues.

## User response

Remove the order request, or make the section available to the binder.

## Source

Binder

## Module

IEWBBCAD

---

**IEW2471E** **ALIGNED SECTION *section-name* NOT FOUND IN MODULE.**

## Explanation

The 'section name' displayed appeared on a PAGE control statement or in the ALIGNT function call, but does not appear as the name of a control section in the module.

### System action

Alignment is ignored for the symbol. Processing continues.

### User response

Remove the align request, or make the section available to the binder.

### Source

Binder

### Module

IEWBBCAD

---

|                 |  |
|-----------------|--|
| <b>IEW2472S</b> | <b>OVERLAY FORMAT MODULE HAS A ZERO LENGTH ROOT SEGMENT.</b> |
|-----------------|--|

### Explanation

The root segment of an overlay module has no sections in the root segment, or only zero-length sections.

### System action

Processing continues. However, the output module will not execute correctly.

### User response

Do not use OVLY, or change the overlay structure so that the root segment is not empty.

### Source

Binder

### Module

IEWBBCAD

---

|                 |  |
|-----------------|--|
| <b>IEW2473E</b> | <b>INVALID THREE BYTE VCON WAS FOUND IN SECTION <i>section-name</i> OF OVERLAY MODULE.</b> |
|-----------------|--|

### Explanation

A V-type address constant of less than four bytes has been found in an overlay structure.

### System action

The V-type address constant will not be properly relocated. Processing continues.

### User response

Specify a length of four bytes for all V-type address constants in an overlay program.

### Source

Binder



## Module

IEWBBCOV

---

**IEW2474I**

**LIBRARY RENAME MODULE *module\_name* COULD NOT BE LOADED OR IS NOT THE CORRECT VERSION.**

## Explanation

The load for the C/C++ library rename module (EDCRNLST) failed. C/C++ library routines will not be renamed.

## System action

C/C++ library routines will not be renamed. Processing continues, but some references may be unresolved.

## User response

Ensure that the module named in the message is in STEPLIB or one of the data sets in the system search order for the LOAD SVC.

## Source

Binder

## Module

IEWBBARN

---

**IEW2475W**

**THERE IS A VALID EXCLUSIVE CALL FROM *section-name* TO *section-name*. XCAL WAS SPECIFIED.**

## Explanation

A valid branch-type reference was made from a segment to a symbol in an exclusive segment. XCAL was specified.

## System action

Processing continues.

## User response

No response normally necessary.

## Source

Binder

## Module

IEWBBCOV

---

**IEW2476E**

**THERE IS AN INVALID EXCLUSIVE CALL FROM *section-name* TO *section-name*.**

## Explanation

An invalid branch-type reference was made from the 'section-name' displayed in one segment to another 'section-name' displayed in an exclusive segment.

## System action

The V-type address constant will not be properly relocated. Processing continues.

## User response

Either place the sections in the same path, or place a V-type address constant in a common segment.

## Source

Binder

## Module

IEWBBCOV

---

|                 |  |
|-----------------|--|
| <b>IEW2477W</b> | <b>OVERLAY OPTION CANCELLED BECAUSE THE MODULE HAS ONLY ONE SEGMENT.</b> |
|-----------------|--|

## Explanation

Overlay function has no meaning in this case because the module contains only a root segment. Overlay control structures will not be generated.

## System action

Processing continues.

## User response

Possible user error. Review input.

## Source

Binder

## Module

IEWBBIND

---

|                 |   |
|-----------------|---|
| <b>IEW2478E</b> | <b>THERE IS A VALID EXCLUSIVE CALL FROM <i>section-name</i> TO <i>section-name</i>, BUT XCAL WAS NOT SPECIFIED.</b> |
|-----------------|---|

## Explanation

A valid branch-type reference was made from 'section-name' in a segment to a symbol in 'section-name', which is in an exclusive segment. XCAL was not specified.

## System action

Processing continues.

## User response

Check that overlay structure is what was desired. If so, relink with XCAL specified. Otherwise, rearrange the overlay structure so both segments are in the same path.

## Source

Binder

## Module

IEWBBCOV

---

|                 |  |
|-----------------|--|
| <b>IEW2479E</b> | <b>OVERLAY FORMAT MODULE HAS NO CALLS OR BRANCHES FROM THE ROOT SEGMENT.</b> |
|-----------------|--|

---

## Explanation

There are no calls or branches from the root segment to a segment lower in the tree structure. Other segments cannot be loaded.

## System action

Processing continues.

## User response

Make sure the root segment contains a section that refers to at least one other segment in the overlay structure by means of a V-type address constant.

## Source

Binder

## Module

IEWBBCOV

---

|                 |  |
|-----------------|--|
| <b>IEW2480W</b> | <b>EXTERNAL SYMBOL <i>symbol</i> OF TYPE <i>ESD-type</i> WAS ALREADY DEFINED AS A SYMBOL OF TYPE <i>ESD-type</i> IN SECTION <i>section-name</i>.</b> |
|-----------------|--|

---

## Explanation

An external symbol, 'symbol', matches the name of a symbol which was already defined.

## System action

The current external symbol is removed from workmod. All references to the symbol will be resolved to the previous instance.

## User response

Check input source.

## Source

Binder

## Module

IEWBNAME

---

|                 |  |
|-----------------|--|
| <b>IEW2481E</b> | <b>THE INSTRUCTION ADDRESS OR THE TARGET ADDRESS IN CLASS <i>class_name</i> AT OFFSET <i>class_offset</i> IS NOT EVEN.</b> |
|-----------------|--|

---

## Explanation

It is a hardware restriction that the target address of a relative-immediate instruction, or the location of any instruction, must be an even address.

## System action

The relative-immediate or long-displacement address will not be relocated. Processing continues.

## User response

Ensure that the current instruction address or the target address of the current instruction resolves to an even address.

## Source

Binder

## Module

IEWBBUPA

---

**IEW2482W**

**THE ORIGINAL DEFINITION WAS IN A MODULE IDENTIFIED BY *ddname*. THE DUPLICATE DEFINITION IS IN *section* IN A MODULE IDENTIFIED BY *ddname*.**

## Explanation

An external symbol matches the name of a symbol which was already defined. This message is additional information for the condition reported by the preceding message IEW2480W.

## System action

The current external symbol is removed from workmod. All references to the symbol will be resolved to the previous instance.

## User response

Check input source.

## Source

Binder

## Module

IEWBNAME

---

**IEW2484W**

**CLASS *class-name* USABILITY ATTRIBUTE OF *usability-attribute-1* IN SECTION *section-name* CONFLICTS WITH REQUESTED USABILITY OF *usability-attribute-2*.**

## Explanation

The reusability for the named element was less than that specified explicitly for reusability on a binder option.

## System action

The class is given the resuability attribute specified in the JCL.

## User response

Change the reusability option (RENT, REUS, etc.) in the source or on the binder option so that the attributes are consistent.

## Source

Binder

## Module

IEWBBIND

---

|                 |  |
|-----------------|--|
| <b>IEW2485E</b> | <b>INITIALIZING DATA FOR PART <i>partname</i> IS LONGER THAN PART.</b> |
|-----------------|--|

---

## Explanation

The initial data for a part extends beyond the end of the part.

## System action

Processing continues. The initializing data will be truncated.

## User response

This is probably a compiler error or damaged input module. Rebuild the input from the source or object.

## Source

Binder

## Module

IEWBBIPT

---

|                 |  |
|-----------------|--|
| <b>IEW2486W</b> | <b>EXTERNAL SYMBOL <i>symbol</i> OF TYPE <i>esd-type</i> WAS ALREADY DEFINED AS A SYMBOL OF TYPE <i>esd-type</i> IN SECTION <i>section-name</i>.</b> |
|-----------------|--|

---

## Explanation

The symbol specified as an external symbol, defined in the section currently being processed, had a definition in an earlier input for this bind. This message has additional information following it in IEW2487W.

## System action

All references to the symbol will be resolved to the original definition.

## User response

Correct source, recompile, and relink.

## Source

Binder

## Module

IEWBNAME

---

**IEW2487W**

**THE ORIGINAL DEFINITION WAS IN A MODULE IDENTIFIED BY DDNAME *ddname*. THE DUPLICATE DEFINITION IS IN SECTION *section-name* IN A MODULE IDENTIFIED BY DDNAME *ddname*.**

### **Explanation**

An external symbol, defined in the section currently being processed, had a definition in an earlier input for this bind. This message is additional information for the condition reported by the preceding message IEW2486W.

### **System action**

All references to the symbol will be resolved to the original definition.

### **User response**

Correct source, recompile, and relink.

### **Source**

Binder

### **Module**

IEWBNAME

---

**IEW2488E**

**EXTERNAL SYMBOL *symbol* OF TYPE *esd-type* WAS ALREADY DEFINED AS A SYMBOL OF TYPE *esd-type* IN SECTION *section-name*.**

### **Explanation**

The symbol specified as an external symbol, defined in the section currently being processed, had a definition in an earlier input for this bind. This message has additional information following it in IEW2489E.

### **System action**

All references to the symbol will be resolved to the original definition.

### **User response**

Correct source, recompile, and relink.

### **Source**

Binder

### **Module**

IEWBNAME

---

**IEW2489E**

**THE ORIGINAL DEFINITION WAS IN A MODULE IDENTIFIED BY DDNAME *ddname*. THE DUPLICATE DEFINITION IS IN SECTION *section-name* IN A MODULE IDENTIFIED BY DDNAME *ddname*.**

### **Explanation**

An external symbol defined in the section currently being processed, had a definition in an earlier input for this bind. This message is additional information for the condition reported by the preceding message IEW2488E.

## System action

All references to the symbol will be resolved to the original definition.

## User response

Correct source, recompile, and relink.

## Source

Binder

## Module

IEWBNAME

---

|                 |  |
|-----------------|--|
| <b>IEW2490E</b> | <b>LINKAGE DESCRIPTORS MAY NOT BE CORRECT. <i>symbol-name</i> IS UNRESOLVED.</b> |
|-----------------|--|

---

## Explanation

A routine that may be needed to correctly create some of the linkage descriptors for this program is not available.

## System action

Processing continues, but the resulting module may not execute correctly. If LET=8 is specified, the module will be marked executable.

## User response

Inspect the binder XREF output for references to the unresolved symbol. Ensure that CALL=YES was used as a processing option and that the correct libraries were specified for autocall.

## Source

Binder

## Module

IEWBBIPT

---

|                 |  |
|-----------------|--|
| <b>IEW2491E</b> | <b>CLASSES C_WSA AND C_WSA64 ARE BOTH PRESENT IN THE MODULE.</b> |
|-----------------|--|

---

## Explanation

Both C\_WSA and C\_WSA64 are defined classes in the module and are not empty. z/OS Language Environment does not support the presence of classes C\_WSA and C\_WSA64 in the same program object.

## System action

Processing continues but the resulting module will not execute correctly.

## User response

The problem is usually caused by a mixture of amode 64 and non-amode 64 LE-enabled input modules. Check that the correct input modules and libraries are specified.

## Source

Binder

## Module

IEWBBCDS

---

|                 |   |
|-----------------|---|
| <b>IEW2492E</b> | <b>THE OPERAND OF THE INSTRUCTION IN CLASS <i>class_name</i> AT OFFSET <i>class_offset</i> EXCEEDS THE DESTINATION RANGE.</b> |
|-----------------|---|

---

## Explanation

The relative immediate instructions provide a 2 byte or 4 byte immediate operand. For 2 byte operands, the instruction provides a destination range that is -64K to 64K from the current instruction. For 4byte operands, the instruction provides a destination range that is -4G to +4G from the current instruction. For the long-displacement instructions, the final displacement of an offset constant exceeds the field width range (-512K to 512K-1) or has targets in two different load segments.

## System action

The relative-immediate or long-displacement address will not be relocated. Processing continues.

## User response

Based on the length of the operand or the final displacement of an offset constant, ensure the operand or the final displacement to be within the destination range of the current instruction. For long-displacement instructions, ensure all target symbols are in the same load segment.

## Source

Binder

## Module

IEWBBUPA

---

|                 |   |
|-----------------|---|
| <b>IEW2493E</b> | <b>A RELATIVE REFERENCE WITH MULTIPLE EXTERNAL SYMBOLS WAS ENCOUNTERED AT OFFSET <i>offset</i> IN CLASS <i>class_name</i>, SECTION <i>section_name</i>.</b> |
|-----------------|---|

---

## Explanation

A relative immediate instruction with multiple external symbols in their operands was encountered. For relative immediate reference, only one external symbol is supported.

## System action

Processing continues.

## User response

Do not use more than one external symbol when using relative immediate reference.

## Source

Binder



## Module

IEWBBUPA

---

**IEW2494E**

**A PROBLEM WAS ENCOUNTERED WITH THE SETUP OF THE DIGITAL CERTIFICATES REQUIRED FOR CODE SIGNING. RACF RETURNED SAF RETURN CODE *aaaa* RACF RETURN CODE *bbbb* RACF REASON CODE *cccc***

## Explanation

The SIGINIT function call to the RACF R\_PgmSignVer service failed with the indicated reason and return code. The reason and return codes indicate a probable certificate setup error. The RACF reason code *cccc* is in hex. The codes are documented in [Return and Reason Codes](#) in *z/OS Security Server RACF Callable Services*

**Note:** z/OS Security Server RACF Callable Services uses decimal numbers for the reason codes.

## System action

Module is built without the signature section. Sign bit not set.

## User response

Correct the problem indicated by the RACF reason and return code.

## Source

Binder

## Module

IEWBBIND

---

**IEW2495E**

**UNRESOLVED WEAK RELATIVE-IMMEDIATE REFERENCE TO SYMBOL *symbol*.**

## Explanation

Binder could not resolve the weak reference used by relative-immediate address constant. Such unresolved references are potentially dangerous. For example, they can cause infinite loops.

## System action

The address constant will not be processed.

## Programmer response

To correct this problem, make sure that one of the files included contains this symbol definition.

## Source

Binder

## Module

IEWBBUPA

---

**IEW2496E**

**UNRESOLVED RELATIVE-IMMEDIATE REFERENCE TO IMPORTED SYMBOL *symbol*.**

## Explanation

Binder does not support the use of imported symbols used by relative-immediate address constants.

## System action

The address constant will not be processed.

## Programmer response

Replace relative-immediate references to imported symbols with another construct.

## Source

Binder

## Module

IEWBBUPA

---

**IEW2497W**

**THE SYMBOL *symbol* WAS EXPECTED TO BE RESOLVED BY INCLUDING MEMBER *member* FROM THE LIBRARY DEFINED BY DDNAME *ddname*.**

## Explanation

Binder expected to find a symbol in the member of the library. The symbol may not exist in that member, or its properties may differ from that desired by binder. It is also possible that the section (in the included member) which defined the symbol was not added because the section was a duplicate (this can be determined by binding with LIST=ALL and looking for message IEW24131I. IEW2459W will also have been issued, but for archive libraries and C370LIB object libraries it is necessary to distinguish the actual library member name from the symbol name (in messages such as IEW2459W the symbol is shown where it says "member-name").

## System action

Processing continues. The symbol is searched in the rest of autocall libraries.

## User response

The input module may have been intended to contain the expected symbol. Check if the included member was built correctly, or if the included member is not the one intended to be found. This message provides the same information reported in message IEW2340I, which is issued for all autocall included members when the LIST=ALL binder option is in effect.

## Source

Binder

## Module

IEWBBRBA

---

**IEW2498E**

**ALIGNED CLASS *class-name* IN SECTION *section-name* NOT FOUND IN MODULE.**

## Explanation

The class name *class-name* specified on an ALIGNT request, is not defined for section *section-name* in the module.

**System action**

The ALIGNT request is not processed.

**User response**

Verify that the intended class name and section name were specified.

**Source**

Binder

**Module**

IEWBBCAD

---

|                 |   |
|-----------------|---|
| <b>IEW2499E</b> | <b>ALIGNED CLASS <i>class-name</i> IN SECTION <i>section-name</i> IS FOR PSEUDO REGISTER.</b> |
|-----------------|---|

**Explanation**

The class name *class-name* specified on an ALIGNT request, contains pseudo-register definitions. Only parts may be aligned in merge classes, pseudo-registers cannot be aligned because they do not retain an owning section name.

**System action**

The ALIGNT request is not processed.

**User response**

Change the specified class name to one which does not contain pseudo-registers, or remove it.

**Source**

Binder

**Module**

IEWBBCAD

---

|                 |  |
|-----------------|--|
| <b>IEW2500E</b> | <b>ESD TYPE <i>ESD-type</i> FOR ESD NAME <i>ESD-name</i> WITHIN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS NOT VALID.</b> |
|-----------------|--|

**Explanation**

An invalid ESD type was found within an object module being included from the data set identified by 'ddname'.

**System action**

The object module containing the invalid ESD will not be added to workmod.

**User response**

The object module containing this section is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBBIPT

---

**IEW2501E**

**XSD INPUT RECORD CAN NOT BE PROCESSED**

## Explanation

The input object module requires C-style writable static (WSA). Either the module is invalid, or an output format which does not support this function was requested.

## System action

The object module will not be processed.

## User response

Ensure that the COMPAT option is defaulted or specified as at least PO3 level, and that the first record of the input module contains @@DOPLNK.

## Source

Binder

## Module

IEWBXCOF

---

**IEW2502E**

**PSEUDO REGISTER ALIGNMENT *align-code* FOR ESD NAME *pseudo-reg-name* WITHIN MEMBER *member-name* IDENTIFIED BY DDNAME *ddname* IS NOT A VALID VALUE.**

## Explanation

The specified pseudo register alignment is invalid.

## System action

The input module containing this invalid section will not be added to workmod.

## User response

The input module is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBXWRD

---

**IEW2503E**

**RLD TYPE *RLD-type* WITHIN MEMBER *member-name* IDENTIFIED BY DDNAME *ddname* IS NOT VALID. RLD ENTRY NOT ADDED.**

## Explanation

RLD type is not one of the valid values. They are branch, non-branch, vcon, qcon or cxd.

## System action

The input module containing this invalid section will not be added to workmod.

## User response

The input module containing this section is corrupted. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder

## Module

IEWBXWRD

---

|                 |  |
|-----------------|--|
| <b>IEW2504W</b> | <b>ESD NAME <i>esd-name</i> WITHIN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WAS TRUNCATED.</b> |
|-----------------|--|

## Explanation

The ESD name displayed contains one or more imbedded blanks.

## System action

Processing continues. The ESD name is truncated at the first blank.

## User response

References to the name may not be resolved properly. The truncated name may result in duplicate names.

## Source

Binder

## Module

IEWBXWRD, IEWBXCOF

---

|                 |   |
|-----------------|---|
| <b>IEW2505E</b> | <b>ESDID <i>number</i> OF THE CURRENT LOAD MODULE HAS A NEGATIVE TEXT LENGTH.</b> |
|-----------------|---|

## Explanation

The text length in the load module control record is negative. Length is part of the control data in columns 16-255 of the record.

## System action

The load module is discarded.

## User response

Check the load module being included to determine if it is in error. If so, it must be recreated.

## Source

Binder

## Module

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2506E</b> | <b>UNSUPPORTED AMODE FOR ESD NAME <i>symbol</i> WITHIN MEMBER <i>member</i> IDENTIFIED BY DDNAME <i>ddname</i>.</b> |
|-----------------|---|

---

## Explanation

The AMODE attribute associated with the indicated ESD entry in the current input module is not supported by the binder. The binder does not support AMODE ANY64.

## System action

The indicated object module will not be included in the program module being built by the binder.

## User response

Modify the source program to specify an AMODE supported by the binder.

## Source

Binder

## Module

IEWBXGOF, IEWBXWRD

---

|                 |  |
|-----------------|--|
| <b>IEW2507W</b> | <b>ONE OR MORE FIELD DESCRIPTORS IN SYM RECORD <i>sym-record-image</i> WITHIN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> ARE NOT VALID. REST OF RECORD IMAGE WAS NOT USED.</b> |
|-----------------|--|

---

## Explanation

An invalid SYM field descriptor was encountered when including an object module or load module, identified by 'member-name'.

## System action

Rest of the record is not used.

## User response

Check the object or load module being included.

## Source

Binder

## Module

IEWBXWRD

---

|                 |   |
|-----------------|---|
| <b>IEW2508S</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS NOT A VALID PROGRAM OBJECT. CODE <i>nn</i></b> |
|-----------------|---|

---

**Explanation**

Input module is not a valid program object, despite being identified as such.

The code is primarily intended for service personnel, but code 1 probably indicates that a z/OS UNIX System Services program object has been copied to a PDSE using binary OGET. This is not supported.

**System action**

The invalid program object will be skipped.

**User response**

The program object is invalid. Either obtain a valid copy or recreate the module from the source code. If the recreated module has the same problem, open a problem report providing the complete message.

**Source**

Binder

**Module**

IEWBXCLW, IEWBXCPW, IEWBXRD

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|                 |  |
|-----------------|--|
| <b>IEW2509S</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS AN UNSUPPORTED VERSION AND CANNOT BE PROCESSED.</b> |
|-----------------|--|

**Explanation**

Program Object Version 2 or later, or GOFF (Generalized Object File Format) module with the DEFLOAD attribute are not supported in this binder release.

**System action**

The invalid program object, or GOFF module will not be added to workmod.

**User response**

The program object or GOFF module is an unsupported version for this release.

**Source**

Binder

**Module**

IEWBXCLW, IEWBXCPW, IEWBXGOF

---

|                 |  |
|-----------------|--|
| <b>IEW2510W</b> | <b>ENTRY OFFSET <i>entry-offset</i> IN MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> DOES NOT EXIST IN A VALID SECTION.</b> |
|-----------------|--|

**Explanation**

The entry point offset in the module directory does not fall within the module identified by 'member-name'.

**System action**

Module will be included.

## User response

Re-bind the module being included with valid entry and offset.

## Source

Binder

## Module

IEWBXCLW, IEWBXCPW, IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2511E</b> | <b>TOTAL ESD CONTROL RECORD LENGTH <i>length</i> EXCEEDS CCW LENGTH <i>ccw_length</i>.</b> |
|-----------------|--|

---

## Explanation

The total of all text lengths in the load module control records exceeds the value in the load module control record count field. Text length is part of the control data in columns 16-255 of the record.

## System action

The load module is discarded.

## User response

Check the load module being included. It must be recreated.

## Source

Binder

## Module

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2512E</b> | <b>ESD NAME <i>ESD-type</i> WITHIN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS NOT VALID.</b> |
|-----------------|---|

---

## Explanation

The object module or load module currently being processed as input contains an invalid name in an ESD record. The name either contains invalid characters or is a duplicate of the name in another ESD record.

## System action

The input module containing this ESD will not be added to workmod.

## User response

The input module containing this ESD is invalid. Either obtain a valid copy or recreate the module from the source code.

## Source

Binder



## Module

IEWBXWRD

---

|                 |  |
|-----------------|--|
| <b>IEW2513E</b> | <b>FILL CHARACTER FOR SECTION <i>section-name</i> CLASS <i>class-name</i> CONFLICTS WITH AN EARLIER FILL SPECIFICATION FOR THE SAME CLASS.</b> |
|-----------------|--|

---

## Explanation

Two input ESD records for a class specify different fill characters.

## System action

The first fill character found for this class will be used.

## User response

Correct the fill character.

## Source

Binder

## Module

IEWBBIND

---

|                 |   |
|-----------------|---|
| <b>IEW2515W</b> | <b>DIRECTORY ENTRY FOR MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS NOT MARKED AS LOAD MODULE.</b> |
|-----------------|---|

---

## Explanation

The PDS member has RECFM=U but the directory entry indicates that it is not a load module.

## System action

Directory information is not available. The load module will be processed as a sequential data set.

## User response

Check INCLUDE statements and library content.

## Source

Binder

## Module

IEWBXCW

---

|                 |   |
|-----------------|---|
| <b>IEW2516W</b> | <b>MODULE ATTRIBUTES REQUESTED FOR MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i>. DIRECTORY READ ERROR OR DIRECTORY NOT AVAILABLE.</b> |
|-----------------|---|

---

## Explanation

The binder could not access the directory of the specified load module because it was not available (probably because it is being processed as a sequential data set) or an I/O error was encountered during access.

## System action

Default attributes will be used.

## User response

To get other than default attributes, ensure that the data set is opened with DSORG=PO, not PS.

## Source

Binder

## Module

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2517W</b> | <b>ADDITIONAL RECORDS FOUND AFTER THE END OF MODULE IN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i>.</b> |
|-----------------|--|

## Explanation

The member contains additional records after the record which indicated end of load module.

## System action

The extraneous records are ignored.

## User response

Check load module being included.

## Source

Binder

## Module

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2518W</b> | <b>IDRL IMAGE <i>IDRL-image</i> DOES NOT CONTAIN A VALID ESD IDENTIFIER.</b> |
|-----------------|--|

## Explanation

Translator identification entry IDRL has an ESD identifier which is not defined in the ESD or CESD for this input module.

## System action

The translator identification record is not kept. The load module or program object that is created is executable and may be included for subsequent binds.

## User response

Check the IDR data in the input load module or program object.

## Source

Binder

## Module

IEWBXCRW

---

**IEW2519W**

**IDRU IMAGE *IDRU-image*, DOES NOT CONTAIN A VALID ESD IDENTIFIER OR THE DATA LENGTH IS GREATER THAN 46.**

## Explanation

A user identification entry in an input load module or program object is incorrect. Either the ESD identifier is not defined in the CESD of the input module or the data length is too large.

## System action

The user identification record is not kept.

## User response

Check the IDR data in the input load module.

## Source

Binder

## Module

IEWBXCRW

---

**IEW2520W**

**IDRZ IMAGE *IDRZ-image* DOES NOT CONTAIN A VALID ESD IDENTIFIER.**

## Explanation

Zap identification entry contains an ESD identifier which is not defined in the CESD of the input load module.

## System action

The zap identification entry is not kept.

## User response

Check the zap data in the input load module. The message warns the user that unacceptable zap records are not saved in the target SYSLMOD. However, this should not effect ability of the program to run.

## Source

Binder

## Module

IEWBXCRW

---

**IEW2521W**

**THE LENGTH OF SYM RECORD *sym-record-image* IS NOT A MULTIPLE OF 80.**

## Explanation

SYM record length can only be 80, 160 or 240.

## System action

The load module will not be added to workmod.

## User response

Check the sym records in the input load module.

## Source

Binder

## Module

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2522E</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WITH<br/>CONCATENATION NUMBER <i>number</i> IS NOT A LOAD MODULE.</b> |
|-----------------|---|

## Explanation

The load module being included has invalid data. The current record is not a valid record type in a load module.

## System action

The module cannot be processed. It is not included.

## User response

Check specification of data set in JCL. Check for a missing member name in the INCLUDE control statement or in the DD statement, or a missing MEMBER parameter in an INCLUDE call to IEWBIND. If these appear to be correct, the input load module may need to be recreated.

## Source

Binder

## Module

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2523E</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> IS NOT AN<br/>EDITABLE MODULE AND CANNOT BE INCLUDED.</b> |
|-----------------|---|

## Explanation

The specified input load module or program object was created with the 'not editable' attribute, so it cannot be re-bound or included as part of a bind step.

## System action

The load module or program object is not included.

## User response

Recreate the input module, allowing EDIT to default to YES.

## Source

Binder

## Module

IEWBXCRW, IEWBXCLW, IEWBXCPW

---

**IEW2524E**

**MEMBER *member-name* IDENTIFIED BY DDNAME *ddname* CANNOT BE INCLUDED BECAUSE IT IS NOT EDITABLE AND IS IN SCATTER FORMAT.**

## Explanation

The specified input module was created with the not-editable and scatter-loadable attributes. This module cannot be processed by the binder. It may not be re-bound or included with INTENT=ACCESS.

## System action

The module is not included.

## User response

Recreate the input load module, allowing EDIT to default to YES.

## Source

Binder

## Module

IEWBXCRW

---

**IEW2525E**

**END OF MEMBER *member-name* IDENTIFIED BY DDNAME *ddname* FOUND BEFORE AN END OF MODULE TEXT CONTROL RECORD.**

## Explanation

When processing an input load module, end of file was read before the end-of-text control record.

## System action

The load module is not included.

## User response

Check the load module being included. It appears to be truncated and may need to be recreated.

## Source

Binder

## Module

IEWBXCRW

---

**IEW2526E**

**RECORD IMAGE *record-image* IN MEMBER *member-name* IDENTIFIED BY DDNAME *ddname*, DOES NOT CONTAIN A VALID RECORD TYPE.**

## Explanation

The first byte of the identified record is not a valid record type for a load module.

## System action

The load module is not included.

## User response

Check the data set and member being included. The load module may need to be recreated.

## Source

Binder

## Module

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2527E</b> | <b>DATA SET <i>ddname</i> IS NOT A LIBRARY. ALIASES CANNOT BE RETRIEVED.</b> |
|-----------------|--|

---

## Explanation

Since the directory entries are not available, aliases cannot be retrieved from members read in sequentially.

## System action

Aliases are not included from the identified load module or program object.

## User response

Specify the module as a member of a program library. INCLUDE control statement should read INCLUDE *ddname* (MEMBER membername). Member name should not appear on the DD statement.

## Source

Binder

## Module

IEWBXROO

---

|                 |   |
|-----------------|---|
| <b>IEW2528E</b> | <b>DATA SET <i>ddname</i> IS NOT A LIBRARY. ATTRIBUTES CANNOT BE RETRIEVED.</b> |
|-----------------|---|

---

## Explanation

Since the directory entries are not available, attributes cannot be retrieved from members read in sequentially.

## System action

Attributes will not be copied from the input load module. Default attributes will be used.

## User response

Specify the module as a member of a program library. INCLUDE control statement should read INCLUDE *ddname* (MEMBER membername). Member name should not appear on the DD statement.

## Source

Binder

## Module

IEWBXROO

---

**IEW2529S** THE RECORD LENGTH FOR DDNAME *ddname* IS NOT VALID.

## Explanation

A fixed length file does not have LRECL of 80. Object modules and/or control statements must have a logical record length of 80.

## System action

The object modules or control statements are not processed.

## User response

Check JCL. Ensure that the correct data set is specified and correct the DCB parameters if necessary.

## Source

Binder

## Module

IEWBXROO

---

**IEW2530E** MODULE *member-name* IDENTIFIED BY DDNAME *ddname* CONTAINS AN LD WHICH REFERENCES AN INVALID SECTION IDENTIFIER *esd-id*.

## Explanation

An ESD entry for a label (entry name) or associated with text in an input load module or object module contains a reference to a non-existent section.

## System action

Module is not included.

## User response

Check module being included. It contains invalid data, and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

**IEW2531E** MODULE *member-name* IDENTIFIED BY DDNAME *ddname* CONTAINS AN ESD IDENTIFIER *esd-id* WITH AN INVALID REFERENCE.

## Explanation

An ESD entry in an input load module or object module contains an invalid ESDID.

## System action

Module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |   |
|-----------------|---|
| <b>IEW2532E</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> CONTAINS REFERENCES TO SECTION IDENTIFIER <i>esd-id</i> WHICH IS NOT A VALID SECTION.</b> |
|-----------------|---|

## Explanation

ESD entries in the input load module or object module contain references to a section which does not exist.

## System action

Module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |   |
|-----------------|---|
| <b>IEW2533S</b> | <b>BINDER HAS ENCOUNTERED A CLOSE OR DIV UNMAP ERROR.</b> |
|-----------------|---|

## Explanation

System services for CLOSE or DIV unmapping has returned with a non-zero return code.

## System action

The file involved may be unusable.

## User response

Check other system messages which may indicate files involved and the cause of the failure.



## Source

Binder

## Module

IEWBXR00

---

|                 |  |
|-----------------|--|
| <b>IEW2534E</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> CONTAINS AN INVALID RLD RESIDENT IDENTIFIER <i>esd-id</i>.</b> |
|-----------------|--|

---

## Explanation

The object module or load module being included contains an RLD entry with an invalid residence id.

## System action

Module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |  |
|-----------------|--|
| <b>IEW2535E</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> CONTAINS AN INVALID RLD TARGET IDENTIFIER <i>esd-id</i>.</b> |
|-----------------|--|

---

## Explanation

A load module or object module being included contains an RLD with an invalid target ID.

## System action

Module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |  |
|-----------------|--|
| <b>IEW2536I</b> | <b>ESD ALIGNMENT FOR SYMBOL <i>symbol</i> CHANGED FROM align-old TO align-new.</b> |
|-----------------|--|

---

## Explanation

The boundary alignment of a section or part is more restrictive than can be represented in load module format. The alignment is changed to the closest value that is supported before saving the ESD.

This has no effect on the load module which was just created, the original boundary alignments were used when binding it. However since the saved ESD cannot contain the original values, subsequently rebinding the load module may yield different results (no further messages will be issued).

'symbol' is the ESD symbol whose alignment was changed. 'align-old' is the previous alignment, 'align-new' is the new alignment which will be in the ESD record in the output module. Alignment values are reported as decimal in the range from 1 to 4096 and are always powers of 2.

## System action

Processing continues.

## User response

None.

## Source

Binder

## Module

IEWBXCWX

---

|                 |  |
|-----------------|--|
| <b>IEW2537W</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> REFERENCES SECTION IDENTIFIER <i>esd-id</i> WHICH DOES NOT CONTAIN A VALID SD.</b> |
|-----------------|--|

## Explanation

A load module or object module being included contains invalid SYM entries. (They reference a non-existent section).

## System action

SYM data will be associated with the module as a whole.

## User response

Check module being included. It contains invalid data.

## Source

Binder

## Module

IEWBXWRE

---

|                 |  |
|-----------------|--|
| <b>IEW2538E</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> ATTEMPTED TO ADD TEXT TO SECTION <i>esd-id</i> WHICH DOES NOT EXIST.</b> |
|-----------------|--|

## Explanation

A load module or object module being including contained text associated with an invalid ESD ID.

## System action

The module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |  |
|-----------------|--|
| <b>IEW2539E</b> | <b>MODULE <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> CONTAINS NO VALID ESD RECORDS.</b> |
|-----------------|--|

## Explanation

A load module or object module being included contains no valid ESD records.

## System action

The module is not included.

## User response

Check module being included. It contains invalid data and may need to be recreated.

## Source

Binder

## Module

IEWBXWRE

---

|                 |  |
|-----------------|--|
| <b>IEW2540W</b> | <b>THERE IS NO EXTERNAL ENTRY FOR ALIAS <i>alias-name</i> AT OFFSET <i>offset</i>. ALIAS WAS NOT INCLUDED.</b> |
|-----------------|--|

## Explanation

An attempt was made to accept an alias from an included load module. The entry point of the alias did not point to an external symbol.

## System action

The alias was not included.

## User response

Correct the source so that entry point specification designates a location with a valid external entry name.

## Source

Binder

## Module

IEWBXCRW, IEWBXCLW, IEWBXCPW

---

|                 |  |
|-----------------|--|
| <b>IEW2541S</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>concatenation</i> CONTAINS A BLOCK OF SIZE <i>block-size</i> WHICH IS LONGER THAN THE DATA SET BLKSIZE.</b> |
|-----------------|--|

---

## Explanation

A load module being included contains a block which is longer than the PDS BLKSIZE.

## System action

Module is not included.

## User response

An override BLKSIZE may be coded on the DD statement. To permanently increase the BLKSIZE of the data set, the override must be used when writing to the data set.

## Source

Binder

## Module

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2542E</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> CONTAINS A CONTROL/ESD ITEM WHICH REFERENCES SECTION <i>section_name</i> AT A NEGATIVE OFFSET FROM THE ESD DEFINITION.</b> |
|-----------------|--|

---

## Explanation

Text was found in an input load module or program object that was positioned before the start of its containing section.

## System action

The load module or program object identified by the displayed ddname and member name has been discarded.

## User response

The load module or program object was either created in error or has since been corrupted (possibly by a utility program). Contact appropriate support personnel and recreate the load module or program object.

## Source

Binder

## Module

IEWBXCLW, IEWBXWRE

---

|                 |   |
|-----------------|---|
| <b>IEW2543W</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>concatenation</i> CONTAINS A CONTROL RECORD WITH A COUNT FIELD OF <i>count</i> WHICH IS NOT EQUAL TO THE PHYSICAL RECORD LENGTH <i>record-length</i> IN THE LOAD MODULE.</b> |
|-----------------|---|

---

**Explanation**

For an included load module, the count field in the CCW of a control record does not equal the length of a succeeding text record in the load module on DASD.

**System action**

Processing continues.

**User response**

Check the return and reason codes and correct the problem if user controlled.

**Source**

Binder

**Module**

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2544E</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>concatenation</i> CONTAINS AN IDR RECORD WITH AN INVALID LENGTH.</b> |
|-----------------|---|

**Explanation**

For an included load module, the length field in the IDR must have a value between 6 and 255.

**System action**

The load module identified has been discarded. The load module was either created in error or has since been corrupted.

**User response**

Recreate the load module.

**Source**

Binder

**Module**

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2545S</b> | <b>MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i> WITH CONCATENATION NUMBER <i>concatenation</i> IS MISSING TEXT AT THE START OF THE MODULE.</b> |
|-----------------|--|

**Explanation**

The directory entry for this load module has PDS2ORG0 set, but the module does not have any text at offset 0.

**System action**

The module will not be processed.

## User response

Rebuild the module if a valid copy is not available.

## Source

Binder

## Module

IEWBXCRW

---

|                 |   |
|-----------------|---|
| <b>IEW2546I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS BEING SEARCHED FOR IN THE DATA SET IDENTIFIED BY DDNAME <i>ddname</i>.</b> |
|-----------------|---|

## Explanation

The traced symbol is searched in MVS library during AUTOCALL. This message gives the information of this MVS library (*ddname*).

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

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|                 |  |
|-----------------|--|
| <b>IEW2547I</b> | <b>SYMTRACE: SYMBOL <i>symbol</i> IS BEING SEARCHED FOR IN PATH <i>pathname</i>.</b> |
|-----------------|--|

## Explanation

The traced symbol is searched in a z/OS UNIX library (a directory or an archive file) during AUTOCALL. This message gives the information of this z/OS UNIX library (*pathname*)

## System action

N/A

## User response

N/A

## Source

Binder

## Module

N/A

---

**IEW2550E****THE END RECORD OF THE CURRENT OBJECT MODULE CONTAINS AN  
INVALID ENTRY POINT IDENTIFIER.****Explanation**

The object module END record is invalid. It contains an ESD ID which is not defined in the ESD records for this module.

**System action**

The entry point information from the END record is not used in the determination of the module entry point.

**User response**

Check the object module END record. The object module may need to be rebuilt from the source.

**Source**

Binder

**Module**

IEWBXCOF

---

**IEW2551E****THE ENTRY NAME *symbol* ON THE CURRENT OBJECT MODULE END  
RECORD IS NOT A DEFINED NAME IN THIS MODULE.****Explanation**

The object module END record is invalid. It contains an entry name which does not appear in the ESD records for this module.

**System action**

The entry point information from the END record is not used in the determination of the module entry point.

**User response**

Check the object module END record. The object module may need to be rebuilt from the source.

**Source**

Binder

**Module**

IEWBXCOF

---

**IEW2552E****RECORD NUMBER *number* OF THE CURRENT OBJECT MODULE HAS AN  
INVALID LENGTH FIELD.****Explanation**

The length field in the object module record is invalid. The length field is columns 11 thru 12 of the record.

**System action**

The ESD or TEXT record will not be included.

## User response

Check the object record indicated. The object module is invalid and may need to be rebuilt from source.

## Source

Binder

## Module

IEWBXCOF, IEWBXR00

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|                 |  |
|-----------------|--|
| <b>IEW2553E</b> | <b>RECORD NUMBER <i>number</i> OF THE CURRENT OBJECT MODULE REFERS TO UNKNOWN ESDID <i>number</i>.</b> |
|-----------------|--|

---

## Explanation

An object record references an ESD ID which has not yet been defined by an ESD entry.

## System action

The module will not be included.

## User response

Check the object record indicated. Check prior messages for rejected ESDs. The object module is invalid and may need to be rebuilt from source.

## Source

Binder

## Module

IEWBXCOF

---

|                 |  |
|-----------------|--|
| <b>IEW2554E</b> | <b>RECORD NUMBER <i>number</i> OF THE CURRENT OBJECT MODULE IS OF AN UNKNOWN TYPE.</b> |
|-----------------|--|

---

## Explanation

Object module contains a record whose type identifier is not ESD, SYM, RLD, TXT, or END. This identifier should be in columns 2 thru 4 of the record.

## System action

The module will not be included.

## User response

Check the object record indicated. It contains invalid data and may need to be recreated from the source.

## Source

Binder

## Module

IEWBXCOF



---

**IEW2555E****END OF OBJECT MODULE FOUND BEFORE END RECORD.****Explanation**

End of file encountered before END record for object module.

**System action**

The object module will not be processed. Workmod is unchanged.

**User response**

Check the object file. It appears to have been truncated.

**Source**

Binder

**Module**

IEWBXCOF

---

**IEW2556W****RECORD NUMBER *number* OF THE CURRENT OBJECT MODULE HAS AN  
INVALID OBJECT IDENTIFIER IN COLUMN 1.****Explanation**

Object module records are required to have X'02' in column 1.

**System action**

The record in error will be skipped.

**User response**

Check the object module. Blank records or control statement records inside an object module will result in this error message. Control statements should be positioned before or after the object module.

**Source**

Binder

**Module**

IEWBXCOF

---

**IEW2557W****THE LABEL NAME *label* ON THE ESD RECORD WITH SEQUENCE  
*sequence\_number* WITHIN MEMBER *member\_name* IDENTIFIED BY  
DDNAME *ddname* WAS PREVIOUSLY DEFINED. THE LABEL DEFINITION  
IS DISCARDED.****Explanation**

The label name is already defined so this label will be discarded.

**System action**

The label definition is ignored.

## User response

Check the object module. Control statements should be positioned before or after the object module.

## Source

Binder

## Module

IEWBXCOF

---

|          |  |
|----------|--|
| IEW2558W | THE SECTION NAME <i>section_name</i> ON THE ESD RECORD WITH SEQUENCE <i>sequence_number</i> WITHIN MEMBER <i>member_name</i> IDENTIFIED BY DDNAME <i>ddname</i> WAS PREVIOUSLY DEFINED AS A LABEL. THE SECTION IS DISCARDED. |
|----------|--|

## Explanation

Section name was defined as a label. It is discarded.

## System action

The section name is discarded.

## User response

Check the object module. Control statements should be positioned before or after the object module.

## Source

Binder

## Module

IEWBXCOF

---

|          |  |
|----------|--|
| IEW2571E | RMODE 64 IS NOT ALLOWED FOR LANGUAGE ENVIRONMENT PROGRAMS. |
|----------|--|

## Explanation

Binder options RMODEX and RMODE=64 are not allowed for binding AMODE 64 Language Environment programs, as Language Environment does not support RMODE 64 execution.

## System action

RMODE 64 is treated as RMODE ANY.

## Programmer response

Remove binder options RMODEX or RMODE=64, or both.

## Source

Binder

## Module

IEWBBIND

---

|                 |  |
|-----------------|--|
| <b>IEW2572E</b> | <b><i>size</i> BYTE ADCON IN SECTION <i>sectionname</i> AT OFFSET <i>offset</i> IN CLASS <i>classname</i> REFERENCE TO SYMBOL <i>symbolname</i> CANNOT BE RELOCATED.</b> |
|-----------------|--|

---

## Explanation

An adcon less than 8 bytes long was found in a RMODE 64 module, or an adcon less than 4 bytes long was found in a RMODE ANY module. The adcon cannot be relocated, since the adcon may not be big enough to contain the address where the module was loaded.

## System action

Results of relocation are unpredictable.

## Programmer response

Check code producing the adcon, or update binder option RMODEX and/or RMODE.

## Source

Binder

## Module

IEWBXCR1

---

|                 |   |
|-----------------|---|
| <b>IEW2573E</b> | <b>USER-SPECIFIED AMODE(<i>amode</i>) AND RMODE(64) ARE INCOMPATIBLE.</b> |
|-----------------|---|

---

## Explanation

The specified AMODE and RMODEX/RMODE=64 are incompatible. Since the user-specified AMODE is less than 64, the program may not be able to address the storage location at which the module is loaded.

## System action

AMODE and RMODE remains as specified. Results are unpredictable.

## Programmer response

Change or remove the AMODE and RMODE specifications.

## Source

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2574W</b> | <b>RESULTANT AMODE(<i>amode</i>) AND USER-SPECIFIED RMODE(64) ARE INCOMPATIBLE FOR <i>entry-section</i>.</b> |
|-----------------|--|

---

## Explanation

The user specified that the module was RMODE(64) but the AMODE was not specified. The binder rules for determining the AMODE of the entry point contained in entry-section, resulted in an AMODE less than 64. Since the resulting AMODE is less than 64, the program may not be able to address the storage location at which the module is loaded.

## System action

AMODE is changed to 64. Results are unpredictable.

## User response

Either remove the RMODE specification or recompile each AMODE(24/31) section with AMODE(64).

## Source

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2575W</b> | <b>ESD RMODE(<i>rmode</i>) CONFLICTS WITH USER-SPECIFIED RMODE(64)<br/>FOR SECTION <i>section-name</i> CLASS <i>classname</i>.</b> |
|-----------------|--|

---

## Explanation

The more restrictive RMODE(*rmode*) indicated in the ESD record for the section has been overridden by a RMODE(64) specification on a control statement, batch parameter or SETOPTION function call. This may cause the program to fail during execution.

## System action

RMODE(*rmode*) remains as specified. Results are unpredictable.

## User response

Ensure that the named section does not contain data, such as data management control blocks, which must be located below 2GB. To eliminate this message in future binds, either recompile the section with the RMODE(64) or change the override.

## Source

Binder

## Module

IEWBXCWR, IEWBXCWP

---

|                 |  |
|-----------------|--|
| <b>IEW2576I</b> | <b>RESULTANT AMODE(<i>amode</i>) OF ENTRY POINT AND RMODE(<i>rmode</i>) OF<br/>SEGMENT <i>segmentNumber</i> MAY BE INCOMPATIBLE.</b> |
|-----------------|--|

---

## Explanation

When entered at the entry point with AMODE *amode* the program may not be able to execute code in segment *segmentNumber*. AMODE switching instructions would be necessary. Normally when neither AMODE nor RMODE are user-specified the binder ensures they are compatible. However the binder can only do that for the first

segment, since the purpose of multi-segment modules provide the ability to have multiple RMODEs in one program module.

### System action

Processing continues.

### User response

Ensure AMODE is switched correctly before executing code in segment *segmentNumber*. Alternatively it may be possible to increase the AMODE of the entry point, or to reduce the RMODE of segment *segmentNumber* such as by using the RMODE option.

### Source

Binder

### Module

IEWBXCDL

---

**IEW2577E** **INVALID UUID VALUE *uuid* FOUND IN SETUUID CONTROL STATEMENT.**

### Explanation

The binder detected an invalid UUID value for SETUUID.

### System action

The invalid UUID is not processed.

### User response

The SETUUID parameter should only be provided when authorized to do so by IBM. Software vendors can contact IBM Partner Plus for details on qualifying for and obtaining a valid UUID.

### Source

Binder

### Module

IEWBICPA

---

**IEW2580W** **THE LAST IDRU IMAGE IS INCOMPLETE. THE IDRU IS DROPPED.**

### Explanation

The last user identification entry in an input load module or program object is incomplete.

### System action

The user identification entry is not kept.

### User response

Check the IDR data in the input load module.

## Source

Binder

## Module

IEWBXCRW

---

|                 |  |
|-----------------|--|
| <b>IEW2602I</b> | <b>ALIAS <i>alias-name</i> HAS BEEN ASSOCIATED WITH THE PRIMARY ENTRY POINT IN CLASS <i>class-name1</i>, BECAUSE EXTERNAL SYMBOL <i>symbol-name</i> IS IN CLASS <i>class-name2</i>, WHICH IS NOT THE CLASS OF THE PRIMARY ENTRY POINT.</b> |
|-----------------|--|

---

## Explanation

An alias *alias-name* was specified, without explicitly specifying an external entry symbol to which it was to correspond. The specified *alias-name* matches the name of an external entry symbol, which is not in the first class of the first segment.

## System action

The alias name will be associated with the primary entry point name (made to be a "true alias"). Thus execution of the resultant module by this *alias-name* will execute at the same entry point as the primary entry point.

## User response

No action is necessary unless the user needs to execute the module using this *alias-name*. If that is the case, make sure that it was intended to be a "true alias". If not, it may be desirable to use an alias specification of *alias-name* with an explicit external entry symbol.

## Source

Binder

## Module

IEWBXCIL

---

|                 |  |
|-----------------|--|
| <b>IEW2603I</b> | <b>Compression requested, but no savings was realizable. Reason code</b> |
|-----------------|--|

---

## Explanation

COMPRESS=YES was specified as an option, but the object could not be compressed for one of the following reasons specified by code:

### 11

Compressing the code would not save any space.

### 12

Insufficient storage was available to allocate buffers needed for compression.

### 13

The compression dictionary in use did not support this particular program object.

## System action

The operation will continue, and the resulting object will be stored in uncompressed format.

## User response

To eliminate the message remove the COMPRESS=YES option.

## Source

Binder

## Module

IEWBXZIP

**IEW2604W**

**Compression is not supported for a *version* program object.**

### Explanation

This message, with an appropriate version identifier inserted, will be produced when COMPRESS=YES is specified as an option, and one of the following is true:

- An overlay structure is used.
- A COMPAT value is specified that will force compatibility with a version earlier than z/OS V2R7.

### System action

The operation will continue, and the resulting object will be stored in uncompressed format.

## User response

To eliminate the message either remove the COMPRESS=YES option or the specified COMPAT value.

## Source

## Binder

## Module

IEWBXZIP

**IEW2605W**

**SCATTER OPTION INVALID FOR PROGRAM OBJECT.**

### Explanation

SCTR = YES is not supported for program objects.

## System action

The program object will not have the scatter-loadable attribute.

## User response

Remove scatter option or specify a PDS program library for SYSLMOD.

## Source

## Binder

## Module

IEWBXCDL

**IEW2606S**

**MODULE INCORPORATES *feature\_level* FEATURES AND CANNOT BE SAVED IN *format\_level* FORMAT.**

## Explanation

An attempt is being made to save a module in a format that is incompatible with the features being used. Certain characteristics of the module, such as symbol length or special classes, prevent it from being saved in the specified format.

In the message text:

### ***feature\_level***

VERSION *n* PROGRAM OBJECT.

### ***format\_level***

Can be:

- LOAD MODULE
- VERSION *n* PROGRAM OBJECT
- A z/OS COMPATIBLE PROGRAM OBJECT

A load module is stored in a standard PDS (DSNTYPE=PDS). A program object is stored in a LIBRARY or z/OS UNIX file. The VERSION *n* form is used as described for *feature\_level*.

## System action

The load module or program object cannot be saved.

## User response

Change the target library (for example, SYSLMOD) to be one of the following types:

- DSN=LIBRARY (which is also known as a PDS/E) or z/OS UNIX System Services.
- Either remove the COMPAT option or change it to specify a more recent level.

## Source

Binder

## Module

IEWBXCSP, IEWBXCWL, IEWBXCWP, IEWBXCWR

**IEW2607E**

---

**ALIAS NAME *alias-name* EXCEEDS MAXIMUM LENGTH ALLOWED FOR  
VERSION 1 PROGRAM OBJECT OR LOAD MODULE.**

## Explanation

Alias names may not exceed 8 bytes for load modules or 64 bytes for version 1 program object.

## System action

Alias not processed.

## User response

Change alias control statement or ANAME on ADDA call, or rebind as a program object.

## Source

Binder



## Module

IEWBXCDR

---

|                 |  |
|-----------------|--|
| <b>IEW2608I</b> | <b>ALIAS <i>alias-name</i> REPLACES ALIAS OF THE SAME NAME IN MODULE <i>module-name</i>.</b> |
|-----------------|--|

---

## Explanation

The alias added was removed from the other module in the output library.

## System action

Processing continues.

## User response

None if the result is what is expected.

## Source

Binder

## Module

IEWBXCDR

---

|                 |  |
|-----------------|--|
| <b>IEW2609W</b> | <b>SECTION <i>section-name</i> USABILITY ATTRIBUTE OF <i>usability-option</i> CONFLICTS WITH REQUESTED USABILITY OF <i>usability-option</i>.</b> |
|-----------------|--|

---

## Explanation

The usability for the named section was less than that specified by the user option.

## System action

The module is created with the usability as specified in option.

## User response

Change the usability option (RENT, REUS, etc).

## Source

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2610I</b> | <b>ALIAS <i>alias-name</i> IS THE SAME AS THE PRIMARY NAME ASSIGNED TO THE MODULE.</b> |
|-----------------|--|

---

## Explanation

An alias name requested matched the primary name to be assigned to the module.

## System action

The alias is not added.

## User response

Remove the alias request for 'alias-name' or use a different name.

## Source

Binder

## Module

IEWBXCDR

---

|                 |  |
|-----------------|--|
| <b>IEW2611E</b> | <b>ALIAS <i>alias-name</i> CANNOT REPLACE MODULE WITH SAME NAME.</b> |
|-----------------|--|

---

## Explanation

Alias name was not saved. There was an identical primary name in the output library. This message is issued whether the ADD or REPLACE option is selected.

## System action

The alias is not added.

## User response

Check the alias name. Either change the alias name or delete the module with the same name.

## Source

Binder

## Module

IEWBXCDR

---

|                 |   |
|-----------------|---|
| <b>IEW2612E</b> | <b>EXTERNAL SYMBOL <i>target_name</i> IS NOT DEFINED FOR ALIAS <i>alias-name</i>.</b> |
|-----------------|---|

---

## Explanation

When saving a bound module an alias entry could not be saved. The entry had an associated target which did not match any existing external entry name in the module. Aliases and targets are defined by ALIAS control statements, ADDA call, or by INCLUDE with ALIAS=Y.

## System action

Alias name not saved.

## User response

Check the alias control statements or the ADDALIAS statement if using the call interface. Check for statements which may have caused the alias to go away. Re-bind with INCLUDE ALIAS=N (default for the batch interface) and provide specific control statements or ADDALIAS calls for each alias and target required.

## Source

Binder

## Module

IEWBXCDR

---

**IEW2613I** ENTRY POINT *entry-point-name* NOT ON HALFWORD BOUNDARY.

## Explanation

The specified entry name was not defined on a halfword boundary.

## System action

Processing continues.

## User response

Check alias entry point to ensure it is defined as intended.

## Source

Binder

## Module

IEWBXCDR

---

**IEW2614S** ALIAS NAME *alias-name* EXCEEDS MAXIMUM LENGTH ALLOWED FOR VERSION 1 PROGRAM OBJECT OR LOAD MODULE.

## Explanation

Alias names may not exceed 8 bytes for load modules or version 1 program object in a non-z/OS UNIX file.

## System action

Binder processing ends.

## User response

Change alias control statement.

## Source

Binder

## Module

IEWBXCIL

---

**IEW2615E** MODULE NAME *name* EXCEEDS THE MAXIMUM NAME LENGTH ALLOWED FOR A MEMBER IN THE SIDE FILE DATA SET.

## Explanation

The binder attempted to write the side definition file as a member of a library, but the module name was longer than the maximum length allowed for member names. This happens if the SYSLMOD data set is for an z/OS UNIX file and its file name is greater than 8 characters. The binder uses this file name to create the side file member.

## System action

The side file was not saved.

## User response

Specify a shorter z/OS UNIX file name for the module or assign the side file to either an z/OS UNIX file or a sequential file.

## Source

Binder

## Module

IEWBXSDG

---

|                 |   |
|-----------------|---|
| <b>IEW2616W</b> | <b>IMPORT STATEMENT(S) CREATED WITH LONG DLL NAME <i>dllname</i>.</b> |
|-----------------|---|

---

## Explanation

In creating the definition side file, the binder has used the name specified on the NAME control statement or SAVEW API call for the DLLNAME parameter on the generated IMPORT statement(s). However, the name exceeds eight bytes and the module has been saved in a PDS or PDSE program library. Any applications using these IMPORT statements will be unable to dynamically link to this module. Long names should not be used for DLLs unless the DLL will be saved in an z/OS UNIX file. The loading and linking of PDS- and PDSE-resident DLLs requires MVS supervisor assisted linkage, which limits names to eight bytes. When saving a module with a long name, the binder will generate an eight-byte member name for the module, but this name is subject to change as the member is copied from library-to-library and has therefore not been used for the IMPORT statements.

## System action

The side file is saved and processing continues.

## User response

Re-bind the module, specifying a short (less than or equal to eight bytes) name, or edit the side file, replacing the long DLL name with the eight-byte binder-generated member name.

## Source

Binder

## Module

IEWBXSDG

---

|                 |  |
|-----------------|--|
| <b>IEW2617I</b> | <b>DEFINITION SIDE FILE IS EMPTY. THERE ARE NO SYMBOLS TO BE EXPORTED.</b> |
|-----------------|--|

---

## Explanation

The DYNAM(DLL) binder option was specified, but the input did not contain an IMPORT/EXPORT table. An empty side definition file was created.

## System action

Processing continues.

### User response

None if result is what is expected.

### Source

Binder

### Module

IEWBXSDG

---

**IEW2618E RMODE 64 ATTRIBUTES HAVE BEEN CHANGED TO RMODE ANY.**

### Explanation

A module containing ESDs marked is rmode 64 is being saved to a load module. Load modules do not support rmode 64.

### System action

The rmode field in the ESDs will be changed from rmode 64 to rmode any.

### User response

None.

### Source

Binder

### Module

IEWBXCWR

---

**IEW2619W AMODE 64 IS NOT SUPPORTED FOR EXPORTED SYMBOLS.**

### Explanation

The generation of a side file has been stopped. It will not contain all the needed import statements and should not be used.

### System action

Processing continues.

### User response

Avoid use of Amode 64 exported symbols.

### Source

Binder

### Module

IEWBXSDG

---

**IEW2620E DIRECTORY ALIAS NAME *aliasname* IS NOT FOUND FOR ALIAS *aliasname*.**

## Explanation

Alias specified in DNAME of ADDA call is not found in directory of include module.

## System action

MISSING INFO.

## User response

Please check the following items:

1. If you specified ALIASES=K/Y for the INCLUDE call.
2. If Alias exists in the directory of the include module.

## Source

Binder

## Module

MISSING INFO.

---

**IEW2621E**

**EXISTING ALIAS NAME *alias-name* WITHIN MODULE *module-name*  
MATCHES ALIAS BEING ADDED.**

## Explanation

REPLACE=NO was specified or was the default, but another member with an alias of the same name exists. The indicated alias name will remain as an alias of the existing member.

## System action

New alias was not added.

## User response

Change alias name or delete existing alias and re-bind.

## Source

Binder

## Module

IEWBXCDR

---

**IEW2622E**

**A SIGNED MODULE IS BEING SAVED TO A MODULE FORMAT WHICH  
DOES NOT SUPPORT SIGNING.**

## Explanation

Module containing a signature section is being saved to a PDS or a PM1 or PM2 format program object.

## System action

The information will not be used. The module will not be marked as signed.

### User response

Do not specify the SIGN option, or specify the COMPAT option with a level of ZOSV1R2 or greater. Ensure that the module is not being saved to a PDS.

### Source

Binder

### Module

IEWBXCWL, IEWBXCWP, IEWBXCWR

---

|                 |  |
|-----------------|--|
| <b>IEW2623E</b> | <b>UNEXPECTED RETURN CODE FROM RACF yyyy CALL PROGRAM<br/>SIGNATURE GENERATION FAILED. RACF FUNCTION xxxx RETURNED<br/>SAF RETURN CODE aaaa RACF RETURN CODE bbbb RACF REASON<br/>CODE cccc.</b> |
|-----------------|--|

### Explanation

RACF call failed with the indicated reason and return code. These codes are documented in the manual [z/OS Security Server RACF Callable Services](#).

### System action

Module will be built. Signature section might exist but will be empty. The sign bit is not set.

### User response

Correct the problem indicated by the RACF reason code returned by the RACF service.

### Source

Binder

### Module

IEWBIND, IEWBXSGN

---

|                 |  |
|-----------------|--|
| <b>IEW2624E</b> | <b>RACF FUNCTION xxxx RETURNED SAF RETURN CODE aaaa RACF<br/>RETURN CODE bbbb RACF REASON CODE cccc.</b> |
|-----------------|--|

### Explanation

RACF call failed with the indicated reason and return code. These codes are documented in the manual [z/OS Security Server RACF Callable Services](#). This message is currently issued only for the RACF SIGCLEAN callable service.

### System action

Processing Continues.

### User response

Take recommended actions for any previous binder error messages. Also check the meaning of the RACF reason code in the manual [z/OS Security Server RACF Callable Services](#) and correct the error if appropriate.

## Source

Binder

## Module

IEWBWDEL, IEWBWRST

---

**IEW2625I**

**EXISTING ALIAS *alias-name* WILL BE DROPPED FROM MODULE *member-name* WHEN IT IS REPLACED.**

## Explanation

An alias which exists for the member will be dropped when the member is saved because it was not respecified for the output module.

## System action

Processing continues.

## User response

None if result is what is expected.

## Source

Program Management (Binder)

## Module

IEWBXCIL

---

**IEW2626S**

**DUPLICATE MEMBER *member-name* IN LIBRARY.**

## Explanation

REPLACE was not specified or was defaulted to NO and a member of the same name exists.

## System action

Module not saved.

## User response

Specify replace on the NAME control statement or SAVEW request.

## Source

Binder

## Module

IEWBXCDR, IEWBXPNM

---

**IEW2627I**

**ALIAS *alias-name* OF MODULE *module-name* WAS REPLACED BY THE MODULE BEING SAVED.**

## Explanation

An alias name belonging to another module in this library was reassigned to point to the module being saved.



## System action

Existing alias replaced.

## User response

Make sure the replacement of the alias was intentional.

## Source

Binder

## Module

IEWBXCDR

---

**IEW2628E**

**THE RELATIVE IMMEDIATE REFERENCES ACROSS SEGMENTS AT  
OFFSET *offset* IN SECTION *section\_name* AND CLASS *class\_name*  
CANNOT BE RELOCATED.**

## Explanation

A two byte or four byte relative immediate reference across segments were found in a module. For two byte adcons, the relative immediate references across segments are not allowed. For four byte adcons, the relative immediate references across segments cannot be relocated if either segment is RMODE 64.

## System action

The relative immediate references across segments cannot be relocated. Processing continues.

## User response

For two byte relative immediate references, ensure that the references are within a single segment. For four byte relative immediate references across segments, ensure that both segments are not RMODE 64.

## Source

Binder

## Module

IEWBXCRL

---

**IEW2629W**

**ADCONS OVERLAP FOR SECTION *section-name* IN TEXT CLASS  
*text\_class\_name* AT MODULE OFFSET *offset* BUT THEY DO NOT ALIGN.**

## Explanation

During save processing, overlapping adcons were found. The end of one address constant overlaps the start of the next address constant.

## System action

Each adcon will be relocated with unpredictable results.

## User response

Check the source code that generated the adcon.

## Source

Binder

## Module

IEWBXCRL

---

|                 |  |
|-----------------|--|
| <b>IEW2630E</b> | <b>RLD AT OFFSET <i>offset</i> IN SECTION <i>section</i> AND CLASS <i>class</i> HAS AN INVALID TARGET CLASS.</b> |
|-----------------|--|

---

## Explanation

A relocatable adcon has a deferred load class as its target but it is in a different class or segment. Such an adcon cannot be relocated. For example, this error message would be produced if the source code requested the building of a descriptor in WSA and attempted to reference it with an A-con or V-con from an initial load class.

## System action

Processing continues.

## User response

If the source code is in a high-level language, this is likely to be a compiler error. Otherwise, correct the source code by changing the adcon to a non-relocatable type.

## Source

Binder

## Module

IEWBXCRL

---

|                 |   |
|-----------------|---|
| <b>IEW2631W</b> | <b>ALIASES=ALL WAS REQUESTED BUT <i>symbol</i> IS TOO LONG.</b> |
|-----------------|---|

---

## Explanation

A defined symbol met all the criteria for creating an alias under the ALIASES=ALL option except that it was too long. The limit for the length of an alias name is 1024 bytes.

## System action

An alias will not be created for the symbol. Processing of other symbols for the ALIASES=ALL option continues.

## User response

If possible, replace the symbol with a shorter one. Otherwise, because the alias was not created, it cannot be used for autocall or any other purpose.

## Source

Binder

## Module

IEWBXCWP

---

|                 |   |
|-----------------|---|
| <b>IEW2632T</b> | <b>INSUFFICIENT STORAGE TO CREATE A PROGRAM OBJECT.</b> |
|-----------------|---|

---

## Explanation

Data space storage to create the program object was not available, so the binder attempted to use virtual storage out of the user's address space, but there was not enough available.

## System action

Processing for the member terminates.

## User response

Ensure that both the region specified and the installation limits for data space size are adequate.

## Source

Binder

## Module

IEWBXCRL

---

|                 |   |
|-----------------|---|
| <b>IEW2633W</b> | <b>TWO BYTE ADCON DEFINED IN SECTION <i>section-name</i> AT OFFSET <i>offset</i> IN TEXT CLASS <i>target-class</i> CANNOT BE RELOCATED.</b> |
|-----------------|---|

## Explanation

A two byte adcon was found in a program object within the section indicated at the offset indicated. The adcon cannot be relocated.

## System action

Processing continues, but the RLD cannot be relocated.

## User response

Check code generating the adcon.

## Source

Binder

## Module

IEWBXCRL, IEWBXCWM

---

|                 |   |
|-----------------|---|
| <b>IEW2635I</b> | <b>THREE BYTE ADCON IN SECTION <i>section-name</i> AT OFFSET <i>offset</i> IN CLASS <i>class-name</i> WITH RMODE=ANY CANNOT BE RELOCATED.</b> |
|-----------------|---|

## Explanation

A three byte adcon was found in a module with RMODE=ANY. The adcon cannot be relocated if the program is loaded above 16 meg.

## System action

Results of relocation are unpredictable if the module is loaded above the 16 meg line.

## User response

Check code generating the adcon or ensure that RMODE=24 is specified. In the load and go environment, this message is only issued for the first three byte adcon that it finds.

## Source

Binder

## Module

IEWBXCWL, IEWBXCWP, IEWBXCWR, IEWBXCWS

---

|                 |   |
|-----------------|---|
| <b>IEW2636S</b> | <b>MODULE BOUND IN OVERLAY FORMAT MAY NOT BE LOADED FROM A UNIX FILE.</b> |
|-----------------|---|

## Explanation

A z/OS UNIX file was specified as the target of a SAVE for a workmod bound in overlay format. Although such a module might be stored in a z/OS UNIX file and used as input to a subsequent invocation of the binder, it cannot be loaded for execution from the z/OS UNIX file.

## System action

Processing continues.

## User response

Set OVLY to no (or allow it to default), or change the JCL to allocate to a PDS or PDSE data set.

## Source

Binder

## Module

IEWBXCWL, IEWBXCWP, IEWBXPNM, IEWBXCDR

---

|                 |   |
|-----------------|---|
| <b>IEW2637E</b> | <b>TWO-BYTE RELATIVE REFERENCE WAS ENCOUNTERED WITH SCTR REQUEST AT OFFSET <i>offset</i> IN CLASS <i>class_name</i>, SECTION <i>section_name</i>.</b> |
|-----------------|---|

## Explanation

A two byte relative immediate reference and a user request for scatter load option (SCTR) were encountered. For scatter loading, only four byte relative immediate reference is supported.

## System action

Processing continues.

## User response

Correct either the SCTR option or use four byte relative immediate reference for scatter loading.

## Source

Binder

## Module

IEWBXCTR

---

**IEW2638S**

**AN EXECUTABLE VERSION OF MODULE *member* EXISTS AND CANNOT BE REPLACED BY THE NON-EXECUTABLE MODULE JUST CREATED.**

## Explanation

An error code greater than the LET option was encountered, so the output module is considered non-executable. It cannot replace an executable module of the same name in the target library unless STORENX is specified. STORENX was not specified so the module will not be saved.

## System action

Existing module not replaced.

## User response

Check for other error messages. Either correct the indicated errors, increase the value for LET, or specify STORENX.

## Source

Binder

## Module

IEWBXCWL, IEWBXCWP, IEWBXPNM, IEWBXCDR

---

**IEW2639S**

**MODULE NAME CANNOT BE DETERMINED.**

## Explanation

A module name was not provided in JCL for the target data set nor was it provided on the user save request.

## System action

The module is not saved. However, if the user invoked the binder via the IEWBLINK entry point, or if the save request was generated by a NAME control statement, an attempt will be made to save the module under TEMPNAMn.

## User response

Specify name to be assigned to output module.

## Source

Binder

## Module

IEWBXCWL, IEWBXCWP, IEWBXPNM, IEWBXCDR

---

**IEW2640E**

**ONE OR MORE EXTERNAL NAMES EXCEED THE LENGTH LIMITATIONS OF THE TARGET FORMAT.**

## Explanation

During save processing, an external name longer than that supported by the target of the save was found.

## System action

External names will not be saved in the target module and the module will be marked not-editable.

## User response

Reduce the name lengths and rerun the job, or change the target library specification. Depending on the value of LET, the module may be saved. However, the module will be marked not editable and cannot be re-bound.

## Source

Binder

## Module

IEWBXCWR, IEWBXCWL, IEWBXCWP

---

|                 |  |
|-----------------|--|
| <b>IEW2641S</b> | <b>MODULE EXCEEDS THE LENGTH LIMITATIONS OF THE TARGET FORMAT.</b> |
|-----------------|--|

---

## Explanation

Text exceeds maximum size supported by the format of the target library.

## System action

Module not saved.

## User response

Reduce the size of the module or restructure it as several separately loadable pieces or change the target library.

## Source

Binder

## Module

IEWBXCWR, IEWBXCWL, IEWBXCWP

---

|                 |  |
|-----------------|--|
| <b>IEW2642E</b> | <b>A RELATIVE REFERENCE WAS ENCOUNTERED IN OVERLAY MODULE AT OFFSET <i>offset</i> IN CLASS <i>class_name</i>, SECTION <i>section_name</i>.</b> |
|-----------------|--|

---

## Explanation

A relative immediate reference was encountered in overlay module. The overlay is not supported for relative immediate reference in load module.

## System action

Processing continues.

## User response

Do not use overlay when using relative immediate reference in load module.

## Source

Binder

## Module

IEWBXCTR

---

**IEW2643E**

**A QCON EXPRESSION WAS FOUND IN A LOAD MODULE.**

## Explanation

QCON expressions are not supported in load modules. Although the module may be executable, the Qcon (and the module) cannot be reconstructed.

## System action

Module is saved as a PDS load library, but the QCON offset information will not be preserved.

## User response

Re-bind module and save it in a PDSE program library.

## Source

Binder

## Module

IEWBXCWR

---

**IEW2645W**

**INCONSISTENT DATA WAS DETECTED IN AN EXTENDED OBJECT  
MODULE IN MEMBER *member-name* IDENTIFIED BY DDNAME *ddname*.  
ERROR ID = *error-id*.**

## Explanation

An error was encountered while processing an Extended Object Module (XOBJ). One of the following has occurred, as indicated by *error-id*. Note that the terms SD, LD, UR, ER and PR are ESD record types and P-pointer and R-pointer refer to the RLD position and relocation pointers, respectively.

### Error-id

#### Description

#### 1540

An XOBJ XSD card has an ESD length greater than zero, but the ESDID for the XSD has no text cards. The ESD type for the XSD can be SD or PR.

#### 1543

An XOBJ END card has an entry point address without an ESDID, or an ESDID without an entry point address. If one is present, they both must be present. If entry point address is present, it will be used.

#### 1544

An XOBJ END card has an entry NAME and either an entry address or an ESDID, or both. If entry NAME is specified, ESDID and entry address should not be present. If Name is present, and entry point address has not been specified, Name will be used; otherwise Name will be ignored.

## System action

Processing continues.

## User response

Correct inconsistent data.

## Source

Binder

## Module

IEWBXXXXH

---

**IEW2646W**

**ESD RMODE(24) CONFLICTS WITH USER-SPECIFIED RMODE(ANY) FOR SECTION *section-name* CLASS *class-name*.**

## Explanation

The RMODE(24) indicated in the ESD record for the named class in the named section has been overridden by an RMODE(ANY) specification on a control statement, batch parameter or SETOPTION function call. This may cause the program to fail during execution.

## System action

RMODE(ANY) remains as specified. Results are unpredictable.

## User response

Ensure that the named class in the named section does not contain data, such as data management control blocks, which must be located below 16 Mb. To eliminate this message in future binds, either recompile the section with the RMODE(ANY) or change the override.

## Source

Binder

## Module

IEWBXCWR, IEWBXCWP, IEWBXCWM, IEWBXCWL

---

**IEW2647E**

**CREATED MODULE HAS MORE THAN 32K ESD ENTRIES.**

## Explanation

There are too many ESD entries to be contained in a load module format. No ESDs are saved in the output module.

## System action

Module written is executable but cannot be used for subsequent bind.

## User response

Re-bind the module as a program object and save it in a PDSE program library.

## Source

Binder

## Module

IEWBXCWR

---

**IEW2648E**

**ENTRY *entry-point-name* IS NOT A CSECT OR AN EXTERNAL NAME IN THE MODULE.**



**Explanation**

The entry name provided by the user on the bind options or the ENTRY control statement does not match a valid label in the module.

**System action**

Entry defaults to first section in module.

**User response**

Correct option or ENTRY control statement.

**Source**

Binder

**Module**

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2649E</b> | <b>ENTRY POINT OFFSET IN SECTION <i>section-name</i> EXCEEDS SECTION LENGTH.</b> |
|-----------------|--|

**Explanation**

The entry offset exceeds the length of the entry section.

**System action**

Entry defaults to first byte of the first section in the module which contains text.

**User response**

Correct the offset in the EP option.

**Source**

Binder

**Module**

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2650I</b> | <b>MODULE ENTRY NOT PROVIDED. ENTRY DEFAULTS TO SECTION <i>section-name</i>.</b> |
|-----------------|--|

**Explanation**

The module entry point was not provided by an object module or as an option in the input parameter string, or as an argument of the SETO function call when using the call interface. The binder defaults the entry point to the first section in the module that is not a common area.

**System action**

Module is saved using the first section as the module entry point.

## User response

Rebind requesting the correct entry point for the module if the result was not desired.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2651W</b> | <b>ESD AMODE <i>amode-value</i> CONFLICTS WITH USER-SPECIFIED AMODE <i>amode-value</i> FOR ENTRY POINT <i>entry-point-name</i>.</b> |
|-----------------|---|

---

## Explanation

The AMODE indicated in the ESD record for the section containing the entry point has been overridden by an AMODE specification on a control statement, batch parameter or ADDALIAS or SETOPTION call, or the system may have changed the default to AMODE 31. If this was the case, this message would have been preceded by message IEW2660. This may cause the program to fail during execution.

## System action

AMODE remains as specified. Results are unpredictable.

## User response

Ensure that the section in question does not contain AMODE sensitive macros or address external storage beyond its addressing range. To eliminate this message in future binds, either recompile the section with the correct AMODE or change the override. For aliases with enames, the alias name can be determined by referencing aliases which have the esd amode from the message and the same offset as the entry point section named in the message.

**Note:** When this message is generated as a result of adding a true alias, the entry point name in the message is the name of the alias. The actual entry section is the module entry point.

When this message is generated as a result of adding an alias with an ename (target) or when INCLUDEing a module with ALIAS=Y, the target name is given as the entry point. When a true alias is INCLUDE'd, the entry of the module retrieved is treated as the target and is printed in the message.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2652W</b> | <b>ALIAS <i>alias-name</i> HAS BEEN MARKED NON-EXECUTABLE, BECAUSE EXTERNAL SYMBOL <i>symbol-name</i> IS IN CLASS <i>class-name</i>, WHICH IS NOT THE CLASS OF THE PRIMARY ENTRY POINT.</b> |
|-----------------|---|

---

## Explanation

An external entry point symbol was explicitly specified to correspond to the alias *alias-name*, resides in a class which is not the first class (and within the first segment) of the module. All entry points of the module are required to reside in the first class, and the class in which the primary entry point resides is always made to be first. Since this is not the case for this *alias-name* the binder has marked it as being not executable. For example

a control statement of the form `ALIAS alias1(external2)` might have been specified, where *external2* is a symbol which does not reside in the first class of the module.

## System action

The resultant module can still be executed at the primary entry point name and any other aliases that are associated with valid entry points. An attempt to execute the module using this *alias-name* or any other alias which is marked as not executable will result in an ABEND706.

## User response

No action is necessary unless the user needs to execute the module using this *alias-name*. If that is the case and the user is able to modify the source code it, they may be able to change it so that the class corresponding to this *alias-name* is the same as the class of the primary entry point. It may also be the case that this *alias-name* was intended to be a "true alias" corresponding to the primary entry point, or associated with some other symbol which is in the first class. If this is the case, the explicitly specified external entry symbol should be removed or changed to some other intended symbol.

## Source

Program Management (Binder).

## Module

IEWBXCIL

---

|                 |   |
|-----------------|---|
| <b>IEW2653E</b> | <b>ENTRY <i>entry-point-name</i> FROM OBJECT MODULE IS NOT A VALID ENTRY POINT.</b> |
|-----------------|---|

## Explanation

The entry name from the first object module END record is not a valid for one of the following reasons:

- the name does not match the name of a section or external symbol.
- the containing section does not have any loadable text.

## System action

Entry defaults to first section in module.

## User response

Use the ENTRY control statement or the EP option to specify the desired entry point, or ensure that the object module containing the correct entry point information is processed first.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2654E</b> | <b>GIVEN ENTRY <i>entry-point-name</i> NOT IN ROOT.</b> |
|-----------------|---|

## Explanation

The module is in overlay format but the requested entry is not in the root segment.

## System action

Entry defaults to the first text byte in the first section in the module.

## User response

Change the overlay segments or remove the overlay option.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2655W</b> | <b>OVERLAY FORMAT CONFLICTS WITH USER-SPECIFIED AMODE <i>amode-value</i>.</b> |
|-----------------|---|

## Explanation

AMODE(31) or AMODE(ANY) has been specified on a control statement, batch parameter, or ADDALIAS or SETOPTION function call, but the OVLY option specified that the module was to be bound in overlay format. Overlay format modules must be bound with AMODE(24).

## System action

AMODE will remain as specified. Results are unpredictable.

## User response

If the module is to be bound in overlay format, do not specify AMODE. It will default to AMODE(24).

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2656W</b> | <b>OVERLAY FORMAT CONFLICTS WITH USER-SPECIFIED RMODE <i>rmode-value</i>.</b> |
|-----------------|---|

## Explanation

RMODE(ANY) has been specified on a control statement, batch parameter, or SETOPTION function call, but the OVLY option specified that the module was to be bound in overlay format. Overlay format modules must be bound with RMODE(24).

## System action

RMODE will remain as specified. Results are unpredictable.

## User response

If the module is to be bound in overlay format, do not specify RMODE. It will default to RMODE(24).

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2657E</b> | <b>USER-SPECIFIED AMODE(ANY) AND RMODE(ANY) ARE INCOMPATIBLE.</b> |
|-----------------|---|

---

## Explanation

The specified AMODE and RMODE are incompatible. AMODE(ANY) may result in the program running in 24-bit addressing mode, which cannot address storage above 16 Mb. RMODE(ANY) implies that the program may be loaded above 16 Mb.

## System action

AMODE and RMODE remains as specified. Results are unpredictable.

## User response

Change RMODE to 24, or remove the AMODE and RMODE specifications.

## Source

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2658E</b> | <b>USER-SPECIFIED AMODE(24) AND RMODE(ANY) ARE INCOMPATIBLE.</b> |
|-----------------|--|

---

## Explanation

The specified AMODE and RMODE are incompatible. AMODE(24) will result in the program running in 24-bit addressing mode, which cannot address storage above 16 Mb. RMODE(ANY) implies that the module may be loaded above 16 meg.

## System action

AMODE and RMODE remains as specified. Results are unpredictable.

## User response

Change or remove the AMODE and RMODE specifications.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2659E</b> | <b>RESULTANT RMODE(ANY) AND USER-SPECIFIED AMODE(ANY) ARE INCOMPATIBLE.</b> |
|-----------------|---|

---

## Explanation

AMODE(ANY) has been specified on a control statement, batch parameter, or ADDALIAS or SETOPTION function call. RMODE was not specified, but has resolved to (ANY) because all input sections were marked AMODE/RMODE (31/ANY) or (ANY/ANY). The combination (ANY/ANY) is incompatible.

## System action

AMODE and RMODE remain (ANY/ANY) for all entry points. Results are unpredictable.

## User response

Change the AMODE specification to (31), which will set the AMODE for all entry points.

**Note:** AMODE(24) will also work, but will force the module to be loaded below 16 Mb.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2660W</b> | <b>RESULTANT AMODE(24) AND USER-SPECIFIED RMODE(ANY) ARE INCOMPATIBLE FOR <i>entry-section</i>.</b> |
|-----------------|---|

---

## Explanation

RMODE(ANY) has been specified on a control statement, batch parameter, or SETO function call. AMODE was not specified, but has resolved to (24) because the ESD record for the section containing the entry point indicated 1) AMODE(24) or 2) either AMODE(MIN) or AMODE(ANY), which resolved to AMODE(24) by MIN processing. This message is produced for the main EP and aliases.

## System action

AMODE is changed to (31). Results are unpredictable.

## User response

Either remove the RMODE specification or recompile each AMODE(24) section with AMODE(31).

## Source

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2661E</b> | <b>USER REQUEST FOR OVERLAY CONFLICTS WITH USER REQUEST FOR SCATTER.</b> |
|-----------------|--|

---

## Explanation

Overlay and scatter options have been requested. These options are incompatible.

**System action**

Both scatter tables and overlay control blocks will be built. Results when attempting to execute the module are unpredictable.

**User response**

Remove either the SCTR or OVLY option.

**Source**

Binder

**Module**

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2662E</b> | <b>USER REQUEST FOR OVERLAY CONFLICTS WITH USER REQUESTED USABILITY OF <i>usability-option</i>.</b> |
|-----------------|---|

**Explanation**

Overlay modules must be non-reusable.

**System action**

The module is saved with overlay control blocks and with the requested reusability. Results from an attempt to execute the module are unpredictable.

**User response**

Remove either the reusability or OVLY option.

**Source**

Binder

**Module**

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2663E</b> | <b>RMODE 24 MODULE HAS LENGTH GREATER THAN 16M.</b> |
|-----------------|---|

**Explanation**

Either the user requested RMODE of 24 or at least one section had an RMODE of 24 causing default to be set to RMODE 24. This is invalid for program objects greater than 16 meg in length.

**System action**

The program object is saved.

**User response**

Specify RMODE(ANY) in parms.

**Source**

Binder

## Module

IEWBXCEP

---

|                 |  |
|-----------------|--|
| <b>IEW2664I</b> | <b>SECTION <i>section-name</i> USABILITY ATTRIBUTE OF <i>reus-value</i> CONFLICTS WITH REQUESTED USABILITY OF <i>reus-value</i>.</b> |
|-----------------|--|

---

## Explanation

The usability for the named section was less than that specified by the user option. This message will be issued in place of IEW2609W if COMPAT(LKED) is specified,

## System action

The reusability of the module will be lowered to match that of the reusability of the input module.

## User response

Check that the resultant usability is that desired.

## Source

Binder

## Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2665S</b> | <b>MODULE <i>modname</i> IS NON-EXECUTABLE AND WAS NOT SAVED BECAUSE STORENX=NEVER.</b> |
|-----------------|---|

---

## Explanation

A severity 12 message was issued when a non-executable module was not saved because STORENX=NEVER was specified. Other messages already exist for when non-executable modules are not saved because an executable version exists and cannot be replaced (ex. IEW2638), but in this case there was not an existing executable.

## System action

Module is not saved.

## User response

Check and use the correct value of STORENX option.

## Source

Binder

## Module

IEWBXR00

---

|                 |   |
|-----------------|---|
| <b>IEW2666W</b> | <b>IDENTIFY DATA TRUNCATED TO <i>IDRU-text</i>.</b> |
|-----------------|---|

---

## Explanation

User data from identify control statement or PUTD call exceeded allowable length for load modules. A section in a load module may have a maximum of 40 bytes of identify data.



## System action

Identify information is truncated to 40 bytes.

## User response

Rebind and save in a PDSE program library which supports greater than 40 bytes of identify data.

## Source

Binder

## Module

IEWBXCWI

---

|                 |   |
|-----------------|---|
| <b>IEW2667W</b> | <b>SECTION <i>section-name</i> CONTAINS MORE THAN TWO TRANSLATOR IDR RECORDS.</b> |
|-----------------|---|

## Explanation

A maximum of two language identification records (IDRLs) are allowed for each section.

## System action

Processing continues but only the first two IDRLs are kept.

## User response

Rebind and save in a PDSE program library, which supports greater than 2 IDRLs.

## Source

Binder

## Module

IEWBXCWI

---

|                 |   |
|-----------------|---|
| <b>IEW2668W</b> | <b>ZAP IDR DATA LENGTH EXCEEDED EIGHT BYTE LIMITATION IN A LOAD MODULE.</b> |
|-----------------|---|

## Explanation

A maximum of 8 bytes of zap data (IDRZ) are allowed in a single IDRZ entry.

## System action

Processing continues. IDRZ data is truncated.

## User response

Check AMASPZAP control statements.

## Source

Binder

## Module

IEWBXCWI

---

**IEW2669S**

***ddname* DD STATEMENT NOT FOUND.**

## Explanation

During save processing, a DD statement for SYSLMOD (or the ddname specified for the MODLIB option) was not found. The binder may have been invoked with a passed DDNAME associated with a UCB address allocated above the 16MB line with NOCAPTURE. The binder will not process this dataset.

## System action

Module is not saved.

## User response

Provide a DD statement for the target data set, or remove the NOCAPTURE option from the dynamic allocation in the invoking application program. Contact your system programmer.

## Source

Binder

## Module

IEWBXCWI

---

**IEW2670S**

**INSUFFICIENT STORAGE TO LOAD A MODULE.**

## Explanation

There is not enough room in the user region to load the requested program for execution.

## System action

Module is not loaded.

## User response

Increase the region size on the JCL and rerun the job.

## Source

Binder

## Module

IEWBXCWM

---

**IEW2671S**

**CANNOT IDENTIFY MODULE *load-name* BECAUSE IT IS ALREADY LOADED. IDENTIFY REASON = *reason-code***

## Explanation

Module being identified was already in storage and was previously identified. See the IDENTIFY macro explanation in the [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for the definition of the IDENTIFY reason code.

## System action

Module is not loaded.

## User response

Check job to ensure identified name is unique.

## Source

Binder

## Module

IEWBXCWM

---

|                 |   |
|-----------------|---|
| <b>IEW2672S</b> | <b>ERROR ENCOUNTERED WITH SEVERITY GREATER THAN LET OPTION.</b> |
|-----------------|---|

---

## Explanation

An error detected while building the module was greater than the default LET option of 4 (attention) or that specified by the user.

## System action

Module was not loaded.

## User response

Check for other binder error messages. Either correct the errors, or specify a larger value for the LET option.

## Source

Binder

## Module

IEWBXCWM

---

|                 |   |
|-----------------|---|
| <b>IEW2673S</b> | <b>MODULE ENTRY POINT <i>entry-point-name</i> IS INVALID.</b> |
|-----------------|---|

---

## Explanation

A valid entry point could not be determined for the module. This may happen if an overlay module is created with no root segment.

## System action

The module will be saved if LET is 12, but the results are unpredictable if an attempt is made to execute it.

## User response

Correct the overlay structure or provide a valid entry point for the module.

## Source

Binder

## Module

IEWBXCEP

---

**IEW2674S**

**THE SAVE EXIT ROUTINE RETURNED AN INVALID MEMBER NAME**  
*member-name.*

## Explanation

The SAVE exit routine was called to provide a member name for the module. The name returned was either all blank, of zero length, or exceeded the system limit for name length.

## System action

Processing for the member terminates.

## User response

This is a probable logic error in the application's exit routine.

## Source

Binder

## Module

IEWBXCDR, IEWBXCIL, IEWBXCWL, IEWBXCWR, IEWBXCWP, IEWBXSAV

---

**IEW2675S**

**SAVEW WAS REQUESTED FOR NULL WORKMOD = *token***

## Explanation

A null workmod contains insufficient information to be saved by the binder. The workmod is considered null if no modules have been successfully included from any source file.

## System action

The SAVE request will not be processed.

## User response

Recreate the module(s) in error and rerun the job.

## Source

Binder

## Module

IEWBXR00

---

**IEW2676W**

**AMODE(24) MODULE BOUND TO ELPA-RESIDENT MODULE *entry-point-name*.**

## Explanation

The module has been loaded with AMODE(24), but the named external reference has been bound to a module in the Link Pack Area above 16 Mb. The program may fail when it attempts to call a subroutine in LPA.

If all specifications are correct and the module should be bound to the LPA-resident module, then mode switching code must be added to the calling program before branching to the subroutine in the ELPA. If such mode switching code is present in the calling module, then no problem exists.

### System action

AMODE(24) remains. Results are unpredictable.

### User response

Change AMODE to (31) or prevent the binder from resolving the symbol to an ELPA-resident module. Resolution to LPA can be prevented by specifically including the module, specifying its name on a LIBRARY control statement or specifying the NORES option. Alternatively, mode switching code can be added to the calling program.

### Source

Binder

### Module

IEWBXCWM

---

|                 |   |
|-----------------|---|
| <b>IEW2677S</b> | <b>A VALID ENTRY POINT COULD NOT BE DETERMINED.</b> |
|-----------------|---|

### Explanation

A entry point designating executable code could not be found. Either the module had no sections other than those generated by the binder internally, or the module contained no loadable text.

### System action

The module will be created, but an attempt to execute it will lead to unpredictable results.

### User response

Check REPLACE and INCLUDE control statements to determine if the intent was to create an empty module.

### Source

Binder

### Module

IEWBXCEP

---

|                 |   |
|-----------------|---|
| <b>IEW2678S</b> | <b>MODULE CONTAINS DATA CLASSES NOT SUPPORTED BY THE LOAD FUNCTION.</b> |
|-----------------|---|

### Explanation

Module contains one or more deferred classes.

### System action

The module was not loaded.

## User response

This program cannot be loaded by the binder. Re-bind the module saving it in a PDSE program library. The saved module may then be loaded and executed by MVS using conventional invocation methods(EXEC JCL statement or supervisor-assisted linkage).

## Source

Binder

## Module

IEWBXCWM

---

|                 |  |
|-----------------|--|
| <b>IEW2680E</b> | <b>SECTION <i>section-name</i> DOES NOT HAVE A VALID LABEL DEFINITION FOR VERSION 1 PROGRAM OBJECT OR LOAD MODULE.</b> |
|-----------------|--|

## Explanation

The section does not have a label of the same name defined at offset zero. This is probably due to including a version 2 module (program object or object module) into the workmod.

## System action

The label will be assigned or reassigned to the first byte of the section. If the LET parameter was set to 8 the module will be marked executable. An attempt to execute will lead to unpredictable results.

## User response

Modify and recompile the program to create only the standard text class, or allow the module to be saved as a version 2 program object. In the latter case, assign SYSLMOD to a PDSE program library and do not specify COMPAT=LKED or COMPAT=PM1.

## Source

Binder

## Module

IEWBXCWX

---

|                 |  |
|-----------------|--|
| <b>IEW2681S</b> | <b>RLD IN SECTION <i>section-name</i> DOES NOT HAVE A VALID RLD TYPE FOR A <i>module type</i> COMPATIBLE PROGRAM OBJECT.</b> |
|-----------------|--|

## Explanation

An attempt has been made to create a module in format *module type*, but the workmod contains RLD types not supported by that format. Module type can be Load Module, version 1 Program Object, version 2 Program Object, version 3 Program Object, zOS V1R3 version 4 Program Object, or zOS V1R5 version 4 Program Object.

## System action

The load module or program object cannot be saved.

## User response

Correct by (1) changing the target library (for example, SYSLMOD) to a PDSE, and/or (2) changing the COMPAT option to specify a later version of Program Management, or remove it altogether.

## Source

Binder

## Module

IEWBXCWX, IEWBXCRL

---

**IEW2682E**

**THERE IS A REFERENCE FROM SECTION *section* TO THE LINKAGE DESCRIPTOR FOR *symbol*. THE REFERENCE IS IN A DEFERRED LOAD CLASS OTHER THAN C\_WSA OR C\_WSA64.**

## Explanation

The DLL support built into Language Environment requires the use of linkage descriptors and the use of a single deferred load class named C\_WSA (or C\_WSA64 for 64 bit code). Adcons in other deferred load classes which indicate references via linkage descriptors cannot be supported as part of a DLL or DLL application.

## System action

No descriptor will be built. This message will be followed by message IEW2353E.

## User response

Correct the conflicting attributes in the input RLD record. For example, change the name of the class in which the RLD resides to C\_WSA or C\_WSA64.

## Source

Binder

## Module

IEWBXGOF

---

**IEW2683S**

**OVERLAY FORMAT FOR PROGRAM OBJECT VERSION 2 IS NOT VALID.**

## Explanation

Overlay format is not supported for version 2 program objects.

## System action

Module will not be created.

## User response

Remove the overlay specification to allow a program object to be created and stored in a PDSE, change the target library to PDS, or specify COMPAT=PM1.

## Source

Binder

## Module

IEWBXROO

---

**IEW2684S**

**MODULE NAME *name* EXCEEDS EIGHT BYTES. IT IS INCOMPATIBLE WITH VERSION 1 PROGRAM OBJECT OR LOAD MODULE.**

## Explanation

An attempt has been made to create a version 1 program object or load module which has a long name. Version 1 program objects or load modules have a maximum name length of 8 characters.

## System action

Module will not be created.

## User response

Modify the name to be less than or equal to 8 characters.

## Source

Binder

## Module

IEWBXROO

---

|                 |   |
|-----------------|---|
| <b>IEW2685I</b> | <b>SHORT PRIMARY NAME <i>short-name</i> WAS SUBSTITUTED FOR LONG PRIMARY NAME <i>long-name</i>.</b> |
|-----------------|---|

## Explanation

A long primary name (greater than 8 characters) is specified. In order to save the module a short name is generated as the primary name.

## System action

Long primary name will be added as an alias, and it will be used as the primary name by the binder.

## User response

None

## Module

IEWBXPNM

---

|                 |  |
|-----------------|--|
| <b>IEW2686S</b> | <b>MODULE CONTAINED CLASSES NOT SUPPORTED FOR LOAD MODULES OR VERSION 1 PROGRAM OBJECTS.</b> |
|-----------------|--|

## Explanation

Module contained non-binder defined classes or text classes other than B\_TEXT. For load modules or version 1 program objects, classes other than the binder defined classes cannot be saved.

## System action

Module will not be created.

## User response

Either do not define non-standard classes or allow the module to default to a version 2 program object.



## Module

IEWBXCWL, IEWBXCWR

---

**IEW2687E**

**ESD CLASS NAME *class-name* WAS INCOMPATIBLE FOR VERSION 1  
PROGRAM OBJECT OR LOAD MODULE.**

## Explanation

An attempt was made to create a version 1 program object or load module which has an incompatible class. Version 1 program objects or load modules can have only B\_TEXT or B\_PRV.

## System action

The ESD will be dropped from the output module. If the LET parameter was set to 8 the module will be marked executable. An attempt to execute will lead to unpredictable results.

## User response

Modify and recompile the program to create only the standard text class, or allow the module to be saved as a version 2 program object. In the latter case, assign SYSLMOD to a PDSE program library and do not specify COMPAT=LKED or COMPAT=PM1.

## Source

Binder

## Module

IEWBXCWX

---

**IEW2688E**

**RLD CLASS NAME *class-name* WAS INCOMPATIBLE FOR VERSION 1  
PROGRAM OBJECT OR LOAD MODULE.**

## Explanation

An attempt was made to create a version 1 program object or load module which has an incompatible class. Version 1 program objects or load modules can have only B\_TEXT or B\_PRV.

## System action

The RLD will be dropped from the output module. If the LET parameter was set to 8 the module will be marked executable. An attempt to execute will lead to unpredictable results.

## User response

Modify and recompile the program to create only the standard text class or allow the module to be saved as a version 2 program object. In the latter case, assign SYSLMOD to a PDSE program library and do not specify COMPAT=LKED or COMPAT=PM1.

## Source

Binder

## Module

IEWBXCWX

---

**IEW2689W**

**DEFINITION SIDE FILE IS NOT DEFINED.**

# Explanation

One or more IMPORT statements are to be written but no definition side file is defined.

# System action

Module will be created without a definition side file.

# User response

Either supply a DDNAME statement for SYSDEFSD or, for API users, add an entry through the Files list on STARTD for file IMPORT.

# Source

Binder

# Module

IEWBXSDG

IEW2690E

ONE OR MORE FIELD DESCRIPTORS IN GOFF RECORD *record\_number* WITHIN MEMBER *member\_name* IDENTIFIED BY DDNAME *ddname* ARE NOT VALID. ERROR ID = *error-id*.

# Explanation

An error was encountered while processing a Generalized Object File Format (GOFF). One of the following has occurred, as indicated by *error-id*. Note that the terms SD, LD, ER, UR, and PR are ESD record types, and P-pointer and R-pointer refer to the RLD position and relocation pointers, respectively. Note also that any ESD entries referred to in one ESD record must have been defined by another ESD record appearing earlier in the file; otherwise, the ESDID is considered undefined.

| Error-id | Description |
|----------|-------------|
|----------|-------------|

- |      |   |
|------|---|
| 0001 | This record is not a GOFF record; it does not start with X'03'.                 |
| 0002 | ESD type is in error.   |
| 0003 | The owning ESDID of this record is undefined. The ESDs may be out of sequence.  |
| 0004 | Name space must be in the range of 1-99.  |
| 0005 | ESD style does not contain one of the values byte, structured, or unstructured. |
| 0006 | See Error-id 0003.  |
| 0007 | See Error-id 0003.  |
| 0008 | See Error-id 0003.  |
| 0009 | See Error-id 0004.  |
| 0010 | The XATTR ESDID is undefined.   |

**0011**

The entry point ESDID in the END record does not identify an ER or ED entry.

**0012**

The RLD R-pointer does not refer to an ED, PR, ER, or LD.

**0013**

RLD type is in error.

**0014**

One or more length specifications are in error. Either the referenced ESD is not an ED, or the ED length does not have the "defer" value (-1).

**0015**

The record count in the END record does not match the number of logical records, including the module header and END.

**0016**

The record length specified in the GOFF record exceeds the block size of the file.

**0017**

The GOFF prefix of the record is in error.

**0018**

The TEXT style does not contain one of the values byte, structured, or unstructured.

**0019**

The ESDID in the TEXT record is undefined.

**0020**

The TEXT record refers to an ESD which is neither ED nor PR.

**0021**

See Error-id 0004.

**0022**

The RLD P-pointer contains an undefined ESDID.

**0023**

The TEXT encode value is in error. Valid values are repeat and no repeat.

**0024**

See Error-id 0023.

**0025**

The ADATA record is in error. Encode must be repeat or no repeat.

**0026**

The ESDID nominated in the END record as an entry point is not defined.

**0027**

See Error-id 0013.

**0028**

The entry point nominated in the END record refers to an external reference, but the offset is not 0. Offset is not allowed if the entry point is an ER.

**0029**

The RLD P-pointer does not refer to an ED or PR record.

**0030**

The ESD scope is in error.

**0031**

The ESD name length is greater than 32767.

**0032**

The owner ESDID id is zero.

**0033**

See Error-id 0032.

**0034**

See Error-id 0032.

**0035**

Owner of SD is not zero.

**0036**

LD in a class with merge attribute.

**0037**

Unsupported AMODE.

**0038**

Unsupported version of GOFF.

**0039**

RECFM=VS is unsupported for GOFF input.

**0040**

Unsupported RMODE.

**0041**

PR has no owner (owner is zero).

**0042**

GOFF record text contains text length > 32K.

**0043**

Text in by a merge class is not in a part (not owned by a PR or PD ESD record).

**0044**

The RLD byte length, bit length, or bit offset in error.

**0045**

The RLD has the conditional sequential bit set but is not a V-con.

**0046**

The previous RLD has the conditional sequential bit set but this RLD has a P pointer, offset, or length which are not the same as the previous RLD.

**0047**

The RLD has the conditional sequential bit set, but there are no more RLDs in the GOFF record.

**0048**

Conditional sequential RLDs are not supported.

**System action**

Module will be discarded.

**User response**

Check the input GOFF module.

**Source**

Binder

**Module**

IEWBXGOF

---

**IEW2691W****UNABLE TO SAVE CLASS *class\_name* IN OUTPUT MODULE.****Explanation**

For load modules or version 1 program objects, classes other than the binder-defined classes cannot be saved.

## System action

Module will be created without the class data.

## User response

Either do not define non-standard text classes in the source program or use version 2 program objects.

## Module

IEWBXCWX

**IEW2692E**                      **UNABLE TO SAVE TEXT CLASS *class\_name* IN OUTPUT MODULE.**

### Explanation

For load modules or version 1 program objects, text classes other than B\_TEXT class cannot be saved.

### System action

Module will be created without the text class data.

## User response

Either do not define non-standard text classes in the source program or use version 2 program objects.

## Module

IEWBXCWX

**IEW2693S**                      **UNABLE TO SAVE ENTRY CLASS *class\_name* IN OUTPUT MODULE.**

### Explanation

For load modules or version 1 program objects, classes other than the binder-defined classes cannot be saved.

### System action

Module will not be created.

## User response

Either do not define non-standard text classes in the source program or use version 2 program objects.

## Module

IEWBXCWX

|          |   |
|----------|---|
| IEW2694E | LABEL <i>label_name</i> IN SECTION <i>section_name</i> IN CLASS <i>class_name</i><br>WAS INVALID OR MISSING FOR VERSION 1 PROGRAM OBJECT OR<br>LOAD MODULE. |
|----------|---|

### Explanation

The section does not have a label matching the section name defined at offset zero. This is probably due to including a version 2 program object or GOFF module. Version 1 program objects and load modules require that a label exist.

## System action

The module will be saved and marked non-editable. If the LET parameter was set to 8 the module will be marked editable. An attempt to execute it will lead to unpredictable results.

## User response

Modify and recompile the program to create only the standard text class, or allow the module to be saved as a version 2 program object. In the latter case, assign SYSLMOD to a PDSE program library and do not specify COMPAT=LKED or COMPAT=PM1.

## Source

Binder

## Module

IEWBXCWX

---

|                 |  |
|-----------------|--|
| <b>IEW2695W</b> | <b>OPTION SPECIFICATION FOR <i>option-name</i> IS NOT VALID FOR VERSION 1 PROGRAM OBJECT OR LOAD MODULE.</b> |
|-----------------|--|

## Explanation

An option was specified that is invalid for load modules or version 1 program objects. If the option is HOBSET, it cannot be reversed or undone on a rebind for version 1 program objects or load modules.

## System action

The option specification is invalid. The module is created, however, any high-order bits in adcons set as a result of HOBSET will remain on in subsequent rebinds.

## User response

Remove the option or allow the module to be saved as a version 2 program object.

## Source

Binder

## Module

IEWBXCWL, IEWBXCWR

---

|                 |   |
|-----------------|---|
| <b>IEW2696E</b> | <b>AN ERROR WAS DETECTED IN AN EXTENDED OBJECT MODULE AT RECORD <i>record-number</i> WITHIN MEMBER <i>member-name</i> IDENTIFIED BY DDNAME <i>ddname</i>. ERROR ID = <i>error-id</i>.</b> |
|-----------------|---|

## Explanation

An error was encountered while processing an Extended Object Module (XOBJ). One of the following has occurred, as indicated by *error-id*. Note that the terms SD, LD, ER, UR and PR are ESD record types and P-pointer and R-pointer refer to the RLD position and relocation pointers, respectively.

### Error-id

#### Description

#### 0520

The END record in the dummy subfile is in error.

**0521**

No END record was encountered.

**0522**

The product identification in the END record is not correct.

**0524**

The XOBJ record identifier in position 1 is not X'02'.

**0525**

The XOBJ record type is not one of the valid types SD, LD, PR, UR or ER.

**0526**

An XSD continuation record is not correct.

**0527**

The text ESDID does not refer to an SD record.

**0528**

The P-pointer does not refer to an SD record.

**0529**

The initialization subfile contained more than one section.

**0530**

The text ESDID does not refer to an SD record.

**0534**

The P-pointer does not refer to an SD record.

**0536**

The R-pointer does not refer to a valid ESD record.

**0537**

No END record was encountered for the subfile.

**0538**

An XSD record was encountered with a name length greater than the allowed maximum.

**0558**

An End-of-File was encountered when an End-of-File was not expected. Input file could be truncated.

**0560**

Record following END card of @@IPAOBJ is not an ESD.

**0561**

Record following END card of @@IPAOBJ is an ESD, but not an SD.

**0562**

Record following SD of @@DOPLNK is not an END record.

**0566**

IPALINK was not processed yet. Data is valid, but IPALINK must be run before you run the binder.

**System action**

The module was discarded.

**User response**

Replace the defective XOBJ module.

**Source**

Binder

**Module**

IEWBXXXH

## Explanation

An error was encountered while processing an Extended Object Module (XOBJ). One of the following has occurred, as indicated by *error-id*. Note that the terms SD, LD, UR, ER and PR are ESD record types and P-pointer and R-pointer refer to the RLD position and relocation pointers, respectively.

### Error-id Description

**1501**

The section length of the initialization subfile is zero or is not valid.

**1502**

The R-pointer in the initialization subfile is not defined. There must be an ESD record of the same name in the definition subfile.

**1503**

Second RLD record missing for type 8 or 12 recipe card. Recipe cards which initialize address constants must have two RLD records, the first describing the WSA variable being initialized and the second describing the location being used to initialize the variable.

**1504,1505**

The R-pointer in the initialization subfile is not defined. There must be an ESD record of the same name in the definition subfile.

**1531**

A P-pointer in the initialization subfile does not refer to the correct SD record.

**1532**

An LD record in the definition subfile does not have an "owning" SD record.

**1533**

An ER record was encountered in the initialization subfile but no corresponding LD or ER was found in the definition subfile.

**1535**

The recipe card in the initialization subfile does not have one of the valid types 0, 4, 8, 12 or 16.

**1538**

The R-pointer does not refer to a valid ESD record.

**1539**

The P-pointer does not refer to a valid ESD record.

**1542**

A UR record was encountered in the input file, but no corresponding LD or SD was found in the definition subfile.

**1545**

An ESD symbol name has one or more invalid characters. Check if there are any unprintable characters in the symbol name.

## System action

This module is discarded.

## User response

Replace the defective XOBJ module.



## Source

Binder

## Module

IEWBXXXH

**IEW2698S**

---

**MODULE CANNOT BE INCLUDED FOR MEMBER *member-name*  
IDENTIFIED BY DDNAME *ddname*. ERROR ID = *error-id*.**

## Explanation

An attempt to include an Extended Object Module (XOBJ) was terminated due to one of the following severe error conditions, as indicated by *error-id*.

### Error-id

#### Description

**0001**

Out of storage.

**0002**

Out of storage.

**0003**

Out of storage.

**0550**

Out of storage.

**0551**

Out of storage.

**0552**

XOBJ file is corrupted.

**0553**

I/O error while reading XOBJ.

**0554**

I/O error POSIX length not page.

**0555**

I/O error POSIX length is not 80.

**0556**

I/O error while reading XOBJ.

**0557**

I/O error while reading XOBJ.

**0563**

I/O error while reading XOBJ.

**0564**

I/O error while reading XOBJ.

**0565**

I/O error while reading XOBJ.

**0567**

I/O error while reading XOBJ.

**0668**

Unexpected End of File encountered.

**1538**

The R-pointer in an RLD does not refer to a valid ESD record.

**1550**

Out of storage.

**3031**

XOBJ corrupted, possibly truncated.

## System action

The module is discarded.

## User response

Recreate the module or increase the region size.

## Source

Binder

## Module

IEWBXXXH

---

**IEW2699E**

**A REFERENCE TO THE LINKAGE DESCRIPTOR FOR symbol IS MARKED  
AMODE 64 BUT NOT XPLINK.**

## Explanation

There is an ER ESD in the input module which has scope import-export, the indirect bit, and amode 64, but is not marked as XPLINK. This represents a reference to a linkage descriptor. However, amode 64 linkage descriptors are supported only for XPLINK callers.

## System action

No descriptor will be built. This message will be followed by message IEW2353E.

## User response

Correct the conflicting attributes in the input ESD record. If the input module was generated from a high-level language compiler, it may be a compiler error.

## Source

Binder

## Module

IEWBXGOF

---

**IEW2700S**

**INPUT FOR DDNAME *ddname*, CONCATENATION NUMBER *number*,  
MEMBER *member-name* FAILED. COMPONENT *component-name*  
ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*.  
SERVICE *service* ISSUED RETURN CODE *secondary-return-code* AND  
REASON CODE *secondary-reason-code*.**

## Explanation

The binder detected a failure during input processing of a program object.

## System action

Processing for the member terminates.

## User response

An I/O error could occur if DCB parameters are incorrectly specified. It could also be a hardware error. If the indicated component is DEBCHK, DIV, SETLOCK, VSMLOC, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). Alternatively, contact your system programmer support or the IBM Support Center.

## Source

Binder

## Module

IEWBXICL

---

|                 |  |
|-----------------|--|
| <b>IEW2701S</b> | <b>OUTPUT FOR DDNAME <i>ddname</i>, MEMBER <i>member-name</i> FAILED. COMPONENT <i>component-name</i> ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>. SERVICE <i>service</i> ISSUED RETURN CODE <i>secondary-return-code</i> AND REASON CODE <i>secondary-reason-code</i>.</b> |
|-----------------|--|

## Explanation

The binder detected a failure during output processing of a program object.

## System action

Processing for the member terminates.

## User response

An I/O error could occur if DCB parameters are incorrectly specified. It could also be a hardware error. If the indicated component is DEBCHK, DIV, SETLOCK, VSMLOC, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). Alternatively, contact your system programmer support or the IBM Support Center.

## Source

Binder

## Module

IEWBXICL

---

|                 |   |
|-----------------|---|
| <b>IEW2702S</b> | <b>GET DIRECTORY ENTRY FAILED FOR MEMBER NAME <i>member-name</i>, DDNAME NAME <i>ddname</i>. DIRECTORY SERVICES ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

An error was detected while attempting to read the directory entry for the specified member.

## System action

Processing for the specified member is terminated.

## User response

Check to ensure that the data set is a PDSE with a valid directory. If the data set appears to be correct, contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIGD

---

|                 |  |
|-----------------|--|
| <b>IEW2703S</b> | <b>GET DIRECTORY ENTRY FAILED FOR DDNAME <i>ddname</i>. DIRECTORY SERVICES ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

A failure occurred attempting to retrieve directory entries for several member names. This message may be preceded by message IEW2705s for the particular member names that failed.

## System action

Processing for the failed members is terminated.

## User response

Check to ensure that the data set is a PDSE with a valid directory. You may need to contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIGD

---

|                 |   |
|-----------------|---|
| <b>IEW2704S</b> | <b>RETRIEVAL OF ALIAS ENTRIES FAILED FOR MEMBER NAME <i>member-name</i> FROM DDNAME <i>ddname</i>, CONCATENATION NUMBER <i>number</i>. DIRECTORY SERVICES ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

An error occurred attempting to read the aliases for the member from a PDSE.

## System action

Processing continues but the alias name will not be processed.

## User response

Check to ensure that the data set is a PDSE with a valid directory. You may need to contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIGD

---

|                 |   |
|-----------------|---|
| <b>IEW2705S</b> | <b>ERROR OCCURRED RETRIEVING DIRECTORY FOR MEMBER <i>member-name</i>.</b> |
|-----------------|---|

## Explanation

An error occurred retrieving the directory entry for this member. This message will be followed by IEW2703S which provides more information.

## System action

Processing for this member is terminated.

## User response

None

## Source

Binder

## Module

IEWBXIGD

---

|                 |   |
|-----------------|---|
| <b>IEW2706S</b> | <b>OPEN FOR DIRECTORY READ FOR DDNAME <i>ddname</i> AND<br/>CONCATENATION NUMBER <i>number</i> FAILED. IEWBXIOP ISSUED<br/>RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

Unable to open the specified PDS directory in order to search for alias names.

## System action

Processing continues.

## User response

Check for previous error messages and correct the indicated problems.

## Source

Binder

## Module

IEWBXIGD

---

### IEW2707S

**RETRIEVAL FAILED FOR MEMBER *member-name* FROM DDNAME *ddname*, CONCATENATION NUMBER *number*. COMPONENT *component-name* ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*, SERVICE *service* ISSUED RETURN CODE *secondary-return-code* AND REASON CODE *secondary-reason-code*.**

## Explanation

The binder has detected a failure in input/output processing for the specified member.

## System action

Processing for the member terminates.

## User response

Check reason and return code descriptions. If the indicated component is DEBCHK, DIV, SETLOCK, VSMLOCK, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). Alternatively, contact your system programmer support or the IBM Support Center.

## Source

Binder

## Module

IEWBXIGL

---

### IEW2708S

**OPEN FOR INPUT FAILED FOR PDSE MEMBER *member-name* FROM DDNAME *ddname*, CONCATENATION NUMBER *number*. COMPONENT *component-name* ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*, SERVICE *service* ISSUED RETURN CODE *secondary-return-code* AND REASON CODE *secondary-reason-code*.**

## Explanation

The binder could not open the specified data set.

## System action

Processing for the member terminates.

## User response

Check reason and return code descriptions. If the indicated component is DIV, SETLOCK, VSMLOCK, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). If the component is DEBCHK, you can find the reason and return codes in [z/OS MVS System Messages, Vol 1 \(ABA-AOM\)](#).

## Source

Binder

## Module

IEWBXIOP

---

### IEW2709S

**WRITE OF DIRECTORY ENTRIES FAILED FOR DDNAME *ddname*.  
DIRECTORY SERVICES ISSUED RETURN CODE *return-code* AND  
REASON CODE *reason-code*.**

## Explanation

An error occurred while attempting to write the directory entries for the primary name and aliases (if any).

## System action

Processing terminates for the specified member.

## User response

Refer to *z/OS DFSMS Macro Instructions for Data Sets* or, if not there, [z/OS DFSMSdjp Diagnosis](#) for an explanation of the return and reason codes for DESERV.

## Source

Binder

## Module

IEWBXIPD

---

### IEW2710S

**CANNOT READ DSCB FOR DDNAME *ddname*, CONCATENATION  
NUMBER *number*, AND DATA SET NAME *dsname*. OBTAIN ISSUED  
RETURN CODE *return-code*.**

## Explanation

The data set cannot be found on the volume. For a cataloged data set, it is probable that the data set was deleted without uncataloging the data set. For an uncataloged data set, either the data set name is wrong, the volume serial is wrong, or the data set was never created.

## System action

Processing for the data set and all members associated with it terminates.

## User response

Check the DD statement for errors. Check the return code.

## Source

Binder

## Module

IEWBXIPI

---

### IEW2711S

**UNABLE TO POSITION TO MEMBER *member-name* FOR DDNAME  
*ddname* AND CONCATENATION NUMBER *number*. FIND MACRO ISSUED  
RETURN CODE *return-code*.**

## Explanation

An error occurred attempting to locate the specified member.

## System action

Processing for the specified member terminates.

## User response

Refer to *z/OS DFSMS Macro Instructions for Data Sets* or, if not there, *z/OS DFSMSdfp Diagnosis* for an explanation of the return and reason codes for FIND.

## Source

Binder

## Module

IEWBXIPI

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|                 |  |
|-----------------|--|
| <b>IEW2712S</b> | <b>BLKSIZE FOR DDNAME <i>ddname</i>, CONCATENATION NUMBER <i>number</i>, AND DATA SET NAME <i>dsname</i> IS INVALID.</b> |
|-----------------|--|

## Explanation

There is an error in the DCB parameters for the data set. Either the BLKSIZE parameter for the data set is zero, or RECFM=F and the LRECL parameter is zero, or the BLKSIZE is not a multiple of the LRECL value.

## System action

Processing for the data set is terminated.

## User response

Correct DCB Parameters for data set.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2713S</b> | <b>DCB PASSED TO BINDER BY CALLER HAS INVALID ATTRIBUTES.</b> |
|-----------------|---|

## Explanation

The caller has passed an invalid DCB to the binder. The DCB must be open and have DSORG=PO, MACRF=R, and RECFM=U in order to read modules.

## System action

Processing for the data set terminates.

## User response

Correct the input DCB.



## Source

Binder

## Module

IEWBXIPI

---

**IEW2714S**

**RECORD FORMAT FOR DDNAME *ddname*, CONCATENATION NUMBER *number*, AND DATA SET NAME *dsname* IS INVALID.**

## Explanation

The specified input data set has an invalid record format. RECFM must be F or U, or V for GOFF modules.

## System action

Processing for the data set terminates.

## User response

Correct RECFM.

## Source

Binder

## Module

IEWBXIPI

---

**IEW2715S**

**JOB FILE CONTROL BLOCK (JFCB) CANNOT BE FOUND FOR DDNAME *ddname*. RDJFCB MACRO ISSUED RETURN CODE *return-code*.**

## Explanation

Probably a system error. It can also occur if the *ddname* is deallocated while the binder is running. The binder may have been invoked with a passed DDNAME associated with a UCB address allocated above the 16MB line with NOCAPTURE. The binder will not process this dataset.

## System action

Processing for the data set terminates.

## User response

Check RDJFCB return codes, and remove the NOCAPTURE option from the dynamic allocation in the invoking application program. Contact your system programmer.

## Source

Binder

## Module

IEWBXIPI, IEWBXISI, IEWBXIPO

---

**IEW2716S**

**OPEN FAILED FOR DDNAME *ddname*.**

## Explanation

The OPEN failed for a PDS, PDSE, or sequential data set. The failure may occur due to some open-related errors, or when the *ddname* is deallocated dynamically. The binder will not process this dataset.

## System action

Processing for this data set terminates.

## User response

Check the operation environment, JCL data set specification, setup, etc. for this job. Contact your system programmer.

## Source

Binder

## Module

IEWBXIPI, IEWBXISI, IEWBXIPO, IEWBRSDM, IEWBXIDO

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|                 |   |
|-----------------|---|
| <b>IEW2717S</b> | <b>SYNCHRONOUS I/O ERROR OCCURRED FOR DDNAME <i>ddname</i>,<br/>CONCATENATION NUMBER <i>number</i>, DATA SET NAME <i>dsname</i>, AND<br/>MEMBER NAME <i>member-name</i>. MESSAGES PRODUCED BY SYNADAF<br/>FOLLOW:</b> |
|-----------------|---|

## Explanation

An I/O error has occurred. Message(s) IEW2718S produced by the SYNADAF facility follow.

## System action

Processing for the data set terminates.

## User response

The data set is probably unusable and will need to be recreated.

## Source

Binder

## Module

IEWBXIPI

---

|                 |                             |
|-----------------|-----------------------------|
| <b>IEW2718S</b> | <b><i>synad-message</i></b> |
|-----------------|-----------------------------|

## Explanation

This message contains a line of the system diagnostic message(s) produced after a synchronous input/output error. It is preceded by message IEW2717S or IEW2724S. The format of the message is detailed under the SYNADAF macro in [z/OS DFSMS Macro Instructions for Data Sets](#). The binder may have been invoked with a passed DDNAME associated with a UCB address allocated above the 16MB line with NOCAPTURE. The binder will not process this dataset.

## System action

Processing for the data set is terminated.

## User response

Remove the NOCAPTURE option from the dynamic allocation in the invoking application program. Contact your system programmer.

## Source

Binder

## Module

IEWBXIPI, IEWBXIPO, IEWBXISI

---

|                 |  |
|-----------------|--|
| <b>IEW2719S</b> | <b>DSCB CANNOT BE READ FOR DDNAME <i>ddname</i> AND DATA SET NAME <i>dsname</i>. OBTAIN MACRO ISSUED RETURN CODE <i>return-code</i>.</b> |
|-----------------|--|

---

## Explanation

The data set cannot be found on the volume. For a cataloged data set, it is probable that the data set was deleted without uncataloging the data set. For an uncataloged data set, either the data set name or volume serial is wrong, or the data set was never created. Check the DD statement for errors.

## System action

Processing for the data set terminates.

## User response

Correct the DD statement.

## Source

Binder

## Module

IEWBXIPO

---

|                 |  |
|-----------------|--|
| <b>IEW2721S</b> | <b>OUTPUT DATA SET FOR DDNAME <i>ddname</i> AND DATA SET NAME <i>dsname</i> IS NOT A PARTITIONED DATA SET OR PDSE.</b> |
|-----------------|--|

---

## Explanation

The output data set must be of partitioned organization. The DCB parameter used in creating the data set must specify DSORG=PO.

## System action

Processing for the data set terminates.

## User response

Correct DD statement and ensure that the correct data set was specified.

## Source

Binder

## Module

IEWBXIPO

---

|                 |  |
|-----------------|--|
| <b>IEW2723S</b> | <b>UPDATE OF DIRECTORY FAILED FOR DDNAME <i>ddname</i> MEMBER <i>member-name</i>. STOW MACRO ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

A failure occurred while attempting to write a directory entry.

## System action

Processing for the data set terminates.

## User response

See [z/OS DFSMS Macro Instructions for Data Sets](#) for STOW return and reason codes.

## Source

Binder

## Module

IEWBXIPO

---

|                 |  |
|-----------------|--|
| <b>IEW2724S</b> | <b>SYNCHRONOUS I/O ERROR OCCURRED FOR DDNAME <i>ddname</i> AND DATA SET NAME <i>dsname</i>. SYNADAF MESSAGES FOLLOW.</b> |
|-----------------|--|

## Explanation

An I/O error has occurred. Message(s) IEW2718S produced by the SYNADAF facility follow.

## System action

Processing for the data set terminates.

## User response

The data set is probably unusable and will need to be recreated.

## Source

Binder

## Module

IEWBXIPO, IEWBXISI

---

|                 |   |
|-----------------|---|
| <b>IEW2726S</b> | <b>TRACK CAPACITY CALCULATIONS FAILED FOR <i>ddname</i>. TRKCALC MACRO FAILED WITH RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

The TRKCALC routine failed when trying to calculate track capacity.

## System action

Processing continues, but the load module may occupy more space on DASD than expected.

## User response

Check the return and reason codes and correct the problem if user controlled.

## Source

Binder

## Module

IEWBXIPO

---

**IEW2727S**

**OUTPUT TO PDSE WITH DDNAME *ddname* HAS FAILED. COMPONENT *component-name* ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*. SERVICE *service* ISSUED RETURN CODE *secondary-return-code* AND THE ACCOMPANYING REASON CODE WAS *secondary-reason-code*.**

## Explanation

The binder has detected a failure in input/output processing for the specified data set.

## System action

Processing for the data set terminates.

## User response

Check the return and reason codes, and correct the problem if user controlled. If the indicated component is DEBCHK, DIV, SETLOCK, VSMLOCK, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). For other components, contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIPU

---

**IEW2728S**

**OPEN FOR OUTPUT OF PDSE WITH DDNAME *ddname* HAS FAILED. COMPONENT *component-name* ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*. SERVICE *service* ISSUED RETURN CODE *secondary-return-code* AND THE ACCOMPANYING REASON CODE WAS *secondary-reason-code*.**

## Explanation

The binder has detected a failure in input/output processing for the specified data set.

## System action

Processing for the specified data set terminates.

## User response

Check the return and reason codes, and correct the problem if user controlled. If the indicated component is DEBCHK, DIV, SETLOCK, VSMLOCK, TESTART, or ALESERV, the reason and return codes may be found in either the [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) or [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#). For other components, contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIPU

---

|                 |  |
|-----------------|--|
| <b>IEW2729S</b> | <b>BLOCKSIZE IS ZERO OR NOT A MULTIPLE OF LRECL FOR DDNAME <i>ddname</i> AND CONCATENATION NUMBER <i>number</i>.</b> |
|-----------------|--|

## Explanation

A zero or invalid blocksize was found for a sequential data set. Check the DCB parameter BLKSIZE for the specified data set.

## System action

Processing for the data set terminates.

## User response

Correct data set or DD statement.

## Source

Binder

## Module

IEWBXISI

---

|                 |   |
|-----------------|---|
| <b>IEW2730S</b> | <b>INVALID RECFM FOR DDNAME <i>ddname</i> AND CONCATENATION NUMBER <i>number</i>.</b> |
|-----------------|---|

## Explanation

A sequential data set was found to have an invalid record format. The DCB must specify either RECFM=F or RECFM=U, or RECFM=V for GOFF modules.

## System action

Processing for the data set terminates.

## User response

Correct data set or DD statement.

## Source

Binder

## Module

IEWBXISI, IEWBXIDO

---

**IEW2731S**

**LRECL FOR DDNAME *ddname* , CONCATENATION NUMBER *number* ,  
AND DATA SET NAME *dsname* IS INVALID.**

## Explanation

A data set was found to have an invalid logical record length (LRECL). A data set for the definition side file must have an LRECL of 80.

## System action

Processing for the data set terminates.

## User response

Correct data set or DD statement.

## Source

Binder

## Module

IEWBXIDO

---

**IEW2735S**

**OUTPUT DATA SET FOR DDNAME *ddname* HAS INVALID RECORD  
FORMAT. RECFM=U IS REQUIRED.**

## Explanation

An attempt was made to write a program to a PDS or PDSE for which a fixed or variable length record format has been specified.

## System action

Processing for the data set terminates.

**Note:** Prior to z/OS Version 1 Release 9, this error was produced only for PDSE. It is now produced for PDS or PDSE.

## User response

Correct the DCB options.

## Source

Binder

## Module

IEWBXIPO

---

**IEW2736S**

**THERE IS NO SPACE LEFT IN THE DIRECTORY FOR DDNAME *ddname*.  
STOW OF THE DIRECTORY ENTRY MEMBER NAME *member-name*  
FAILED.**

### **Explanation**

The PDS directory entry for the specified primary member name could not be stored because the directory ran out of space.

### **System action**

Processing for the data set terminates.

### **User response**

Delete members from the PDS or recreate the data set with more directory space, or use a PDSE.

### **Source**

Binder

### **Module**

IEWBXIPO

---

**IEW2737S**

**AN I/O ERROR OCCURRED IN WRITING THE DIRECTORY FOR DDNAME  
*ddname* MEMBER NAME *member-name* . STOW RETURNED A REASON  
CODE OF *reason-code*.**

### **Explanation**

An I/O error occurred when STOW tried to add a new member (that is, a directory entry) to the PDS.

### **System action**

Processing for the data set terminates.

### **User response**

Refer to [z/OS DFSMS Macro Instructions for Data Sets](#) or, if not there, [z/OS DFSMSdjp Diagnosis](#) for an explanation of the return and reason codes for STOW.

### **Source**

Binder

### **Module**

IEWBXIPO

---

**IEW2738S**

**INSUFFICIENT VIRTUAL STORAGE TO UPDATE THE DIRECTORY FOR  
DDNAME *ddname* MEMBER NAME *member-name* . STOW OF THE  
DIRECTORY ENTRY FAILED.**

### **Explanation**

The directory entry for the specified primary member name could not be stored because there was insufficient virtual storage available for STOW processing.



**System action**

Processing for the data set terminates.

**User response**

Specify a larger REGION size on the JCL.

**Source**

Binder

**Module**

IEWBXIPO

---

|                 |   |
|-----------------|---|
| <b>IEW2739S</b> | <b>OUTPUT FOR DDNAME <i>ddname</i>, MEMBER <i>member-name</i> FAILED. BINDER MODULE IEWBXIO ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

**Explanation**

The binder detected a failure in input/output processing for the data set associated with the specified ddname.

**System action**

Processing for the specified member is terminated.

**User response**

Contact the IBM Support Center.

**Source**

Binder

**Module**

IEWBXICL

---

|                 |   |
|-----------------|---|
| <b>IEW2740S</b> | <b>OUTPUT FOR DDNAME <i>ddname</i>, CONCATENATION NUMBER <i>number</i>, MEMBER <i>member-name</i> FAILED. BINDER MODULE IEWBXIO ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

**Explanation**

The binder detected a failure while writing to the data set associated with the specified ddname.

**System action**

Processing for the member terminates.

**User response**

Contact the IBM Support Center.

**Source**

Binder

## Module

IEWBXICL

---

### IEW2741S

RETRIEVAL FAILED FOR MEMBER *member-name* FROM DDNAME *ddname*, CONCATENATION NUMBER *number*. BINDER MODULE IEWBXIOLO ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*.

## Explanation

The binder detected a failure while reading from the data set associated with the specified ddname.

## System action

Processing for the member terminates.

## User response

Contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIGL

---

### IEW2742S

OPEN FOR INPUT FAILED FOR PDSE MEMBER *member-name* ASSOCIATED WITH DDNAME *ddname*, CONCATENATION NUMBER *number*. BINDER MODULE IEWBXIOLO ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*.

## Explanation

The binder detected a failure during open processing for input for the data set associated with the specified ddname.

## System action

Processing for the member terminates.

## User response

Contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIOP

---

### IEW2743S

OPEN FOR OUTPUT OF PDSE WITH DDNAME *ddname* HAS FAILED. BINDER MODULE IEWBXIOLO ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*.

## Explanation

The binder detected a failure during open processing for output for the PDSE associated with the specified ddname.

## System action

Processing for the specified data set terminates.

## User response

Contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIPU

---

**IEW2744S**

**OUTPUT TO PDSE WITH DDNAME *ddname* HAS FAILED. BINDER  
MODULE IEWBXIO ISSUED RETURN CODE *return-code* AND REASON  
CODE *reason-code*.**

## Explanation

The binder detected a failure while writing to the PDSE associated with the specified ddname.

## System action

Processing for the data set terminates.

## User response

Contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIPU

---

**IEW2745S**

**ABEND *abend-code* OCCURRED WHILE PROCESSING PARTITIONED  
DATA SET WITH DDNAME *ddname*.**

## Explanation

An ABEND occurred during OPEN/CLOSE or END OF VOLUME processing for the specified PDS or PDSE.

## System action

Processing for the data set terminates.

## User response

Refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2746S</b> | <b>ABEND <i>abend-code</i> OCCURRED WHILE PROCESSING OUTPUT DATA SET WITH DDNAME <i>ddname</i>.</b> |
|-----------------|---|

## Explanation

An abend occurred during OPEN/CLOSE or END OF VOLUME processing for the specified data set opened for OUTPUT.

## System action

Processing for the data set terminates.

## User response

Refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## Source

Binder

## Module

IEWBXIPO

---

|                 |   |
|-----------------|---|
| <b>IEW2747S</b> | <b>ABEND <i>abend-code</i> OCCURRED WHILE PROCESSING SEQUENTIAL DATA SET WITH DDNAME <i>ddname</i>.</b> |
|-----------------|---|

## Explanation

An abend occurred during OPEN/CLOSE or END OF VOLUME processing for the specified data set opened for INPUT.

## System action

Input processing for the data set terminates.

## User response

Refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## Source

Binder

## Module

IEWBXISI

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|                 |  |
|-----------------|--|
| <b>IEW2748I</b> | <b>DIRECTORY ENTRY <i>directory-name</i> PROCESSED SUCCESSFULLY.</b> |
|-----------------|--|

## Explanation

An error occurred while writing a directory entry to a PDSE for the specified program object. However, this directory entry was successfully processed.

## System action

Processing for the data set terminates.

## User response

IEW2749S will also have been issued. Refer to that message for further information.

## Source

Binder

## Module

IEWBXIPD

---

|                 |  |
|-----------------|--|
| <b>IEW2749S</b> | <b>DIRECTORY ENTRY <i>directory-name</i> FAILED. DIRECTORY SERVICES<br/>ISSUED REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

An error occurred while writing a directory entry to a PDSE for the specified program object. This directory entry was not processed.

## System action

Processing for the data set terminates.

## User response

Refer to [\*z/OS DFSMS Macro Instructions for Data Sets\*](#) or, if not there, [\*z/OS DFSMSdfp Diagnosis\*](#) for an explanation of the return and reason codes.

## Source

Binder

## Module

IEWBXIPD

---

|                 |   |
|-----------------|---|
| <b>IEW2750S</b> | <b>DIRECTORY ENTRY <i>directory-name</i> WAS NOT PROCESSED.</b> |
|-----------------|---|

## Explanation

An error occurred while writing a directory entry to a PDSE for the specified program object. This directory entry was not processed.

## System action

Processing for the data set terminates.

## User response

IEW2749S will also have been issued. Refer to that message for further information.

## Source

Binder

## Module

IEWBXIPD

---

|                 |   |
|-----------------|---|
| <b>IEW2751S</b> | <b>OPEN FOR MODULE <i>member-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE THE MODULE RETRIEVED WAS AT A DIFFERENT LEVEL FROM<br/>THE MODULE IN MAIN STORAGE.</b> |
|-----------------|---|

## Explanation

The binder was asked to retrieve from DASD a module identified by its entry point address in main storage. The module has been updated or the library compressed since the module was loaded to main storage.

## System action

Processing for the data set terminates.

## User response

Rerun the job.

## Source

Binder

## Module

IEWBXIOP

---

|                 |   |
|-----------------|---|
| <b>IEW2752S</b> | <b>A MEMBER NAME WAS SPECIFIED FOR DDNAME <i>ddname</i> BUT THE<br/>DATA SET IS NOT A PARTITIONED DATA SET.</b> |
|-----------------|---|

## Explanation

The specified ddname points to a data set which is not of partitioned organization, but the INCLUDE statement specifies a member name. This error can also occur if the module is called via AUTOCALL and the AUTOCALL library is not a partitioned data set.

## System action

Processing for the data set terminates.

## User response

Correct the INCLUDE statement or the data set name on the DD statement.

## Source

Binder

## Module

IEWBXIPI

---

**IEW2753S**

**NO MEMBER NAME WAS SPECIFIED FOR DDNAME *ddname*, BUT THE DATA SET IS A PARTITIONED DATA SET.**

## Explanation

The specified *ddname* points to a data set which is of partitioned organization, but the INCLUDE statement does not specify a member name.

## System action

Processing for the data set terminates.

## User response

Correct the INCLUDE statement or change the DD statement to include a member name.

## Source

Binder

## Module

IEWBXISI

---

**IEW2754E**

**THERE IS NO SPACE LEFT IN THE DIRECTORY FOR ALIAS NAME *alias-name* IN THE LIBRARY IDENTIFIED BY DDNAME *ddname*.**

## Explanation

An attempt was made to store the directory entry for the specified alias, but the directory ran out of space.

## System action

Processing continues, but the alias was not stored.

## User response

Recreate the PDS allocating more directory space.

## Source

Binder

## Module

IEWBXIPO

---

**IEW2755S**

**MEMBER *member-name* DIRECTORY ENTRY NOT ADDED/UPDATED BECAUSE OF I/O ERROR.**

## Explanation

The binder encountered an I/O error while trying to add or replace the specified member in a PDS or PDSE.

## System action

Processing for the data set terminates.

## User response

Rerun the job. If error persists contact support personnel for your system.

## Source

Binder

## Module

IEWBXIPD

---

|                 |  |
|-----------------|--|
| <b>IEW2756S</b> | <b>SPACE IS NOT AVAILABLE ON DIRECT ACCESS STORAGE TO SAVE MEMBER <i>member-name</i>. THIS IS EQUIVALENT TO A <i>abend-code</i> ABEND.</b> |
|-----------------|--|

## Explanation

The specified program object could not be saved because there was not enough direct access storage available in the PDSE. The equivalent abend code provides more information about the cause of the problem.

## System action

Output processing for the data set terminates. The member is not saved.

## User response

Allocate more space for the output data set. Either it will have to be recreated or the member must be stored in a different PDSE.

## Source

Binder

## Module

IEWBXIPU

---

|                 |   |
|-----------------|---|
| <b>IEW2757S</b> | <b>UNABLE TO DETERMINE PATH NAME FOR DDNAME <i>ddname</i>. SVC 99 ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

The binder was unable to determine the path name for an z/OS UNIX file specified by the specified ddname. The SVC 99 which was issued to determine the name returned the specified reason and return codes.

## System action

The file was not opened.

## User response

Refer to [z/OS MVS Programming: Authorized Assembler Services Guide](#) for an explanation of the SVC 99 reason and return codes.



## Source

Binder

## Module

IEWBXIGE

**IEW2758S**

**ACTIVITY AGAINST DDNAME *ddname* IS NOT SUPPORTED BECAUSE UNIX IS NOT AVAILABLE.**

## Explanation

The binder attempted to access the z/OS UNIX file for with the specified ddname, but the z/OS UNIX System Services service routines were not available. z/OS UNIX System Services is either not installed or is not currently active.

## System action

The file was not opened.

## System programmer response

Ensure that z/OS UNIX System Services MVS is installed and active.

## User response

Contact system support personnel.

## Source

Binder

## Module

IEWBXIXI, IEWBXIXO, IEWBRSDM

**IEW2759S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED BECAUSE UNIX HAS DENIED READ ACCESS TO THE FILE.**

## Explanation

Either the user does not have read access to the z/OS UNIX file or there was a problem with the PATHMODE parameter on the DD statement defining the file.

## System action

The file was not opened.

## User response

Ensure that the owner of the file has granted read access to the file or correct the DD statement creating the file. For further information, refer to the explanation of the EACCES return code from the open() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI

**IEW2760S**

---

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED FOR INPUT BECAUSE PATHOPTS SPECIFIED WRITE ONLY.**

## Explanation

PATHOPTS passed to MVS allocation specified WRITEONLY access, but the binder was attempting to open the file for input.

## System action

The file was not opened.

## User response

Correct the PATHOPT parameter specified on this DD statement.

## Programmer response

Refer to the explanation of the ENFILE return code in the [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI

**IEW2761S**

---

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED BECAUSE UNIX HAS REACHED THE MAXIMUM NUMBER OF OPEN FILE DESCRIPTORS.**

## Explanation

There are too many files open for z/OS UNIX System Services to handle. The open() function returned ENFILE when the binder attempted to open the files associated with this ddname.

## System action

The file was not opened.

## User response

Refer to the explanation of the ENFILE return code for the open() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI, IEWBXIXO

---

**IEW2762S****FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED  
BECAUSE THE PATH NAME OR A COMPONENT OF THE PATH NAME IS  
TOO LONG.****Explanation**

The pathname or a component of a pathname exceeds 1023, the maximum length permitted by the z/OS UNIX System Services.

**System action**

The file was not opened

**User response**

Correct the pathname. For further information refer to the explanation of the ENAMETOOLONG return code from the open() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

**Source**

Binder

**Module**

IEWBXIXI, IEWBXIXO, IEWBXIOP

---

**IEW2763S****FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED  
BECAUSE THE FILE DOES NOT EXIST OR CANNOT BE CREATED.****Explanation**

The pathname specified does not correspond to a file known to z/OS UNIX System Services.

**System action**

The file was not opened.

**User response**

Correct the pathname. For further information refer to the explanation of the ENOENT return code from the open() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

**Source**

Binder

**Module**

IEWBXIXI, IEWBXIXO

---

**IEW2764S****FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED  
BECAUSE A COMPONENT OF THE PATH NAME IS NOT A DIRECTORY.****Explanation**

An incorrect directory name has been specified as part of the path name.

## System action

The file was not opened.

## User response

Correct the pathname. For further information, refer to the explanation of the ENOTDIR return code from the open() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI, IEWBXIXO, IEWBXROO, IEWBXIOP

---

|                 |  |
|-----------------|--|
| <b>IEW2765S</b> | <b>FILE ASSOCIATED WITH DDNAME <i>ddname</i> CANNOT BE OPENED. UNIX OPEN ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

z/OS UNIX System Services open() function failed with the indicated return code.

## System action

The file was not opened.

## User response

Check the meaning of the indicated return code for the z/OS UNIX System Services open() function found in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI, IEWBXIXO, IEWBXSDM

---

|                 |  |
|-----------------|--|
| <b>IEW2766S</b> | <b>DDNAME <i>ddname</i> IDENTIFIES A UNIX FILE AS PART OF A DATA SET CONCATENATION. THIS IS NOT SUPPORTED.</b> |
|-----------------|--|

## Explanation

The first data set in a concatenation is a z/OS UNIX file. z/OS UNIX files are not supported as part of data set concatenations.

## System action

The binder will not attempt to process any members of any data sets or files in the concatenation.

## User response

Modify the JCL to remove the z/OS UNIX file from the concatenation.

## Source

Binder

## Module

IEWBXIOP

---

**IEW2767S**

**MEMBER *member-name* IDENTIFIED BY DDNAME *ddname* HAS A NAME WHICH EXCEEDS MAXIMUM LENGTH ALLOWED FOR VERSION 1 OR LOAD MODULE.**

## Explanation

Module names or their associated aliases may not exceed 8 bytes for load modules or version 1 program object in a non-z/OS UNIX file.

## System action

Binder processing ends.

## User response

Ensure that the member name specified, or any alias associated with it, is not greater than the maximum allowed.

## Source

Binder

## Module

IEWBXIGD

---

**IEW2768S**

**ACTIVITY AGAINST DDNAME *ddname* CANNOT BE PERFORMED BECAUSE THE FILE DESCRIPTOR IS NO LONGER VALID.**

## Explanation

The binder attempted to perform I/O against the file associated with the specified ddname, but the z/OS UNIX System Services service routines no longer recognized the file.

## System action

Processing for the file ends.

## User response

Refer to the explanation of the EBADF return code from the read() or write() function in [\*z/OS UNIX System Services Programming: Assembler Callable Services Reference\*](#). Check for related error messages in the job log. If problems appears to be a system error, contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIXO, IEWBXIXI

---

**IEW2769S****FILE FOR DDNAME *ddname* CANNOT BE CLOSED. UNIX CLOSE ISSUED  
RETURN CODE *return-code* AND REASON CODE *reason-code*.****Explanation**

z/OS UNIX System Services close() failed with the indicated return code and reason codes.

**System action**

Processing for the file ends.

**User response**

Refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#) for an explanation of the indicated return code for the z/OS UNIX System Services close() function.

**Source**

Binder

**Module**

IEWBXIXO, IEWBXIXO, IEWBRSDM

---

**IEW2770E****AN I/O ERROR OCCURRED IN WRITING THE DIRECTORY FOR DDNAME  
*ddname* ALIAS NAME *alias\_name*. STOW RETURNED A REASON CODE  
OF *reason-code*.****Explanation**

An I/O error occurred writing the specified alias directory entry.

**System action**

The specified alias is not stowed and processing of remaining aliases for the member is terminated.

**User response**

Rerun job to see if error is permanent. Check SYS1.LOGREC to determine if the I/O device has had a permanent failure. It may be necessary to place the output dataset on a different volume.

**Source**

Binder

**Module**

IEWBXIPO

---

**IEW2771E****INSUFFICIENT VIRTUAL STORAGE TO UPDATE THE DIRECTORY FOR  
DDNAME *ddname* ALIAS NAME *alias-name*. STOW OF THE DIRECTORY  
ENTRY FAILED.****Explanation**

The directory entry for the alias was not written because of insufficient virtual storage.

## System action

The specified alias is not stowed and processing of remaining aliases for the member is terminated.

## User response

Rerun job with a larger region.

## Source

Binder

## Module

IEWBXIPO

---

|                 |   |
|-----------------|---|
| <b>IEW2772E</b> | <b>UPDATE OF DIRECTORY FAILED FOR ALIAS <i>alias-name</i>. STOW MACRO<br/>ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

STOW failed for the specified alias name.

## System action

The specified alias is not stowed and processing of remaining aliases for the member is terminated.

## User response

Refer to [\*z/OS DFSMS Macro Instructions for Data Sets\*](#) for an explanation of the return and reason codes.

## Source

Binder

## Module

IEWBXIPO

---

|                 |   |
|-----------------|---|
| <b>IEW2773S</b> | <b>FILE FOR DDNAME <i>ddname</i> CANNOT BE READ BECAUSE THE NON-<br/>BLOCK OPTION HAS BEEN CHOSEN AND NO DATA IS AVAILABLE TO<br/>READ.</b> |
|-----------------|---|

## Explanation

No data could be read from the z/OS UNIX file for the given ddname because of the non-block option.

## System action

Processing for the z/OS UNIX file ends.

## User response

Ensure that the PATHOPTS parameter on the DD statement is correct.

## Source

Binder

## Module

IEWBXIXI

---

**IEW2774S**

**FILE FOR DDNAME *ddname* CANNOT BE READ BECAUSE OF AN I/O ERROR.**

## Explanation

An I/O error has occurred or the z/OS UNIX file is assigned to the controlling terminal and cannot be read.

## System action

Processing for the file ends.

## User response

Refer to the explanation of the EIO return code for the read() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXI

---

**IEW2775S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE READ. UNIX READ RETURN CODE *return-code* AND REASON CODE *reason-code* .**

## Explanation

z/OS UNIX System Services read() function failed with the indicated return code.

## System action

Nothing was read from the z/OS UNIX file.

## User response

Refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#) for an explanation of the indicated return code for the z/OS UNIX System Services read() function.

## Source

Binder

## Module

IEWBXIXI

---

**IEW2776S**

**MEMBER *member-name* COULD NOT BE SAVED TO DATA SET IDENTIFIED BY DDNAME *ddname* BECAUSE THE DATA SET CONTAINS DATA MEMBERS.**

## Explanation

A PDSE may contain either program objects or data members, but not both. The PDSE type is determined by the first member stored in the PDSE. Thereafter the member type cannot be changed.



## System action

The program object is not saved to the PDSE.

## User response

Specify a different PDSE to contain the program object.

## Source

Binder

## Module

IEWBXILO

---

**IEW2777S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN  
BECAUSE UNIX HAS DENIED WRITE ACCESS TO THE FILE.**

## Explanation

The binder attempted to open for output the file associated with the specified ddname, but the z/OS UNIX System Services service routines have denied write access to the binder.

## System action

The file was not opened.

## User response

Ensure that the owner of the file has granted write access to the file, and ensure that the PATHMODE parameter on the DD statement associated with the file is correct.

For additional information, see the explanation of EACCES return code for the write() function in [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXO

---

**IEW2778S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE OPENED FOR  
OUTPUT BECAUSE PATHOPTS SPECIFIED READ ONLY.**

## Explanation

PATHOPTS passed to MVS allocation specified READONLY access, but the binder was attempting to open the file for output.

## System action

The file was not opened.

## User response

Correct the PATHOPT parameter specified on this DD statement.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2779E**

**DUPLICATE ALIAS NAME *alias-name* NOT ALLOWED.**

## Explanation

An attempt was made to add an alias with a path name which already exists in the z/OS UNIX file system.

## System action

The alias is not added.

## User response

Correct the input by either removing the request to add this alias or by deleting the existing entry and rerunning the link job.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2780E**

**INSUFFICIENT SPACE IN UNIX DIRECTORY FOR ALIAS *alias-name*.**

## Explanation

An attempt was made to add an alias to an z/OS UNIX System Services directory that had insufficient space.

## System action

The alias is not added.

## User response

Allocate additional space and rerun the job or specify a different directory.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2781E**

**ALIAS NAME *alias-name* ASSOCIATED WITH DDNAME *ddname* CANNOT BE ADDED. UNIX LINK RETURN CODE *return-code* AND REASON CODE *reason-code*.**

## Explanation

An attempt was made unsuccessfully to add an alias to a directory.

## System action

The alias is not added.

## User response

Refer to the z/OS UNIX System Services return codes for the link() function described in the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2782S</b> | <b>OUTPUT TO DATASET IDENTIFIED BY DDNAME <i>ddname</i> FAILED<br/>BECAUSE ENQ OR RESERVE MACRO ISSUED RETURN CODE <i>return-</i><br/><i>code</i>.</b> |
|-----------------|--|

---

## Explanation

An ENQ or RESERVE macro is issued before writing a load module to a PDS. This is done to ensure proper serialization if two or more binder or Linkage Editor jobs are attempting to write to the same data set. The ENQ or RESERVE has failed and the binder cannot proceed for fear of damaging the data set. The binder will only accept return code 0 or 8 from ENQ or RESERVE.

## System action

The load module is not saved.

## User response

Refer to [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) or [z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU](#) for an explanation of the specified reason and return codes.

## Source

Binder

## Module

IEWBXIPO

---

|                 |  |
|-----------------|--|
| <b>IEW2783E</b> | <b>NO REQUIRED PERMISSION TO ACCESS ALIAS <i>alias_name</i>.</b> |
|-----------------|--|

---

## Explanation

An attempt was made to add an alias to a directory. The return code indicates either no search permission for the path name or no write permission for the directory.

## System action

The alias is not added.

## User response

Check the z/OS UNIX System Services use options. Ensure that the pathnames for the specified output directory (usually associated with the SYSLMOD ddname) and for the alias itself are correct.

## Source

Binder

## Module

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2784I</b> | <b>DDNAME <i>ddname</i> WAS FOUND IN THE EXTENDED TIOT AND WAS IGNORED.</b> |
|-----------------|---|

---

## Explanation

The binder may have been invoked with a passed ddname associated with a UCB address allocated above the 16MB line with NOCAPTURE. The binder will not process this dataset.

## System action

The alias is not added.

## User response

Check the module path and the alias name. Ensure that the pathname components specified for the output directory (usually associated with the SYSLMOD ddname) and for the alias itself are correct.

## Source

Binder

## Module

IEWBXIOP, IEWBACTL

---

|                 |   |
|-----------------|---|
| <b>IEW2785S</b> | <b>AN ATTEMPT TO OBTAIN FILE STATISTICS FOR PATHNAME <i>pathname</i> FAILED. UNIX STAT RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

---

## Explanation

z/OS UNIX System Services stat() function failed with the indicated return code.

## System action

Processing of the data set is terminated.

## User response

Refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#) for an explanation of the indicated return code for the z/OS UNIX System Services stat() function.

## Source

Binder

## Module

IEWBXIOP

---

**IEW2786S**

**AN ATTEMPT TO PROCESS ARCHIVE FILE DATA FROM MEMBER *member*  
IN PATH *pathname* FAILED. ERROR ID = *error-id*.**

## Explanation

The binder encountered an error when attempting to process an archive file. One of the following has occurred, as indicated by *error-id*.

### Error-id

#### Description

#### 0001

The archive file directory indicates there is a member to be processed, but the binder could not find that member within the archive file. This error is probably caused by a damaged archive file.

#### 0002

The member in the archive file does not specify any size.

#### 0003

The size of the member specified in the archive file is zero.

#### 0004

The long member name represented in the variable member does not specify any size.

#### 0005

The size of the long member name represented in the variable member is zero.

#### 0006

See Error-id 0003.

#### 0007

The size of the member in the archive file is not a multiple of 80. Members must contain records with an 80-byte length.

#### 0008

The archive file directory is unavailable. This error is probably caused by having an archive file specified on an INCLUDE control statement. Archive files are only used for autocall processing.

#### 0009

The member header contains invalid data in a numeric field (date, UID, GID, or mode).

#### 0010

The member header is not validly terminated. It must end with X'7915'. This may be due to an incorrect seek value in the archive symbol table.

## System action

Nothing was processed from the archive file.

## User response

Check the archive file and ensure that it is correct.

## Source

Binder

## Module

IEWBXIXI

---

**IEW2787E**

**ALIAS NAME *alias\_name* EXCEEDS LENGTH LIMIT.**

## Explanation

An attempt was made to add an alias for a Program Object in a z/OS UNIX file. The alias name concatenated with the module path exceeded the z/OS UNIX System Services limit of 1024 characters.

## System action

The alias is not added.

## User response

Check the module path and the alias name. Ensure that the pathname components specified for the output directory (usually associated with the SYSLMOD ddname) and for the alias itself are correct.

## Source

Binder

## Module

IEWBXIXO

**IEW2788S**

**AN ATTEMPT TO PROCESS ARCHIVE FILE DATA IN PATH *pathname*  
FAILED BECAUSE THE FILE DOES NOT CONTAIN VALID DATA. ERROR  
ID = *error-id*.**

## Explanation

The binder encountered an error when attempting to process an archive file. One of the following has occurred, as indicated by *error-id*.

### Error-id

#### Description

#### 0201

The first entry is missing a member name of "\_\_\_SYMDEF". This member name indicates that the archive file contains valid data (object modules or control cards) to process.

#### 0501

The archive file does not specify any size for the symbol table.

#### 0502

The size of the symbol table specified in the archive file is zero.

#### 0503

Non-numeric data was found in other archive directory header fields (date, UID, GID, or mode).

#### 0504

The archive directory header is not validly terminated. It must end with X'7915'.

#### 0505

The number of symbols specified in the archive directory header is invalid. It must be a positive number less than 16Meg,

#### 0506

The number of names found in the archive directory does not match the number of symbols specified.

## System action

Nothing was processed from the archive file.

## User response

Check the archive file and ensure that it is correct.

## Source

Binder

## Module

IEWBXIOP, IEWBXIGD

---

### IEW2789I

**AN ATTEMPT TO CHANGE THE ATTRIBUTES FOR FILE ASSOCIATED WITH DDNAME *ddname* FAILED. UNIX ISSUED RETURN CODE *return-code* AND REASON CODE *reason-code*.**

## Explanation

After opening a z/OS UNIX file, an attempt to restore file or directory attributes failed. z/OS UNIX System Services `chattr()` failed with the indicated return code. One or more of the following attributes could not be restored after OPEN:

1. Program is considered program controlled.
2. Program runs APF authorized if linked AC=1. The return and reason codes from the z/OS UNIX System Services BPX1CHR call are provided in the message.

## System action

Processing of the data set continues.

## User response

Refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#) for an explanation of the indicated return code for the z/OS UNIX System Services `chattr()` function.

## Source

Binder

## Module

IEWBXIXO

---

### IEW2790S

**PATHMODE FOR FILE ASSOCIATED WITH DDNAME *ddname* NOT CHANGED. CHMOD ISSUED RETURN CODE *return-code* AND REASON CODE *reason code*.**

## Explanation

After writing a z/OS UNIX file, an attempt to change the pathmode failed. The return and reason codes from z/OS UNIX System Services service call BPX1FCM are provided in the message.

## System action

The request has failed. The output file may or may not have been written.

## User response

Refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#) for an explanation of the specified reason and return codes.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2791S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN  
BECAUSE THE NON-BLOCK OPTION HAS BEEN CHOSEN AND DATA  
CANNOT BE WRITTEN IMMEDIATELY.**

## Explanation

The binder attempted to write to the given file but could not because the non-block option had been specified.

## System action

Processing for the file ends.

## User response

Refer to the explanation of the EAGAIN return code for the write() function in the [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#). Also ensure that the PATHOPTS parameter on the DD statement is correct.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2792S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN  
BECAUSE OF AN I/O ERROR.**

## Explanation

An I/O error has occurred or the z/OS UNIX file is assigned to the controlling terminal and cannot be written.

## System action

Processing for the file ends.

## User response

Ensure that the parameters associated with the specified ddname are correct. Refer to the explanation of the EIO return code for the write() function in the [z/OS UNIX System Services Programming: Assembler Callable Services Reference](#).

## Source

Binder

## Module

IEWBXIXO



---

**IEW2793S****FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN  
BECAUSE IT IS TOO BIG.****Explanation**

The z/OS UNIX file cannot be written because it exceeds the maximum file size supported by this file system.

**System action**

Processing for the file ends.

**User response**

Break the file up into smaller files, restructure it or store it in a different file system.

**Source**

Binder

**Module**

IEWBXIXO

---

**IEW2794S****FILE FOR DDNAME *ddname* CANNOT BE WRITTEN BECAUSE SPACE ON  
THE OUTPUT DEVICE IS EXHAUSTED.****Explanation**

The file cannot be written because there was not enough space available on the output device, or the z/OS Unix System Services parameter MAXFILESIZE has been exceeded.

**System action**

Processing for the file ends.

**User response**

Refer to the explanation of the ENOSPC return code for write() function in the *z/OS UNIX System Services Programming: Assembler Callable Services Reference*. Check the existing z/OS UNIX limits by using the z/OS UNIX command 'ulimit', and increase the MAXFILESIZE parameter if needed.

**Source**

Binder

**Module**

IEWBXIXO

---

**IEW2795S****FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN  
BECAUSE PIPING HAS BEEN SPECIFIED AND THERE IS NO OTHER  
PROCESS OPEN TO READ THE DATA.****Explanation**

Piping has been specified on the PATHOPTS parameter of the DD statement, but there is no process open to read from the pipe.

## System action

Processing for the file ends.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2796S**

**FILE ASSOCIATED WITH DDNAME *ddname* CANNOT BE WRITTEN.  
UNIX WRITE ISSUED RETURN CODE *return-code* AND REASON CODE  
*reason-code*.**

## Explanation

z/OS UNIX System Services write() function failed with the indicated return and reason codes.

## System action

Processing for the file ends.

## User response

For further information on the write() function reason and return codes, refer to the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

## Source

Binder

## Module

IEWBXIXO, IEWBRSDM

---

**IEW2797S**

**UNIX FILE ASSOCIATED WITH *ddname* HAS INVALID RECORD FORMAT.**

## Explanation

The length of a z/OS UNIX System Services program object was not a multiple of 4096. Either the file had an incorrect length, or the file was specified as a PIPE, FIFO, or special file and the required amount of data could not be read.

## System action

Processing for the file ends.

## User response

Ensure that the pathname associated with the indicated ddname specifies a valid program object.

## Source

Binder

## Module

IEWBXIGE

---

|                 |   |
|-----------------|---|
| <b>IEW2798S</b> | <b>FILE ASSOCIATED WITH DDNAME <i>ddname</i> WAS IN OBJECT FORMAT, BUT THE FILE FORMAT WAS INVALID.</b> |
|-----------------|---|

---

## Explanation

The length of an z/OS UNIX System Services object format file was not a multiple of 80.

## System action

Processing continues, but the invalid object module is discarded.

## User response

Recreate a valid object file.

## Source

Binder

## Module

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2799S</b> | <b>SPACE IS NOT AVAILABLE ON DIRECT ACCESS STORAGE TO STORE THE DIRECTORY ENTRIES FOR MEMBER <i>member-name</i>. THIS IS EQUIVALENT TO A <i>abend-code</i> ABEND.</b> |
|-----------------|---|

---

## Explanation

The directory entry for a program object could not be saved because there was not enough direct access storage allocated to the PDSE. An equivalent abend code provides more information about the cause of the problem.

## System action

Processing for the data set terminates.

## User response

Allocate more space for the output PDSE data set.

## Source

Binder

## Module

IEWBXIPU

---

|                 |  |
|-----------------|--|
| <b>IEW2800S</b> | <b>THERE WAS NOT ENOUGH VIRTUAL STORAGE AVAILABLE TO READ DIRECTORY ENTRIES FROM DDNAME <i>ddname</i>.</b> |
|-----------------|--|

---

## Explanation

A GETMAIN macro failed in preparation for reading directory entries from the data set referenced by the specified DD statement.

## System action

Processing for the data set terminates.

## User response

Alter the JCL for the job to specify a larger region size.

## Source

Binder

## Module

IEWBXIGD

---

|                 |  |
|-----------------|--|
| <b>IEW2801S</b> | <b>AN I/O ERROR OCCURRED WHILE ATTEMPTING TO READ DIRECTORY ENTRIES FROM DDNAME <i>ddname</i>.</b> |
|-----------------|--|

## Explanation

An I/O has occurred while attempting to read directory entries from the data sets referenced by the specified DD statement.

## System action

Processing for the data set terminates.

## User response

Rerun the job. If the error persists, contact system support personnel.

## Source

Binder

## Module

IEWBXIGD

---

|                 |  |
|-----------------|--|
| <b>IEW2802S</b> | <b>CSVQUERY SERVICE ISSUED RETURN CODE <i>return-code</i> WHEN ATTEMPTING TO FIND THE SPECIFIED MODULE LOADED IN MAIN STORAGE.</b> |
|-----------------|--|

## Explanation

The binder was called to include a module defined by the entry point token (EPTOKEN) passed as a parameter to the binder. The CSVQUERY service issued a return code when invoked with the specified EPTOKEN.

## System action

Processing for this module terminates. It is not included.

## User response

Correct the input to the binder to pass a valid EPTOKEN.

## Source

Binder

## Module

IEWBXIOP

---

|                 |  |
|-----------------|--|
| <b>IEW2803S</b> | <b>AN I/O ERROR OCCURRED FOR DDNAME <i>ddname</i>, MEMBER <i>member</i> AND CONCATENATION NUMBER <i>concatenation</i>. EXCP ISSUED RETURN CODE <i>return-code</i>.</b> |
|-----------------|--|

## Explanation

A I/O error occurred reading from a data set opened for EXCP. The DCB specifying EXCP was opened and passed as a parameter to the BINDER.

## System action

Processing for the data set terminates.

## User response

Return codes from EXCP are documented under Event Control Block Fields in [z/OS DFSMS Using Data Sets](#).

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2804S</b> | <b>A RECORD LONGER THAN THE BLKSIZE WAS FOUND FOR DDNAME <i>ddname</i>, MEMBER <i>member</i> AND CONCATENATION NUMBER <i>concatenation</i>.</b> |
|-----------------|---|

## Explanation

A block which was larger than the BLKSIZE parameter was read from the data set.

## System action

Input processing for the data set terminates.

## User response

Increase the BLKSIZE in the DCB for the data set and rerun the job.

## Source

Binder

## Module

IEWBXIPI

---

|                 |  |
|-----------------|--|
| <b>IEW2805S</b> | <b>AN INVALID RECORD TTR WAS FOUND FOR DDNAME <i>ddname</i>, MEMBER <i>member</i> AND CONCATENATION NUMBER <i>concatenation</i>.</b> |
|-----------------|--|

## Explanation

A TTR was translated into an address that was not contained within the extents of the data set. This can happen if the dataset is opened with DISP=SHR by a concurrent task and is updated to cause the number of extents to be increased.

## System action

Processing for the data set terminates.

## User response

Ensure that any job updating the data set specifies DISP=OLD.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2806S</b> | <b>THE FILE SPECIFIED BY DDNAME <i>ddname</i> CANNOT BE READ BECAUSE IT HAS BEEN MARKED "EXECUTE ONLY" BY RACF.</b> |
|-----------------|---|

## Explanation

The owner of the specified data set has not granted read authority to it.

## System action

Input processing for the data set terminates.

## User response

Ask the owner of the data set to grant read authority to it.

## Source

Binder

## Module

IEWBXIPI, IEWBXIOP

---

|                 |  |
|-----------------|--|
| <b>IEW2807S</b> | <b>READ FAILED FOR PDS MEMBER <i>member</i> FROM DDNAME <i>ddname</i> CONCATENATION NUMBER <i>concatenation number</i>. BINDER MODULE IEWBXILO ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

An error has occurred while reading the data set.

## System action

Input processing for the data set terminates.

## User response

An internal system service encountered an error. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center to diagnose the problem.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2808S</b> | <b>READ FAILED FOR PDS MEMBER <i>member</i> FROM DDNAME <i>ddname</i> CONCATENATION NUMBER <i>concatenation number</i>. COMPONENT <i>component</i> ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>. SERVICE <i>service</i> ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

## Explanation

An error has occurred while reading the data set.

## System action

Input processing for the data set terminates.

## User response

An internal system service encountered an error. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center to diagnose the problem.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2809E</b> | <b>PROGRAM <i>member-name</i> CANNOT BE RETRIEVED BECAUSE CSVQUERY INDICATES MODULE PROVIDER WAS <i>provider-id</i> INSTEAD OF PROGRAM MANAGEMENT LOADER.</b> |
|-----------------|---|

## Explanation

Since the Program Management Loader did not load the specified program, the binder does not have access to the provider information for that module.

## System action

The specified program can not be accessed.

## User response

The program may be in LPA or may have been loaded by the Library Lookaside (LLA) Facility or by another product. Remove the program or library from the linklist or the library lookaside (LLA) list.

## Module

IEWBXIOP

---

**IEW2810E** EPTOKEN *eptoken* CANNOT BE USED.

## Explanation

The binder was called to include a module defined by the entry point token (EPTOKEN) passed as a parameter to the binder. The module was loaded from a private library, OR was loaded from a tasklib and the tasklib does not exist in the forked child.

## System action

Processing for this module terminates. It is not included.

## User response

Correct the input to the binder to pass a valid EPTOKEN.

## Module

IEWBXIOP

---

**IEW2811I** DEFINITION SIDE FILE ALIAS NAME *alias\_name* EXCEEDS LENGTH LIMIT.

## Explanation

An attempt was made to add an alias to a definition side file directory. The alias name concatenated with the definition side file path exceeds the z/OS UNIX System Services limit of 1024 characters, or a single component of the name exceeds 255 characters. The binder generates definition side file aliases from the aliases specified for the SYSLMOD data set.

## System action

The alias is not added.

## User response

Check the definition side file path and the alias name. Ensure that the pathname components specified for the definition side file directory (usually associated with the SYSDEFSD ddname) and for the alias itself are correct.

## Source

Binder

## Module

IEWBXIXO

---

**IEW2812S** NO FILE NAME WAS SPECIFIED FOR DDNAME *ddname*.

## Explanation

The z/OS UNIX file pointed to by the specified ddname is a directory. It does not specify a file name. Also, for an input ddname, the INCLUDE statement does not specify a file name, or for an output ddname, the NAME statement does not specify a file name.



## System action

Processing for the file terminates.

## User response

For an input ddname, correct the INCLUDE statement or change the DD statement to include a file name. For an output ddname, correct the NAME statement or change the DD statement to include a file name.

## Source

Binder

## Module

IEWBXIXI, IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2813I</b> | <b>THE MODULE IDENTIFIED BY DDNAME <i>ddname</i> WITHIN MEMBER <i>member</i> MAY CONTAIN FEATURES NOT SUPPORTED BY THE SPECIFIED COMPAT LEVEL.</b> |
|-----------------|--|

---

## Explanation

An Extended Object Module (XOBJ) is being processed and the COMPAT option specifies an earlier release of the binder.

## System action

Processing continues.

## User response

If additional error messages are produced by the binder, either remove the COMPAT level specified, or change it to a level compatible with processing the XOBJ.

## Source

Binder

## Module

IEWBXR00

---

|                 |   |
|-----------------|---|
| <b>IEW2814E</b> | <b>SYMLINK REQUEST FOR <i>symlink</i> FAILED. SYMLINK ISSUED RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

---

## Explanation

A z/OS UNIX System Services symlink() request issued by the binder failed. The return and reason codes returned by the z/OS UNIX System Services subsystem are indicated in the message.

## System action

Processing continues.

## User response

See the action suggested for the indicated reason and return code in [z/OS UNIX System Services Messages and Codes](#).

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2815E</b> | <b>READLINK REQUEST FOR <i>symlink</i> RETURNED <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|--|

---

## Explanation

A z/OS UNIX System Services readlink() request issued by the binder failed. The return and reason codes returned by the z/OS UNIX System Services subsystem are indicated in the message.

## System action

The current symlink() request cannot be processed.

## User response

See the action suggested for the indicated reason and return codes in [z/OS UNIX System Services Messages and Codes](#).

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2816E</b> | <b>NO SYMPATH WAS SPECIFIED. SYMBOLIC LINKS CANNOT BE ESTABLISHED.</b> |
|-----------------|--|

---

## Explanation

A series of one or more requests to establish symlinks was received, but no sympath specification was received by the start of save processing.

## System action

The symlink requests will be ignored. Save processing will continue.

## User response

Check control statements in the input stream.

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2817W</b> | <b>GID <i>groupid</i> NOT PROCESSED. UNIX SYSTEM SERVICES FUNCTION GETGRNAM RETURNED REASON CODE <i>reason</i> AND RETURN CODE <i>rc</i></b> |
|-----------------|--|

---

**Explanation**

The value specified for GID is not a TSO/E user name and the value specified for GID is not all numeric.

**System action**

The binder will not attempt to set GID for SYSLMOD or any associated files (such as SYSDEFSD).

**User response**

Ensure that GID was specified correctly.

**Source**

Binder

**Module**

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2818W</b> | <b>UID <i>userid</i> NOT PROCESSED. UNIX SYSTEM SERVICES FUNCTION GETPWNAM RETURNED REASON CODE <i>reason</i> AND RETURN CODE <i>rc</i></b> |
|-----------------|---|

**Explanation**

The value specified for UID is not a TSO/E user name and the value specified for UID is not all numeric.

**System action**

The binder will not attempt to set UID for SYSLMOD or any associated files (such as SYSDEFSD).

**User response**

Ensure that UID was specified correctly.

**Source**

Binder

**Module**

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2819W</b> | <b>AN ATTEMPT TO CHANGE THE ATTRIBUTES FOR FILE ASSOCIATED WITH DDNAME <i>ddname</i> FAILED. UNIX <i>syscall</i> RETURN CODE <i>return-code</i> AND REASON CODE <i>reason-code</i>.</b> |
|-----------------|---|

**Explanation**

A z/OS UNIX System Services `chattr()` or `lchown()` request issued by the binder failed. The *syscall* will be identified in the message as CHATTR or LCHOWN. The return and reason codes returned by the z/OS UNIX System Services subsystem are indicated in the message.

**System action**

Some of the file attributes cannot be changed, but processing continues.

## User response

See the action suggested for the reason and return codes in [z/OS UNIX System Services Messages and Codes](#).

## Source

Binder

## Module

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2820W</b> | <b>EXISTING SYMBOLIC LINK <i>pathname</i> DOES NOT MATCH SYMPATH.</b> |
|-----------------|---|

## Explanation

There is already a symbolic link file with a matching path, but the contents do not match the requested symopath.

## System action

The existing symbolic link will not be changed.

## User response

Ensure that SYMLINK and SYMPATH were specified correctly.

## Source

Binder

## Module

IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2821W</b> | <b>UID <i>userid</i> NOT PROCESSED. UNIX SYSTEM SERVICES FUNCTION<br/>GETPWUID RETURNED REASON CODE <i>reason</i> AND RETURN CODE <i>rc</i></b> |
|-----------------|---|

## Explanation

The value specified for UID is not a TSO/E user name or z/OS UNIX user ID known to the system.

## System action

The binder will not attempt to set UID for SYSLMOD or any associated files (such as SYSDEFSD).

## User response

Ensure that UID was specified correctly.

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2822W</b> | <b>GID <i>groupid</i> NOT PROCESSED. UNIX SYSTEM SERVICES FUNCTION<br/>GETGRGID RETURNED REASON CODE <i>reason</i> AND RETURN CODE <i>rc</i></b> |
|-----------------|--|

## Explanation

The value specified for GID is not a TSO/E user name or z/OS UNIX user ID known to the system.

## System action

The binder will not attempt to set GID for SYSLMOD or any associated files (such as SYSDEFSD).

## User response

Ensure that GID was specified correctly.

## Source

Binder

## Module

IEWBXIXO

---

|                 |  |
|-----------------|--|
| <b>IEW2823I</b> | <b>THE TRUE PATH NAME ASSOCIATED WITH DDNAME <i>ddname</i> COULD NOT BE PROCESSED.</b> |
|-----------------|--|

---

## Explanation

The side file might contain invalid DLL names since the path name associated with this ddname could not be determined. The reason is that certain file systems (such as NFS) do not completely support very long path names. The path name (starting with a slash) is limited to 63 characters. If the path name does not start with a slash, then a file name is obtained instead of a path name. Also, the file name is limited to 63 characters.

## System action

None.

## User response

Shorten path name or file name to be less than or equal to 63 characters long.

## Source

Binder

## Module

IEWBXIXI IEWBXIXO

---

|                 |   |
|-----------------|---|
| <b>IEW2824E</b> | <b>DDNAME <i>xxxxx</i> SPECIFIES AN EXECUTE-ONLY DATA SET SO THE BINDER IS UNABLE TO READ IT.</b> |
|-----------------|---|

---

## Explanation

The binder attempted to read from a data set associated with the specified DD name, but the system's authorization tool (RACF or equivalent) would not permit the data to be read.

## System action

The INCLUDE or autocall operation being attempted is skipped. This is likely to result in unresolved symbols.

## User response

Either replace or remove the data set that cannot be read, or request that it be made read only rather than execute only. If the DD statement defines a concatenation of data sets, you might need to use ISPF or a similar tool to look at the data in each data set in order to determine which one cannot be read.

## Source

Binder

## Module

IEWBXIPI

---

|                 |   |
|-----------------|---|
| <b>IEW2850I</b> | <b><i>module-name HAS BEEN action WITH AMODE amode AND RMODE rmode. ENTRY POINT NAME is epname.</i></b> |
|-----------------|---|

## Explanation

The user has turned off the summary report, using LIST(OFF) or LIST(STMT), so the binder is providing some minimal information about the loaded or saved module.

## System action

Processing continues normally.

## User response

None required, but if a summary report is desired, specify LIST(ALL).

## Source

Binder

## Module

IEWBPROS

---

|                 |   |
|-----------------|---|
| <b>IEW2889E</b> | <b><i>RELEASE DIRECTORY ENTRY FAILED FOR MEMBER NAME member-name DDNAME NAME ddname. DIRECTORY SERVICES ISSUED RETURN CODE return-code AND REASON CODE reason-code.</i></b> |
|-----------------|---|

## Explanation

An error was detected while attempting to release the connection to the specified member.

## System action

Processing for the specified member is terminated.

## User response

Check to ensure that the data set is a PDSE with a valid directory. If the data set appears to be correct, contact the IBM Support Center.

## Source

Binder

## Module

IEWBXIGD

---

**IEW2900T**

**BINDER ABNORMAL TERMINATION *diagnostic-code*.**

## Explanation

One of two possible conditions has occurred. Either the binder has recognized a logic error, or some system service required by the binder has failed.

## System action

Processing is terminated.

## User response

Check job log messages and other printed output for an indication that some system service has failed. If none can be found, it is likely the binder has had an internal logic error. Contact the IBM Support Center.

## Source

Binder

## Module

IEWBRERS

---

**IEW2910T**

**SYSTEM ABEND. ABEND CODE=*system-code*.**

## Explanation

A system abend or program check occurred while the binder's error recovery was in control. The system abend code has been provided in the message.

## System action

Binder processing terminates.

## User response

Check the symptom dump in the JOBLLOG messages and other printed output for an indication of the location of the error. Contact the IBM Support Center.

## Source

Binder

## Module

IEWBR00X

---

**IEW2911T**

**USER ABEND. ABEND CODE=*user-code*.**

## Explanation

An user abend occurred while binder's error recovery was in control. The user abend code has been provided in the message

## System action

Binder processing terminates.

## User response

Check the symptom dump in the JOBLOG messages and other printed output for an indication of the location of the error. Contact the IBM Support Center.

## Source

## Binder

## Module

IEWBR00X

|                 |   |
|-----------------|---|
| <b>IEW2950I</b> | <b>SIGNING RECORDS HAVE BEEN DISCARDED.</b> |
|-----------------|---|

### Explanation

The input load module is a signed load module. It will become unsigned after the binder processing.

## System action

Processing continues.

**User response:**

None.

## Source

## Binder

## Module

IEWBXCRW

|          |   |
|----------|---|
| IEW2971T | INSUFFICIENT <i>storage-class</i> STORAGE WAS AVAILABLE TO CONTINUE<br>BINDER PROCESSING. |
|----------|---|

### Explanation

The binder gets its storage from three different places. Storage class 1 refers to storage in the user's address space below 16 Meg. Storage class 2 refers to storage above the 16 Meg line. Storage class 3 refers to dataspace storage. A binder request for a block of storage in the class shown could not be satisfied.

If the binder cannot acquire dataspace storage, it will attempt to satisfy the request from primary storage, first from above 16Mb and then from below 16Mb. However, primary storage may have been constrained by the SIZE or WKSPACE binder parameters or the available region. This message indicates that the binder could not satisfy the request from any suitable class of storage.

## System action

Processing is terminated.

## User response

If the SIZE parameter was specified, increasing (or removing) the first subparameter will allow the binder to use more class 1 storage. Increasing the WKSPACE parameter for the specified class (or removing the WKSPACE



parameter completely) will allow the binder to use more address space storage. If that is not possible to do, or fails to solve problem, then increase REGION size for job step.

If removing the SIZE or WKSPACE parameter and increasing the REGION does not solve the problem, contact your system support representative to determine if there are local constraints on region and dataspace storage.

## Source

Binder

## Module

IEWBSGET

---

**IEW2972W**

**A REQUEST FOR ADDITIONAL DATA SPACE STORAGE COULD NOT BE HONORED. DSPSERV REASON CODE OF *reason-code* WAS RETURNED.**

## Explanation

The binder has attempted to create a data space with a DSPSERV CREATE request which has completed with a return code greater than 4. The DSPSERV reason code returned is shown in the message.

## System action

Processing continues using non-data space storage.

## User response

Check out the DSPSERV CREATE reason code in the [z/OS MVS Programming: Assembler Services Reference ABE-HSP](#). This condition could cause an out of storage failure later in binder processing.

## Source

Binder

## Module

IEWBSTOR

---

**IEW2974T**

**REGION TOO SMALL TO ESTABLISH BINDER ENVIRONMENT.**

## Explanation

Minimum storage requirements for binder processing to begin are unavailable.

## System action

Processing is terminated.

## User response

Increase REGION parameter in the JCL. The binder needs a minimum of 1 to 2 Meg. Thereafter storage requirements are directly related to the size of the module being bound.

## Source

Binder

## Module

IEWBSCR8

---

**IEW2980E**

**PRINT EXIT RETURNED INVALID RETURN CODE AND HAS BEEN  
DISABLED. RC = *return-code*.**

## Explanation

User print exit returned a return code which was not equal to 0 or 4.

## System action

Processing continues without print exit.

## User response

This message comes out on the job log. Check SYSPRINT, SYSTEM or the ensuing job log message to view message that print exit failed on. Review print exit internal code to determine why return code was not 0 or 4.

## Source

Binder

## Module

IEWBRERS

---

**IEW2985W**

**DDNAME *ddname* CAN NOT BE ALLOCATED TO A UNIX FILE.**

## Explanation

The system does not support allocation of the indicated ddname to a z/OS UNIX file.

## System action

If this was an optional ddname, processing continues without using the specified ddname.

## User response

Correct JCL to allocate to an MVS data set.

## Source

Binder

## Module

IEWBRCRE, IEWBRSMD

---

**IEW2986E**

***ddname* DD STATEMENT MISSING.**

## Explanation

The DDNAME statement specified was expected, but was missing.

## System action

Processing continues without using missing file.

## User response

Correct JCL to provide missing DD statement. If using the Binder Application Programming Interface, the STARTD filelist parameter requires the missing file to be specified. If missing file was SYSTERM, the TERM option was specified.

## Source

Binder

## Module

IEWBRCRE, IEWBRSDM

---

|                 |   |
|-----------------|---|
| <b>IEW2987W</b> | <b><i>fff</i> CANNOT BE A PATHNAME OR OPEN DCB.</b> |
|-----------------|---|

## Explanation

A path name was specified for diagnostic files TRACE or GOFF, or an open DCB was passed for a file rather than PRINT or TERM.

## System action

The file specification is ignored.

## User response

Correct the specification.

## Source

Binder

## Module

IEWBDINT

---

|                 |   |
|-----------------|---|
| <b>IEW2992S</b> | <b>A SYNAD EXIT WAS ENCOUNTERED FOR DDNAME <i>ddname</i>. SYNAD MESSAGE = <i>synad-message</i>.</b> |
|-----------------|---|

## Explanation

I/O error occurred for the data set associated with the specified ddname.

## System action

Processing continues.

## User response

Correct problem causing I/O error, as determined in the SYNAD message.

## Source

Binder

## Module

IEWBRSDM

---

**IEW2993I****ESTAE COULD NOT BE DELETED.****Explanation**

System error occurred during binder termination, when the binder invoked a service to delete its ESTAE exit.

**System action**

Processing continues.

**User response**

None. If problem persists, Contact the IBM Support Center.

**Source**

Binder

**Module**

IEWBR02

---

**IEW2994W****OPEN FAILED FOR DIAGNOSTIC DDNAME *ddname*.****Explanation**

Attempt to open IEWTRACE or IEWDUMP datasets failed.

**System action**

Processing continues.

**User response**

Ensure that DD statements for IEWTRACE and IEWDUMP are included and are correct.

**Source**

Binder

**Module**

IEWBRSDM

---

**IEW2995I****ADDITIONAL MESSAGES HAVE BEEN SENT TO JOBLOG.****Explanation**

There are error messages of severity 12 or higher in job log. These messages are for errors detected by the binder prior to opening SYSPRINT or SYSLOUT.

**System action**

Processing continues.

**User response**

Check job log messages. NOTE: This message cannot be turned off by MSGLEVEL parameter. It is forced out because of the importance of having the caller look at the job log messages.

**Source**

Binder

**Module**

IEWBRCRE



---

# Chapter 13. IEW messages (IEW3000 - IEW3999)

---

---

|          |  |
|----------|--|
| IEW3000I | PROCESSING COMPLETED WITH RETURN CODE = <i>return-code</i> . |
|----------|--|

---

**Explanation**

PMTPORT processing has completed with the indicated return code.

**System action**

Processing completed.

**User response**

None.

**Source**

PMTPORT

**Module**

IEWTPORT

---

|          |   |
|----------|---|
| IEW3020E | MEMBER <i>member-name</i> IN SYSUT1 IS AN OVERLAY PROGRAM OBJECT AND CANNOT BE CONVERTED. |
|----------|---|

---

**Explanation**

The indicated member in the input dataset SYSUT1 is an overlay program object. PMTPORT does not support overlay program objects and thus cannot convert them to transportable programs.

**System action**

Processing ends if the user specified only one member of a program object library in the input dataset SYSUT1 at the invocation of PMTPORT. Processing continues with the next member if the user specified an entire program object library in the input dataset SYSUT1 at the invocation of PMTPORT.

**User response**

Verify the indicated program object library member. Ensure that the program object you wish to convert to a transportable program is not an overlay program object.

**Source**

PMTPORT

**Module**

IEWTPORT

---

|          |   |
|----------|---|
| IEW3025E | MEMBER <i>member-name</i> IN SYSUT1 HAS A PO LEVEL GREATER THAN THAT SUPPORTED AND CANNOT BE CONVERTED. |
|----------|---|

---

## Explanation

The indicated member in the input dataset SYSUT1 has a PO level greater than PO3. PMTPORT does not support program objects beyond PO3 and cannot convert them to transportable programs.

## System action

Processing ends if the user specified only one member of a program object library in the input dataset SYSUT1 at the invocation of PMTPORT. Processing continues with the next member if the user specified an entire program object library in the input dataset SYSUT1 at the invocation of PMTPORT.

## User response

Verify the indicated program object library member. Ensure that the program object you wish to convert to a transportable program is not in a format greater than PO3.

## Source

PMTPORT

## Module

IEWTPORT

---

|                 |  |
|-----------------|--|
| <b>IEW3031T</b> | <b><i>ddname IS NEITHER A SEQUENTIAL DATASET OR A PDSE PROGRAM OBJECT LIBRARY.</i></b> |
|-----------------|--|

## Explanation

Input dataset SYSUT1 or output dataset SYSUT2 must be either a sequential dataset or a PDSE program object library.

## System action

Processing ends.

## User response

Verify the ddname and correct the error.

## Source

PMTPORT

## Module

IEWTSYSD

---

|                 |  |
|-----------------|--|
| <b>IEW3032S</b> | <b><i>ddname REFERENCES AN INCORRECT TRANSPORTABLE FILE.</i></b> |
|-----------------|--|

## Explanation

Input dataset SYSUT1 is not in transportable file format. It does not contain transportable program(s) which can be converted to program object(s).

## System action

Processing ends.



## User response

Ensure that the input dataset SYSUT1 is a physical sequential dataset which contains transportable program(s).

## Source

PMTPORT

## Module

IEWTPROG

---

|                 |  |
|-----------------|--|
| <b>IEW3033S</b> | <b>DIRECTORY SERVICES FAILED WITH RETURN CODE = <i>return-code</i> AND REASON CODE = <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

Directory Services failed.

## System action

Processing ends.

## User response

Contact your IBM service representative.

## Source

PMTPORT

## Module

IEWTPORT

---

|                 |  |
|-----------------|--|
| <b>IEW3034W</b> | <b>INPUT DATASET SYSUT1 CONTAINS NO MEMBERS.</b> |
|-----------------|--|

## Explanation

The PDSE program object library referenced by SYSUT1 contains no program objects to convert to transportable programs.

## System action

PMTPORT has created a transportable file with no transportable programs in it.

## User response

None.

## Source

PMTPORT

## Module

IEWTPORT

---

|                 |   |
|-----------------|---|
| <b>IEW3035E</b> | <b>DIRECTORY SERVICES FAILED FOR MEMBER <i>member-name</i> WITH RETURN CODE= <i>return-code</i> AND REASON CODE = <i>reason-code</i>.</b> |
|-----------------|---|

**Explanation**

Directory Services failed for the specified member.

**System action**

Processing continues with the next program object library member.

**User response**

Contact your IBM service representative.

**Source**

PMTPORT

**Module**

IEWTPORT

---

**IEW3036T** *ddname IS REQUIRED BUT WAS NOT ALLOCATED.***Explanation**

The indicated ddname was not allocated.

**System action**

Processing ends.

**User response**

Provide a DD statement for the required ddname.

**Source**

PMTPORT

**Module**

IEWTSYSD

---

**IEW3037T** *ddname CANNOT BE OPENED.***Explanation**

The SYSUT1 or SYSUT2 dataset cannot be opened. The DD statement defining the dataset is incorrect.

**System action**

Processing ends.

**User response**

Add or correct the identified DD statement in the job step.

**Source**

PMTPORT

## Module

IEWTPDIO

---

**IEW3038S**

**BINDER FUNCTION *function-name* FAILED WITH RETURN CODE = *return-code* AND REASON CODE = *reason-code*.**

## Explanation

The binder call whose function name is *function-name* failed with the return and reason codes shown.

## System action

Processing ends.

## User response

Examine any prior binder messages. Otherwise, verify the meaning of the binder return and reason codes in [z/OS MVS Program Management: User's Guide and Reference](#).

## Source

PMTPORT

## Module

IEWTPORT

---

**IEW3039S**

**PMTPORT ENCOUNTERED AN I/O ERROR ON *ddname*. SYSTEM MESSAGE FOLLOWS BELOW:**

## Explanation

There occurred an I/O error while reading from the input dataset SYSUT1 or writing to the output dataset SYSUT2. PMTPORT has displayed system information regarding the error.

## System action

Processing ends.

## User response

Analyze the error with the assistance of the system information printed in user message IEW3039S. Solve the problem and resubmit the job.

## Source

PMTPORT

## Module

IEWTPDIO

---

**IEW3050T**

**INSUFFICIENT STORAGE WAS AVAILABLE TO CONTINUE.**

## Explanation

PMTPORT does not have sufficient virtual storage for processing.

## System action

Processing ends.

## User response

Increase REGION size for job step. Resubmit the job.

## Source

PMTPORT

## Module

IEWTPRNT

---

|                 |  |
|-----------------|--|
| <b>IEW3051T</b> | <b>THE SPECIFIED MEMBER NAME DOES NOT EXIST.</b> |
|-----------------|--|

## Explanation

The member name specified at the invocation of PMTPORT does not exist in the SYSUT1 PDSE program object library.

## System action

Processing ends.

## User response

Verify the correctness or existence of the member name.

## Source

PMTPORT

## Module

IEWTPORT

---

|                 |  |
|-----------------|--|
| <b>IEW3052T</b> | <b>DATASET INFORMATION RETRIEVAL (SVC 99) FAILED WITH RETURN CODE = <i>return-code</i> AND REASON CODE = <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

The SVC99 call, which verifies the allocation of the input and output datasets, failed with the return and reason codes shown.

## System action

Processing ends.

## User response

Contact your IBM service representative.

## Source

PMTPORT

## Module

IEWTSYSD

---

**IEW3053T**

**THE PDSE DATASET VERIFICATION FUNCTION (ISITMGD) FAILED  
WITH RETURN CODE = *return-code* AND REASON CODE = *reason-code*.**

## Explanation

The ISITMGD macro, which verifies whether SYSUT1 or SYSUT2 is a PDSE program object library, failed with the indicated return and reason codes.

## System action

Processing ends.

## User response

Contact your IBM service representative.

## Source

PMTPORT

## Module

IEWTSYSD

---

**IEW3090T**

**SYSPRINT DD STATEMENT MISSING.**

## Explanation

The required ddname SYSPRINT is missing in the invocation of PMTPORT.

## System action

Processing ends.

## User response

Supply or correct the SYSPRINT DD statement.

## Source

PMTPORT

## Module

IEWTPRNT



---

## Chapter 14. IEW messages (IEW4000 - IEW4999)

---

---

|                 |  |
|-----------------|--|
| <b>IEW4000I</b> | <b>FETCH FOR MODULE <i>program-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE INSUFFICIENT STORAGE WAS AVAILABLE.</b> |
|-----------------|--|

---

### Explanation

There was insufficient storage available to load the load module or program object. If the DDNAME is \*VLF\*, then this failure occurred while attempting to retrieve the module or program object from VLF rather than from a dataset.

### System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

### User response

Rerun the job with a larger region size specified.

### Source

Loader or LLA

### Module

IEWLSFTO or CSVLLTCH

### Routing code

11

### Descriptor code

-

---

|                 |   |
|-----------------|---|
| <b>IEW4001I</b> | <b>FETCH FOR MODULE <i>program-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE DIV FAILED TO ACQUIRE STORAGE.</b> |
|-----------------|---|

---

### Explanation

There was insufficient storage available to load the program object.

### System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

### User response

Rerun the job with a larger region size specified.

### Source

Loader

## Module

IEWLSFTO

## Routing code

11

## Descriptor code

-

---

|                 |  |
|-----------------|--|
| <b>IEW4002I</b> | <b>FETCH FOR MODULE <i>program-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE OF I/O ERROR. DIV RETURN CODE <i>return-code</i>.</b> |
|-----------------|--|

## Explanation

The DIV component failed to read in the program object.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

DIV return codes are documented in [z/OS MVS System Codes](#). See the 08B abend code.

## Source

Loader

## Module

IEWLSFTO

## Routing code

11

## Descriptor code

-

---

|                 |   |
|-----------------|---|
| <b>IEW4003I</b> | <b>FETCH FOR PROGRAM OBJECT FAILED BECAUSE OVERLAY FORMAT IS<br/>NOT SUPPORTED IN AN z/OS UNIX FILE</b> |
|-----------------|---|

## Explanation

An attempt has been made to load an overlay program object from a z/OS UNIX file but overlay format modules are not supported in z/OS UNIX System Services.

## System action

The z/OS UNIX System Services load process will fail.

## User response

Rebuild the program object to remove overlay.



## Source

Loader

## Module

IEWLSFTO

## Routing code

11

## Descriptor code

-

---

|                 |   |
|-----------------|---|
| <b>IEW4004I</b> | <b>FETCH FOR MODULE <i>program-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE INSUFFICIENT LSQA STORAGE WAS AVAILABLE.</b> |
|-----------------|---|

## Explanation

There was insufficient LSQA storage available to load the load module or program object.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## System programmer response

If error recurs, and the application program is not in error, make more storage available to Local System Queue Area (LSQA).

## User response

Rerun the job.

## Source

Loader

## Module

IEWLSFTO

## Routing code

11

## Descriptor code

-

---

|                 |   |
|-----------------|---|
| <b>IEW4005I</b> | <b>FETCH FOR MODULE <i>program-name</i> FROM DDNAME <i>ddname</i> FAILED<br/>BECAUSE IEWFETCH ISSUED RC <i>return-code</i> AND REASON <i>reason code</i>.</b> |
|-----------------|---|

## Explanation

Fetch for the load module failed. The possible hexadecimal return codes and hexadecimal reason codes are as follows:

| Return Code | Error Description  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
|-------------|--|-------------|-------------------|----|-----------------------------|----|--------------------------------|----|--------------------------|----|------------------------|----|-----------------------|
| 00          | Processing completed normally.   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0B          | Program check.   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0C          | Not enough storage available.<br><br><table> <tr> <th>Reason Code</th><th>Error Description</th></tr> <tr> <td>04</td><td>No storage for DATD</td></tr> <tr> <td>08</td><td>No storage for DEB</td></tr> <tr> <td>0C</td><td>No storage for IOSB</td></tr> <tr> <td>10</td><td>No storage for EXTLIST</td></tr> <tr> <td>14</td><td>No storage for module</td></tr> </table> | Reason Code | Error Description | 04 | No storage for DATD         | 08 | No storage for DEB             | 0C | No storage for IOSB      | 10 | No storage for EXTLIST | 14 | No storage for module |
| Reason Code | Error Description  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 04          | No storage for DATD  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 08          | No storage for DEB   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0C          | No storage for IOSB  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 10          | No storage for EXTLIST   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 14          | No storage for module  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0D          | Bad record area.   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0E          | Invalid address.<br><br><table> <tr> <th>Reason Code</th><th>Error Description</th></tr> <tr> <td>20</td><td>Error converting TTR</td></tr> <tr> <td>24</td><td>Block outside of module</td></tr> <tr> <td>28</td><td>ADCON location invalid</td></tr> </table>  | Reason Code | Error Description | 20 | Error converting TTR        | 24 | Block outside of module        | 28 | ADCON location invalid   |    |                        |    |                       |
| Reason Code | Error Description  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 20          | Error converting TTR   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 24          | Block outside of module  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 28          | ADCON location invalid   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 0F          | Permanent I/O error.<br><br><table> <tr> <th>Reason Code</th><th>Error Description</th></tr> <tr> <td>40</td><td>I/O error on a real dataset</td></tr> <tr> <td>44</td><td>I/O error on a virtual dataset</td></tr> <tr> <td>48</td><td>Seek ADDR outside extent</td></tr> </table>  | Reason Code | Error Description | 40 | I/O error on a real dataset | 44 | I/O error on a virtual dataset | 48 | Seek ADDR outside extent |    |                        |    |                       |
| Reason Code | Error Description  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 40          | I/O error on a real dataset  |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 44          | I/O error on a virtual dataset   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |
| 48          | Seek ADDR outside extent   |             |                   |    |                             |    |                                |    |                          |    |                        |    |                       |

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

If the reason code indicates lack of module storage (reason 14), rerun the JOB with a larger region size. If the reason code indicates a TTR conversion error or seek address outside of extent, it is possible that the dataset was opened with DISP=SHR by a concurrent task and was updated to cause the number of extents to be increased. In that case the error will persist until the DCB is closed and reopened to cause the DEB to reflect the new extents.

If the error occurred while fetching a module from the linklist, using the commands available via dynamic linklist services to define and activate a new linklist may create a DCB and DEB for the new LNKLIST that encompasses the new extents. A TTR conversion error can also occur if a LINK/LOAD/ATTACH/XCTL macro is coded with the DE and DCB parameters if the directory entry was obtained from a different DCB than the one passed in or if the directory entry is modified by the application program. Otherwise either an I/O error has occurred or the data set has been corrupted or built incorrectly.

## Source

Loader

## Module

IEWLRFMT

## Routing code

11

## Descriptor code

-

---

**IEW4006I**

**FETCH FOR OPENEDITION MODULE FAILED BECAUSE MODULE HAS BEEN TRUNCATED.**

## Explanation

Load of a z/OS UNIX System Services program object failed because the module is not complete. This might happen if a system failure occurred while the binder was writing the module or if a user or a program has caused part of the module to be erased.

## System action

An abend E06-40 will occur when an attempt is made to execute the module.

## User response

Use the binder or z/OS UNIX System Services C89 command to rebuild the defective module.

## Source

Loader

## Module

IEWLSFTO

## Routing code

11

## Descriptor code

-

---

**IEW4007I**

**FIND FOR MODULE *program-name* FAILED BECAUSE DIRECTORY ENTRY IS NOT VALID FOR A LOAD MODULE.**

## Explanation

An invalid or incorrect PDS directory entry was detected during processing of the Loader's FIND function when loading a load module.

## System action

Search continues in any remaining libraries in the normal search order for an acceptable copy of the module. If one is not found, an abend 806-04 will occur.

## User response

Rerun the job after ensuring any copies of the failing module are correctly built and placed in an appropriate library that will be found before the failing module.

## Source

Loader

## Module

IEWLFINX

## Routing code

11

## Descriptor code

-

---

|                 |  |
|-----------------|--|
| <b>IEW4008I</b> | <b>FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i> BECAUSE OF AN ERROR IN CONVERTING A TTR.</b> |
|-----------------|--|

## Explanation

An error occurred in converting relative track address (TTR) to cylinder, head and record address (MBCCHHR).

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

It is possible that the dataset was opened with DISP=SHR by a concurrent task and was updated to cause the number of extents to be increased. In that case the error will persist until the DCB is closed and reopened to cause the DEB to reflect the new extents.

To resolve the error, you need to create and activate a LNKST set that is the same as the LNKST set that was being used when the error occurred. You can determine which LNKST set a job was using with the DISPLAY PROG, LNKST, JOB=jjjjjjj command. You can create a LNKST set using SETPROG LNKST, DEFINE, NAME=nnn, COPYFROM=mmm, where *mmm* is the name of the LNKST set shown in the DISPLAY. Then, you can activate the LNKST set using SETPROG LNKST, ACTIVATE, NAME=nnn.

**Note:** This approach only helps if the address space or job begins after doing the activate. If the address space or job has begun prior to the activate, you can consider using the UPDATE function of the SETPROG LNKST command. You should read about this function and its caveats prior to using it.

A TTR conversion error can also occur if a LINK/LOAD/ATTACH/XCTL macro is coded with the DE and DCB parameters if the directory entry was obtained from a different DCB than the one passed in or if the directory entry is modified by the application program.

## Source

IEWLDR00

## Module

IEWFETCH

## Routing code

11

## Descriptor code

-

---

|                 |  |
|-----------------|--|
| <b>IEW4009I</b> | <b>FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i> BECAUSE OF AN I/O ERROR.</b> |
|-----------------|--|

## Explanation

An I/O error occurred in attempting to load the specified load module.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

Check SYS1.LOGREC to see if a permanent I/O error has occurred. It may be necessary to rebuild the data set on a different volume if repeated attempts to read the data set fail. This error can also occur if the data set has been corrupted or built incorrectly.

## Source

IEWLDR00

## Module

IEWFETCH

## Routing code

11

## Descriptor code

-

---

|          |   |
|----------|---|
| IEW4010I | FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i><br>BECAUSE THE DCB WAS NOT OPEN. |
|----------|---|

## Explanation

An unopened DCB was passed via a LOAD, LINK, XCTL or ATTACH.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

Correct the program issuing the LOAD, LINK, XCTL or ATTACH to pass an open DCB.

## Source

IEWLDR00

## Module

IEWLFIX

## Routing code

11

## Descriptor code

-

---

|          |  |
|----------|--|
| IEW4011I | FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i><br>BECAUSE THE DEB WAS INVALID. |
|----------|--|

## Explanation

The DEB associated with the DCB failed the validity check by the DEBCHK macro.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

Correct the program issuing the LOAD, LINK, XCTL or ATTACH to pass a valid DCB.

## Source

IEWLDR00

## Module

IEWLFINX

## Routing code

11

## Descriptor code

-

---

|          |   |
|----------|---|
| IEW4012I | FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i><br>BECAUSE THE MODULE CONTAINED INVALID LOADER DATA. REASON<br>CODE <i>reason-code</i> . |
|----------|---|

## Explanation

Load of the specified program object failed because of invalid or inconsistent control information found in the program object or its directory entry.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

Rebuild the program object using the binder.

## Source

Loader

## Module

IEWLSFTO, IEWLTRLC

## Routing code

11

## Descriptor code

-

---

|                 |   |
|-----------------|---|
| <b>IEW4013I</b> | <b>FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i> BECAUSE <i>system_level</i> OR HIGHER is REQUIRED TO FETCH THIS PROGRAM OBJECT.</b> |
|-----------------|---|

## Explanation

An attempt was made to load a program object on a *system\_level* of DFSMS which does not support that program object. If the message indicates that DFSMS 1.4 is required, then an attempt was made to load a PM3-level program object on a DFSMS 1.2 or DFSMS 1.3 system. PM3-level program objects are created by the DFSMS 1.4 (or higher) binder and cannot be loaded by down-level DFSMS systems. If the message indicates that DFSMS 1.3 is required, then an attempt was made to load a PM2-level program object on a DFSMS 1.1 or DFSMS 1.2 system. PM2-level program objects are created by the DFSMS 1.3 (or higher) binder and cannot be loaded by DFSMS 1.1 or DFSMS 1.2.

## System action

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

## User response

On a DFSMS 1.3 or DFSMS 1.4 system, in order to create a program object that can be loaded by DFSMS 1.1, DFSMS 1.2, or DFSMS 1.3, the user must specify or default to the binder option COMPAT(PM1). To create a program object that can be loaded by DFSMS 1.3, the user can specify or default to the binder option COMPAT(PM2).

## Source

IEWLDR00

## Module

IEWLFINX

## Routing code

11

## Descriptor code

-

---

|                 |  |
|-----------------|--|
| <b>IEW4014I</b> | <b>FETCH FAILED FOR MODULE <i>member_name</i> FROM DDNAME <i>ddname</i> BECAUSE THE MODULE HAD INVALID LOADER DATA. REASON <i>reason-code</i>.</b> |
|-----------------|--|

## Explanation

Load of the specified program object failed because of invalid or inconsistent control information found in the program object or its directory entry.

**System action**

An abend will occur unless the program was loaded by a LOAD macro with the ERRET option specified.

**User response**

Rebuild the program object using the binder.

**Source**

Loader

**Module**

IEWLSFTO, IEWLTRLC

**Routing code**

11

**Descriptor code**

-



---

## Chapter 15. IEW messages (IEW5000 - IEW5057)

---

**IEW5001**

**When using the output file option (-o), specify a filename.**

### Explanation

The -o option requires an option-argument that is the name of an output file to be created by ld. This filename can be a pathname or a data set and member name that begins with two slashes.

### User response

Reenter the ld command and specify an output filename to be used with the -o option. For example:

```
ld -o myprog myprog.o
```

```
ld -o "//myload(myprog)" myprog.o
```

```
ld -c -o /tmp/myprog.o myprog.o
```

### Source

Binder

### Module

IEWULMAI

---

**IEW5002**

**When using the library directory option (-L), specify a directory pathname.**

### Explanation

The -L option requires an option-argument that is the pathname of a directory to be used when ld searches for archive libraries. ld uses that name when searching for library names specified with the -l operand.

### System action:

### User response

Reenter the ld command and include a library directory pathname after the -L option. For example:

```
ld -L mylib myprog.o -l mine
```

### Source

Binder

### Module

IEWULMAI

---

**IEW5003**

**%s is not a valid option.**

## Explanation

The indicated option is not a valid `ld` option. To see the valid `ld` options, enter the `ld` command without any arguments, or look up the command description in [z/OS UNIX System Services Command Reference](#).

## User response

Reenter the `ld` command and specify a valid option.

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5005</b> | <b>When using the library operand (-l), specify a library name.</b> |
|----------------|---|

---

## Explanation

The `-l` operand requires an option-argument that is the name of a library. `ld` uses that name when it searches for the corresponding archive file to be used during link-editing.

## User response

Reenter the `ld` command and specify a library name to be used with the `-l` operand. For example:

```
ld myprog.o -l mine
```

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5006</b> | <b>Specify at least one archive, or object operand to be processed.</b> |
|----------------|---|

---

## Explanation

The `ld` command requires that you specify at least one operand of the object file form. Otherwise, `ld` has nothing that it can process. A library operand of the `-l` form alone is not enough input for `ld`.

## User response

Reenter the `ld` command and specify at least one operand of the object file form. For example:

```
ld "//MYPROJ.OBJ(MYPROG)"
```

## Source

Binder

## Module

IEWULMAI

## Explanation

When using the -L option, you can specify only a pathname as a library directory. You cannot specify a data set, because other data sets are not found in directories. If you are trying to specify a C/370 object library to be used as a library by ld, specify that data set name as an argument on the -l operand. This is analogous to specifying an archive file pathname (for which ld also does not perform a library directory search).

## User response

Reenter the ld command and specify a library directory pathname after the -L option. For example:

```
ld -L mylib myprog.o -l mine
```

Or, specify a data set after the -l operand. For example:

```
ld myprog.o -l "//MYLIB.LIB"
```

## Source

Binder

## Module

IEWULMAI

## Explanation

ld tried to allocate the indicated data set name dynamically in order to associate it with the indicated data definition. But the dynamic allocation failed because the indicated data set name was incorrect. Some common errors are:

- More than 8 characters were specified for any qualifier of the data set name.
- More than 44 characters were specified for the data set name.
- An incorrect character was specified as part of the data set name.
- A data set name qualifier began with a number.

Unless you enclose the data set name with single quotation marks, a TSO/E user ID prefix is added to the data set name.

## User response

Reenter the ld command and specify a valid data set name. For example:

```
ld "//MYPROJ.OBJ(MYPROG1)"
```

## Source

Binder

## Module

IEWULMAI

## Explanation

ld processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a ld internal parsing error.

## System programmer response

Reenter the ld command with the -v option, and redirect **stdout** to a file. Keep this pseudo-JCL file and the ld command specified for problem determination.

## User response

Reenter the ld command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5013</b> | <b>The data definition name %s cannot be resolved. It does not begin with // ddname DD at %s.</b> |
|----------------|---|

## Explanation

ld processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a ld internal parsing error.

## System programmer response

Reenter the ld command with the -v option and redirect **stdout** to a file. Keep this pseudo-JCL file and the ld command specified for problem determination.

## User response

Reenter the ld command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5014</b> | <b>The data definition name %s cannot be resolved.</b> |
|----------------|--|

## Explanation

The ld command tried to allocate the indicated data set name dynamically and to associate it with the indicated data definition name. The dynamic allocation failed, probably because the indicated data set member name did not have the correct syntax. Some common syntax errors are:

- More than 8 characters were specified for the member name.
- An incorrect character was specified as part of the member name.

- The member name began with a number.

Unless you enclosed the data set name with single quotation marks, a TSO/E user ID prefix is added to the data set name.

## User response

Reenter the `ld` command line and specify a valid data set member name. For example:

```
ld "//myproj.c(myprog1)"
```

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5015</b> | <b>The data definition name %s cannot be resolved. Specify balanced parentheses for the data definition at %s.</b> |
|----------------|--|

## Explanation

`ld` processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a `ld` internal parsing error.

## User response

Environment variables provide necessary system and operational information to `ld`. Most likely, the values of one or more of these variables was incorrect. Use the `env` command to determine which `ld` environment variables are incorrectly set. ([z/OS UNIX System Services Command Reference](#) describes environment variables in the section on the `ld` command.)

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5016</b> | <b>The data definition name %s cannot be resolved. Specify a numeric %s subparameter for %s instead of %s.</b> |
|----------------|--|

## Explanation

`ld` processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a `ld` internal parsing error. One of the following subparameters had an incorrect value:

- For the DCB parameter, the keyword subparameters are one of the following:
  - LRECL
  - BLKSIZE
- For the SPACE parameter, the positional subparameters are one of the following:
  - BLKLGTH
  - PRIMARY-QTY
  - SECONDARY-QTY

- DIRECTORY

## User response

Environment variables provide necessary system and operational information to ld. Most likely, the values of one or more of these variables was incorrect. Use the env command to determine which ld environment variables are incorrectly set. (*z/OS UNIX System Services Command Reference* describes environment variables in the section on the ld command.)

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5017</b> | <b>The data definition name %s cannot be resolved. Specify a valid %s subparameter for %s instead of %s.</b> |
|----------------|--|

## Explanation

ld processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a ld internal parsing error. One of the following subparameters had an incorrect value:

- For the DISP parameter, the positional subparameters are one of the following:
  - STATUS
  - NORMAL
  - ABNORMAL

## User response

Environment variables provide necessary system and operational information to ld. Most likely, the values of one or more of these variables was incorrect. Use the env command to determine which ld environment variables are incorrectly set. (*z/OS UNIX System Services Command Reference* describes environment variables in the section on the ld command.)

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5018</b> | <b>The data definition name %s cannot be resolved. Specify a valid %s subparameter instead of %s.</b> |
|----------------|---|

## Explanation

ld processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a ld internal parsing error. One of the following parameters had an incorrect subparameter:

- DCB

## User response

Environment variables provide necessary system and operational information to ld. Most likely, the values of one or more of these variables was incorrect. Use the env command to determine which ld environment

variables are incorrectly set. ([z/OS UNIX System Services Command Reference](#) describes environment variables in the section on the `ld` command.)

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5019</b> | <b>The data definition name %s cannot be resolved. Specify a valid parameter instead of %s.</b> |
|----------------|---|

## Explanation

`ld` processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a `ld` internal parsing error.

## User response

The `ld` command is configured by the use of environment variables. Most likely, the value of one or more of these environment variables is incorrect. Use the `env` command to determine which `ld` environment variables are incorrectly set. ([z/OS UNIX System Services Command Reference](#) describes environment variables in the section on the `ld` command.)

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5020</b> | <b>The data definition name %s cannot be resolved. Specify a valid %s parameter instead of %s.</b> |
|----------------|--|

## Explanation

`ld` processed a pseudo-JCL dynamic allocation instruction with incorrect syntax. This is a `ld` internal parsing error. One of the following parameters had an incorrect value:

- DSNTYPE
- PATHOPTS
- PATHMODE

## User response

The `ld` command is configured by the use of environment variables. Most likely, the value of one or more of these environment variables is incorrect. Use the `env` command to determine which `ld` environment variables are incorrectly set. ([z/OS UNIX System Services Command Reference](#) describes environment variables in the section on the `ld` command.)

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5021</b> | <b>The data definition name %s cannot be resolved. Specify a valid file instead of %s.</b> |
|----------------|--|

---

### Explanation

The `ld` command tried to allocate for the indicated file pathname dynamically and to associate it with the indicated data definition name. The dynamic allocation failed because the `/dev/fdN` pathname associated with the file did not have the correct syntax. Normally this cannot be the case because `ld` validates the character special files `/dev/fdN` for all pathname dynamic allocations before the actual dynamic allocation.

### System programmer response

Reenter the `ld` command with the `-v` option and redirect **stdout** to a file. Keep this pseudo-JCL file and the `ld` command specified for problem determination.

You can determine the actual `/dev/fdN` character special file pathname as follows:

- In the pseudo-JCL, find the statements for the failing step.
- Beginning with  $N=3$ , count all the pathname allocations in the order listed. (Ignore the allocations already in the `/dev/fdN` format, such as 1 and 2.)

### User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

### Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5022</b> | <b>The data definition name %s cannot be resolved. The data set was not found. Ensure that data set name %s is specified correctly.</b> |
|----------------|---|

---

### Explanation

The `ld` command tried to dynamically allocate the data set name indicated and to associate it with the indicated data definition name. The dynamic allocation failed, because the data set indicated could not be found. This is probably because the data set does not exist, or is not correctly cataloged (`ld` can only work with cataloged data sets). Note that for data set names specified on the `ld` command line, unless the data set name is enclosed in single quotation marks, a TSO/E user ID prefix is added to the data set name.

### User response

Reenter the `ld` command line and specify an existing data set name. For example:

```
ld '//myuser.myprog.c'
```

### Source

Binder



## Module

IEWULMAI

---

**IEW5023**

**The data definition name %s cannot be resolved. The data set was not found. The data set was not found. Ensure that data set and member name %s(%s) are specified correctly.**

## Explanation

The `ld` command tried to dynamically allocate the indicated data set and member name and to associate it with the indicated data definition name. But the allocation failed, because the indicated data set and member could not be found. This is probably because the data set does not exist, or is not correctly cataloged (`ld` can only work with cataloged data sets). Unless you enclose the data set name with single quotation marks, a TSO/E user ID prefix is added to the data set name.

## User response

Reenter the `ld` command and specify an existing data set. For example:

```
ld "'/myuser.myproj.c(myprog1)'"
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5024**

**The data definition name %s cannot be resolved. The file was not found. Ensure that file %s is specified correctly.**

## Explanation

The `ld` command tried to dynamically allocate for the indicated file pathname and to associate it with the indicated data definition name. But the dynamic allocation failed because the `/dev/fdN` pathname associated with the indicated file could not be found. Normally this situation does not happen because `ld` validates the character special files `/dev/fdN` for all pathname dynamic allocations before doing the dynamic allocation.

## System programmer response

Reenter the `ld` command with the `-v` option, redirecting **stdout** to a file. Keep this pseudo-JCL file and the `ld` command specified for problem determination.

You can determine the actual `/dev/fdN` character special file pathname as follows:

- In the pseudo-JCL, find the statements for the failing step.
- Beginning with `N=3`, count all the pathname allocations in the order listed.
- Ignore the allocations already in the `/dev/fdN` format (such as `1` and `2`).

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

**IEW5025**

**The data definition name %s cannot be resolved. Specify a member name for partitioned data set %s.**

## Explanation

The `ld` command allocated the indicated data set, for which no data set member was specified, and discovered that it is a partitioned data set. Since `ld` knows that this is a reference to a specific part, as opposed to a library, you must specify a data set member name.

For compiler objects, since the name is derived from the source data set name, the source and object data sets must have the same organization (partitioned or sequential).

## User response

Reenter the `ld` command line and specify the data set name with a member name. For example:

```
ld "//myproj.c(myprog1)"
```

If the source data set and object data set types are not the same, you need to delete (and optionally preallocate) the object data sets so the organizations are the same before reentering the `ld` command.

## Source

Binder

## Module

IEWULMAI

---

**IEW5026**

**The data definition name %s cannot be resolved. File %s could not be opened: %s**

## Explanation

`ld` tried to open the indicated file pathname and to associate it with the indicated data definition name. However, the file pathname could not be opened. This is usually because the file does not exist, or you do not have permission to use the file.

The error message from the open function is at the end of the `ld` message.

## User response

Reenter the `ld` command and specify an existing filename to which you have permission. For example:

```
ld myprog.o
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5027**

**The data definition name %s cannot be resolved. An allocation error occurred for %s with return code %s, error code %s hex, and information code %s hex.**

## Explanation

A pseudo-JCL dynamic allocation instruction that was processed by `ld` failed. `ld` did not recognize the return code, error code, and information code resulting from the dynamic allocation function.

## System programmer response

Reenter the `ld` command with the `-v` option, and redirect **stdout** and **stderr** to a file. Keep this pseudo-JCL, error file, and the `ld` command specified for problem determination.

You can find the meaning of most dynamic allocation return codes in the topic on requesting dynamic allocation functions in [z/OS MVS Programming: Authorized Assembler Services Guide](#).

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5028</b> | <b>The data definition name %s cannot be resolved. Specify only a data set name for sequential data set %s instead of member %s.</b> |
|----------------|--|

## Explanation

The `ld` command allocated the indicated data set, for which the indicated data set member was specified, and discovered that it is a sequential data set. Sequential data sets do not have members.

For compiler objects, since the name is derived from the source data set name, the source and object data sets must have the same organization (partitioned or sequential).

## User response

Reenter the `ld` command line and specify the data set name without a member name. For example:

```
ld "//myprog.o"
```

If the source data set and object data set organizations are not the same, you need to delete (and optionally preallocate) the object data set so the organizations are the same before reissuing the `ld` command.

## Source

Binder

## Module

IEWULMAI

---

|                |   |
|----------------|---|
| <b>IEW5029</b> | <b>The data definition name %s cannot be resolved. Specify only a data set name for partitioned data set %s instead of member %s.</b> |
|----------------|---|

## Explanation

The `ld` command allocated the indicated data set, for which the indicated data set member was specified. `ld` knows that this should be a reference to a C370LIB object library data set. C370LIB object libraries are specified by giving the data set name only, without referring to any of the data set members. The data set members are automatically included by the prelinker, as required, during symbol resolution.

## User response

Reenter the `ld` command line and specify the C370LIB object library data set name without a member name. For example:

```
ld "//myproj.c(myprog)" -l"//mylib"
```

## Source

Binder

## Module

IEWULMAI

---

|                |                              |
|----------------|------------------------------|
| <b>IEW5030</b> | <b>Could not open %s: %s</b> |
|----------------|------------------------------|

## Explanation

The `ld` command tried to open the indicated temporary system input stream, but the associated data set could not be opened.

The error message from the open function is at the end of the `ld` message.

## System programmer response

Try to correct the problem based on the error message. If that does not work, reenter the `ld` command with the `-v` option and redirect **stdout** and **stderr** to a file. Keep this pseudo-JCL and error file and the `ld` command specified for problem determination.

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5031</b> | <b>Could not write record %s to %s (%s bytes were written): %s</b> |
|----------------|--|

## Explanation

The `ld` command tried to write to the indicated temporary system input stream data set that it opened, but the write failed. (That data set is needed for the prelink and link-edit steps.)

The error message from the write function is at the end of the `ld` message.

## System programmer response

Try to correct the problem based on the error message. If you do not succeed, reenter the `ld` command with the `-v` option, and redirect **stdout** and **stderr** to a file. Keep this pseudo-JCL and error file and the `ld` command specified for problem determination.

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |                                      |
|----------------|--------------------------------------|
| <b>IEW5032</b> | <b>Specify fewer binder options.</b> |
|----------------|--------------------------------------|

## Explanation

The option list to be passed to the binder is too long. When a program is invoked dynamically under MVS (such as when `ld` calls the binder), the length of the parameter string is architecturally limited. If you specify fewer arguments with the `-b ld` option, a shorter parameter string is passed.

## User response

Shorten the length of the arguments for the binder. Normally, you can accomplish this by removing one or more `-b` arguments. Alternatively, you may be able to use short forms for the binder options.

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5033</b> | <b>The binder ended with return code %s.</b> |
|----------------|--|

## Explanation

This does not necessarily mean that you need to take action. Normally, another error message precedes this message. If a positive return code less than or equal to the value of the environment variable **{\_ACCEPTABLE\_RC}** (or its default value) is returned, the final result of the `ld` command is not affected.

## User response

If necessary, correct the error indicated by the preceding message or messages, and reenter the `ld` command.

If a preceding message indicates that there is a problem with a `DD:ddname` (such as `DD:SYSLIN`), and it is unclear to which data set or pathname this refers, then reenter the failing `ld` command with the `-v` option to produce pseudo-JCL. To find out which data set or pathname `ld` is allocating to that `ddname`, look at the pseudo-JCL of the failing step for a line beginning with the words `//ddname DD`. The beginning of each step is identified by the words `//step EXEC`.

## Source

Binder

## Module

IEWULMAI

---

**IEW5034**

**The archive library %s cannot be found.**

## Explanation

Ld tried to find the indicated archive library, first by using the directories specified on all -L options, and then by looking in the directories specified by the \_LD\_LIBDIRS environment variable or its default (/lib and then /usr/lib). The filename used for the search is the archive library name prefixed with lib and suffixed with a. But the archive library either does not exist, or you do not have permission to read it. Normally, this error occurs when the library name is incorrectly specified.

## User response

Reenter the ld command and specify an existing library name to which you have permission. For example:

```
ld myprog.o -l m
```

or specify a library directory on the -L option that contains the indicated archive library. For example:

```
ld -L mylib myprog.o -l mine
```

## Source

Binder

## Module:

---

**IEW5035**

**The data definition name %s cannot be resolved. Specify the name of a partitioned data set instead of sequential data set %s.**

## Explanation

The ld command allocated the indicated data set and discovered that it has sequential data set organization. ld knows that this should be a reference to a specified data set that has partitioned organization.

Certain data sets, such as C370LIB object libraries (specified on the -l operand) and executable (load) libraries (specified on the -o option), must always have partitioned organization.

## User response

Reenter the ld command line and specify a partitioned data set for the library data set name. For example:

```
ld //MYPROJ.OBJ(MYPROG) -l//MYLIB.LIB
```

or

```
ld -o //MYLOAD(MYPROG) //MYPROJ.OBJ(MYPROG)
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5036**

**The data definition name %s cannot be resolved. Specify the name of a sequential data set instead of partitioned data set %s.**

## Explanation

The `ld` command allocated the indicated data set and discovered that it has partitioned data set organization. `ld` was told that this is a reference to a specified data set that has partitioned organization instead of sequential organization, because of the `DSORG` subparameter specified on the `DCB` parameter of the environment variable associated with this data set.

## User response

The `ld` command is configured by the use of environment variables. Most likely, the value of one or more of these environment variables is incorrect. Use the `env` command to determine which `ld` environment variables are incorrectly set. (*z/OS UNIX System Services Command Reference* describes environment variables in the section on the `ld` command.)

## Source

Binder

## Module

IEWULMAI

---

**IEW5037**

**The data definition name %s cannot be resolved. Information for character special file %s, needed to allocate file %s, cannot be obtained: %s Follow local procedures for reporting problems.**

## Explanation

The `ld` command uses the `/dev/fdN` character special files for all pathname allocations. `ld` tried to validate the indicated character special file by using the `stat` function, but that function failed. `ld` cannot use the indicated file without the indicated character special file.

## System programmer response

Ensure that the `/dev/fdN` character special files were correctly created with the `mknod` command, and that there are enough of them. For more information about creating the `/dev/fdN` character special files required for `ld`, refer to *z/OS UNIX System Services Planning*.

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

**IEW5038**

**The data definition name %s cannot be resolved. File %s, needed to allocate file %s, is not character special. Follow local procedures for reporting problems.**

### **Explanation**

The `ld` command uses the `/dev/fdN` character special files for all pathname allocations. `ld` validated the indicated character special file, using the `stat` function, and determined that the indicated file is not a character special file. `ld` cannot use the indicated file without the indicated character special file.

### **System programmer response**

Ensure that the `/dev/fdN` character special files were correctly created with the `mknod` command, and that there are enough of them. For more information about creating the `/dev/fdN` character special files required for `ld`, refer to [z/OS UNIX System Services Planning](#).

### **User response**

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

### **Source**

Binder

### **Module**

IEWULMAI

---

**IEW5039**

**The data definition name %s cannot be resolved. Character-special file %s, needed to allocate file %s, is not major 5. Follow local procedures for reporting problems.**

### **Explanation**

The `ld` command uses the `/dev/fdN` character special files for all pathname allocations. `ld` validated the indicated character special file, using the `stat` function, and determined that the indicated character special file does not have the correct major number. `ld` cannot use the indicated file without the indicated character special file.

### **System programmer response**

Ensure that the `/dev/fdN` character special files were correctly created with the `mknod` command, and that there are enough of them. For more information about creating the `/dev/fdN` character special files required for `ld`, refer to [z/OS UNIX System Services Planning](#).

### **User response**

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

### **Source**

Binder

### **Module**

IEWULMAI



---

**IEW5040**

**The data definition name %s cannot be resolved. Character-special file %s, needed to allocate file %s, is not minor %s. Follow local procedures for reporting problems.**

### **Explanation**

The `ld` command uses the `/dev/fdN` character special files for all pathname allocations. `ld` validated the indicated character special file, using the `stat` function, and determined that the indicated character special file does not have the correct minor number. `ld` cannot use the indicated file without the indicated character special file.

### **System programmer response**

Ensure that the `/dev/fdN` character special files were correctly created with the `mknod` command, and that there are enough of them. For more information about creating the `/dev/fdN` character special files required for `ld`, refer to *z/OS UNIX System Services Planning*.

### **User response**

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

### **Source**

Binder

### **Module**

IEWULMAI

---

**IEW5043**

**Usage: `ld -cvV -b option,... -e function -f filename ... -l library ... -L directory ... -o outfile -O name,name ... -S datasetname:... -u function ... -x filename file.o ... file.a ... file.x ...`**

### **Explanation**

This message shows the correct format of the `ld` command. It is displayed only when you enter `ld` without any arguments.

### **Source**

Binder

### **Module**

IEWULMAI

---

**IEW5048**

**When using the entry option (-e), specify an entry point symbol.**

### **Explanation**

The `-e` option requires an option-argument that is the name of the entry point symbol, to which control will be given when the output file program is executed. This symbol can be an L-name symbol, or an S-name symbol that begins with two slashes.

## User response

Reenter the `ld` command and specify an entry point symbol to be used with the `-e` option. For example:

```
ld -e mystart myprog.o
```

```
ld -e //MYSTART myprog.o
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5049** When using the unresolved option (`-u`), specify a symbol to load.

## Explanation

The `-u` option requires an option-argument that is the name of a symbol which is to be added to the table of unresolved symbols. This symbol can be an L-name symbol, or an S-name symbol that begins with two slashes.

## User response

Reenter the `ld` command and specify a symbol to load with the `-u` option. For example:

```
ld -u mymain file.a
```

```
ld -u //MYMAIN file.a
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5050** Fork failed: %s

## Explanation

`ld` attempted to fork, and the fork failed.

The error message from the fork function is at the end of the `ld` message.

## System programmer response

Try to correct the problem based on the specific error message. If you do not succeed, reenter the `ld` command with the `-v` option and redirect **stdout** and **stderr** to a file. Keep this pseudo-JCL and error file and the `ld` command specified for problem determination.

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI

---

|                |                                 |
|----------------|---------------------------------|
| <b>IEW5051</b> | <b>Terminated by signal %s.</b> |
|----------------|---------------------------------|

## Explanation

ld was terminated due to a signal.

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5052</b> | <b>Specify a series of binder options, separated by commas, for the -b option.</b> |
|----------------|--|

## Explanation

The -b option requires a series of binder option that will be passed to the binder. For information about binder options and their use, see [z/OS MVS Program Management: User's Guide and Reference](#).

## User response

Reenter the ld command and specify a list of binder options with the -b option. For example:

```
ld myprog.o -b XREF,PRINT
```

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5053</b> | <b>When using the file option (-f), specify a file containing a file of input files.</b> |
|----------------|--|

## Explanation

The -f option requires the name of a file that contains a list of file names that will be input to the ld command.

## User response

Reenter the ld command specifying a file name with the -f option. For example:

```
ld -f myfile.list
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5054**

**When using the order option (-O), specify a section name to be ordered to the start of the executable.**

## Explanation

The -O option requires the name of a section that is to be ordered to the front of the output file.

## User response

Reenter the ld command specifying a section name with the -O option. For example:

```
ld myprog.o -O mysect
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5055**

**When using the SYSLIB option (-S), specify a data set name to be used in resolving external references.**

## Explanation

The -S option requires the name of a data set that will be used in resolving external references during the bind.

## User response

Reenter the ld command specifying a data set name with the -S option. For example:

```
ld myprog.o -S"// 'MYPROJ.LINKLIB' "
```

## Source

Binder

## Module

IEWULMAI

---

**IEW5056**

**When using the side-deck option (-x), specify a file where exported dll symbols will be written.**

## Explanation

The -x option requires the name of a file that the binder will use for writing out exported symbols when it processes a dynamic link library (DLL).

## User response

Reenter the `ld` command specifying a file name with the `-x` option. For example:

```
ld mydll.o -o mydll -b DLL -x myproj.x
```

## Source

Binder

## Module

IEWULMAI

---

|                |  |
|----------------|--|
| <b>IEW5057</b> | <b>Unable to load binder program %s.</b> |
|----------------|--|

## Explanation

`ld` was unable to load the binder program into storage. The name of the program is given at the end of the message.

## User response

Reenter the `ld` command. If the problem persists, contact the IBM service representative responsible for your installation.

## Source

Binder

## Module

IEWULMAI



---

## Chapter 16. IEW messages

---

**IEW2950I**

**SIGNING RECORDS HAVE BEEN DISCARDED.**

### Explanation

The input load module is a signed load module. It will become unsigned after the binder processing.

### System action

Processing continues.

### User response:

None.

### Source

Binder

### Module

IEWBXCRW

---

**IEW6001S**

**The length of the parameter string is *dddd*. It cannot be more than 1024.**

### Explanation

The length of the parameter string must be less than or equal to 1024. For JCL the parameter string is what is specified via PARM= or the PARMDD DD. For call and LINK, the parameter string is what is specified via the PARAM keyword.

### User response

Correct the parameter string.

### Source

Signing utility

---

**IEW6002S**

**Invalid parameter: 'xxxxxxxx'.**

### Explanation

The parameter string is split into multiple parts by a delimiter comma. Each part must be in the form of keyString=valueString. This message is issued for a part if:

- “=” is not found, or
- keyString is unrecognized, or
- valueString is unrecognized

### User response

Correct the parameters.

## Source

Signing utility

---

**IEW6003S** Parameter ACTION not specified.

## Explanation

Parameter ACTION must be specified.

## User response

Add the parameter ACTION.

## Source

Signing utility

---

**IEW6004S** Cannot open DD *ddName*.

## Explanation

*ddName* (such as INFILE, OUTFILE) is not defined, or the user does not have access to read or write.

## User response

Provide a definition for *ddName*.

## Source

Signing utility

---

**IEW6005S** Cannot close DD *ddName*.

## Explanation:

The DFSMS service CLOSE cannot close the DCB opened for this *ddName*.

## User response

Attempt again.

## Source

Signing utility

---

**IEW6006S** DD *ddName* does not specify a RECFM=U PDS.

## Explanation

*ddName* (such as INFILE or OUTFILE) must be a PDS with RECFM=U.

## User response

Check the *ddName*.

## Source

Signing utility

---

**IEW6007W** Member *member* in DD INFILE is excluded. It is not a load module.



## Explanation

This module is not a load module.

## User response

Not applicable.

## Source

Signing utility

---

**IEW6008W** Member *member* in DD INFILE is excluded. It has the overlay attribute.

## Explanation

This module is an overlay load module, and cannot be signed.

## User response

Not applicable.

## Source

Signing utility

---

**IEW6009W** Member *member* in DD INFILE is excluded. It has no text.

## Explanation

This module has no text and cannot be signed.

## User response

Not applicable.

## Source

Signing utility

---

**IEW6010E** Alias *alias* is an orphan in DD INFILE.

## Explanation

There are two possibilities for this error:

1. Its primary member has been deleted.
2. Its primary member has been linked again without specifying this alias. In addition, ISPF will indicate that the TTR of this alias is different from the TTR of its primary member.

## User response

Correct this directory error before signing. If this alias is no longer useful, delete it. If you must sign this alias, convert this alias to a primary member before you sign it.

You may use the following commands in z/OS UNIX to convert an alias to a primary member. Suppose your data set name is USER1.PGM.PDS, and the alias name is A1:

```
cp -X "'USER1.PGM.PDS(A1)'" A1
cp -X A1 "'USER1.PGM.PDS(A1)'"
```

The second command may issue a warning message IEW2627I, which can be ignored. After these two commands, alias A1 becomes a primary member.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6011W</b> | <b>The primary member of alias <i>alias</i> in DD INFILE has been renamed from <i>oldName</i> to <i>newName</i>.</b> |
|-----------------|--|

---

## Explanation

The primary member has been renamed.

For example, a primary member M1 had an alias A1, They had the same TTR attribute in their directory entries, which were set by the binder at link time. Later, M1 was renamed to M2.

**Note:** After the renaming, the following are true:

- The primary member name in the directory entry for A1 is still M1.
- TTR of M2 is unchanged.

When the IEWSIGN utility is analyzing directory entries of INFILE, it finds that A1 is an alias of M2 as they have the same TTR. However, the primary member name in the directory entry for A1 is M1. Therefore, the IEWSIGN utility issues this message.

For ACTION=SIGN and ACTION=UNSIGN, in OUTFILE, the alias will link to the new name rather than the old name.

## User response

Not applicable.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6012S</b> | <b>Multiple names in a line of DD <i>ddname</i> are not allowed. Line='xxxx'.</b> |
|-----------------|---|

---

## Explanation

In INCLUDE or EXCLUDE, a line cannot have two names.

For example, the following line is not allowed:

```
IEW*   IEB*
```

The two names must be placed into two separate lines.

## User response

Place the names on separate lines to correct the problem.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6013S</b> | <b>No load modules to be processed.</b> |
|-----------------|---|

---

**Explanation**

No load module has been selected for the specified action. The IEWSIGN utility selects load modules in the following three steps:

1. Select load modules from INFILE by parameter STATE.  
**Note:** For ACTION=UNSIGN, only unsigned load modules are selected.
2. Selected load module in previous step is then filtered by INCLUDE.
3. Selected load module in previous step is then filtered by EXCLUDE.

Refer to [IEWSIGN: Sign, unsign, and report load modules](#) in *z/OS MVS Diagnosis: Tools and Service Aids* for more instructions on the IEWSIGN utility.

**User response**

Define INFILE to a PDS with load modules, and set INCLUDE, EXCLUDE, or both, to select one or multiple load modules.

**Source**

Signing utility

---

|                 |                                 |
|-----------------|---------------------------------|
| <b>IEW6014E</b> | <b>RC4LIM (number) reached.</b> |
|-----------------|---------------------------------|

**Explanation**

This number of warnings reached the RC4LIM.

**User response**

Resolve the warnings or set RC4LIM to a larger value.

**Source**

Signing utility

---

|                 |                                 |
|-----------------|---------------------------------|
| <b>IEW6015E</b> | <b>RC8LIM (number) reached.</b> |
|-----------------|---------------------------------|

**Explanation**

This number of errors reached the RC8LIM.

**User response**

Resolve the errors or set RC8LIM to a larger value.

**Source**

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6016S</b> | <b>RACF R_PgmSignVer failed. Function Code=funcName, SAF return code=xx, RACF return code=yy, RACF reason code=zz.</b> |
|-----------------|--|

**Explanation**

RACF R\_PgmSignVer failed to sign a load module.

## User response

Locate the return code and reason code in [R\\_PgmSignVer \(IRRSPS00\): Program Sign and Verify in z/OS Security Server RACF Callable Services](#).

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6017S</b> | <b>Concatenation of data sets for DD <i>ddname</i> is not allowed.</b> |
|-----------------|--|

## Explanation

Cannot define multiple data sets for INFILE or OUTFILE.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6018S</b> | <b>Member cannot be specified in DSN of DD <i>ddname</i>.</b> |
|-----------------|---|

## Explanation

Cannot specify member in DSN of INFILE or OUTFILE.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6019S</b> | <b>Error occurred during writing records of member <i>member</i>. Usually the reason is that DD OUTFILE is out of space.</b> |
|-----------------|--|

## Explanation

Usually the reason is that OUTFILE is out of space. Check for a preceding CEE3250C message issued by Language Environment.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6020S</b> | <b>Cannot create directory entry <i>member</i> in DD OUTFILE due to insufficient directory entry space.</b> |
|-----------------|---|

## Explanation

The directory entry space in OUTFILE is not enough.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6021S</b> | <b>Cannot allocate <i>mmmm</i> bytes of memory <i>above/below</i> the 16M line.</b> |
|-----------------|---|

---

## Explanation

Memory above or below the line is not sufficient.

## User response

Check the JCL attributes related to the memory limit, such as parameter REGION.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6022E</b> | <b>Primary member name changed. Old=<i>name1</i>, new=<i>name2</i></b> |
|-----------------|--|

---

## Explanation

When ACTION=REPORT, IEWSIGN finds that a primary member has been renamed after its signing.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6023E</b> | <b>Member <i>member</i> has a directory entry error. Alias <i>alias</i> is in the DE record(s) but not in the directory.</b> |
|-----------------|--|

---

## Explanation

When ACTION=REPORT, IEWSIGN finds that an alias of a signed load module has been deleted after its signing. In this message and IEW6024E, DE records refers to records in the load module that record the directory entries associated with this module at the time of signing.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6024E</b> | <b>Member <i>member</i> has a directory entry error. Alias <i>alias</i> is in the directory but not in the DE record(s).</b> |
|-----------------|--|

---

## Explanation

When ACTION=REPORT, IEWSIGN finds that an alias of a signed load module was added after its signing. Refer to IEW6023E for the explanation of DE record.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6025E</b> | <b>Error in directory entry of member <i>member</i>. Length differs, INFILE=<i>len1</i>, Record=<i>len2</i>.</b> |
|-----------------|--|

---

## Explanation

The directory entries in INFILE and directory entry records do not match.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6026E</b> | <b>Error in directory entry of member <i>member</i>. Byte offset differs, INFILE=<i>byte1</i>, Record=<i>byte2</i>.</b> |
|-----------------|---|

---

## Explanation

The directory entries in INFILE and directory entry records do not match. Offset is 0-origin.

**Note:** The bytes printed in this message have masked out for bits to be ignored.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6027E</b> | <b><i>number</i> reported load modules have errors.</b> |
|-----------------|---|

---

## Explanation

When ACTION=REPORT, IEWSIGN finds this number of load modules have errors.

## User response

Sign the load module again.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6028S</b> | <b>The first character of alternate DD <i>ddname</i> cannot be a blank character.</b> |
|-----------------|---|

---

## Explanation

An alternate ddname cannot begin with a blank character. If a calling program wants to use the default value of this ddname, set all 8 bytes of the ddname to zero.

## User response

Correct the alternate ddname.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6029S</b> | <b>Blocksize of DD OUTFILE(xx) must be equal to or larger than blocksize of DD INFILE (yy). The maximum value can be 32760.</b> |
|-----------------|---|

---

## Explanation

The blocksize of OUTFILE must be equal to or larger than blocksize of INFILE.

## User response

Set blocksize of OUTFILE with a valid value.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6030S</b> | <b>Blocksize of DD OUTFILE(xx) must be equal to or larger than 1024. The maximum value can be 32760.</b> |
|-----------------|--|

---

## Explanation

The blocksize of OUTFILE must be equal to or larger than 1024.

## User response

Set blocksize of OUTFILE with a valid value.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6031E</b> | <b>Member <i>member</i> cannot be signed since it has no CESD or TEXT record.</b> |
|-----------------|---|

---

## Explanation

The load module is corrupted and cannot be signed.

## User response

Rebuild the load module.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6032S</b> | <b>Language Environment callable services <i>func</i> failed with message number <i>xxxx</i>.</b> |
|-----------------|---|

---

## Explanation

The signing utility called this Language Environment service and it failed. Refer in Language Environment documentation for more details.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |   |
|-----------------|---|
| <b>IEW6033S</b> | <b>The validated boot program signing support is not available in the security product.</b> |
|-----------------|---|

---

## Explanation

The RACF support for signing load modules has not been installed.

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6034S</b> | <b>RDJFCB failed with return code cccc for DD <i>ddname</i>.</b> |
|-----------------|--|

---

## Explanation

The IEWSIGN utility called the DFSMS service RDJFCB to get DSNAME and volume serial of INFILE/OUTFILE, and this service failed. Locate the return code in section "Reading and Modifying a Job File Control Block (RDJFCB Macro) "" located in [Using System Macro Instructions in z/OS DFSMSdfp Advanced Services](#).

## User response

Resolve the errors.

## Source

Signing utility

---

|                 |  |
|-----------------|--|
| <b>IEW6035S</b> | <b>OBTAIN SEARCH failed with return code cccc for dataset <i>dsn</i> on volume <i>vol</i>.</b> |
|-----------------|--|

---

## Explanation

The IEWSIGN utility called the DFSMS service OBTAIN SEARCH to get data set attributes of INFILE/OUTFILE, and this service failed. Locate the return code in [Return Codes from OBTAIN \(Reading by Data Set Name\) in z/OS DFSMSdfp Advanced Services](#) .

## User response

Resolve the errors.

## Source

Signing utility



---

# Chapter 17. IFA messages

---

|         |  |
|---------|--|
| IFA010I | SMF DUMP PARAMETERS <i>keywd</i> [ <i>val</i> ] -- <i>orig</i> |
|---------|--|

---

### Explanation

This message lists the options in effect for the system management facilities (SMF) dump program. In the message text:

- keywd*  
The option.
- val*  
The value of the option.
- orig*  
The origin of the option, either SYSIN or DEFAULT.

### System action

SMF dump processing continues.

### Source

System management facilities (SMF)

### Module

IEEMB833

### Routing code

-

### Descriptor code

-

|         |  |
|---------|--|
| IFA011I | SMF { <i>inddname</i>   <i>outddname</i> } CANNOT BE {READ   WRITTEN TO  <br>CLOSED   SUCCESSFULLY PROCESSED}<br>SYSTEM ABEND CODE IS <i>cde</i><br>REASON/RETURN CODE IS <i>rcode</i><br>{JOB TERMINATED   NO FURTHER PROCESSING OF THIS DATA SET}<br>SMF ( <i>inddname</i> ) DATASET CONTAINS RECORD(S) IN ERROR<br>PROCESSING OF THIS DATASET CONTINUES<br>INVALID TIME OR DATE IN RECORD HEADER<br>[RETURN CODE = <i>rc</i> {FEEDBACK CODE = <i>fc</i>   ERROR CODE = <i>ec</i> }]<br>INVALID { DATE   TIME } SPECIFIED ON THE OUTDD STATEMENT |
|---------|--|

---

### Explanation

System management facilities (SMF) dump program was unable to open, read, write to, or close a data set.  
The system abend code and reason/return code appear when an ABEND has occurred in the system management facilities (SMF) dump program.

The last line of the message appears when the error occurred while processing a VSAM data set. The return code, feedback code, and error code are from VSAM. This message might be accompanied by a VSAM error message that further identifies the problem.

In the message text:

***inddname***

The ddname in a SYSIN INDD parameter.

***outddname***

The ddname in an OUTDD parameter.

***cde***

The system abend code.

***rcode***

The system abend reason or return code.

***rc***

The VSAM record management return code.

***fc***

The VSAM RPL feedback code.

***ec***

The VSAM OPEN/CLOSE error code.

For explanations of the VSAM codes, see [\*z/OS DFSMS Macro Instructions for Data Sets\*](#).

## **System action**

The system ends the SMF dump job, if the CLEAR or ALL option was specified for any VSAM input data set and the error occurred for an output data set. If the error was for inconsistently spanned VSAM input records (feedback code = 0140), or for incorrect time or date values in the record header, one or more records in error are skipped and counted as errors in the summary activity report. Data set processing continues.

In all other cases, dump processing continues, but there is no further processing of the indicated data set. If the indicated data set is an output data set, data is dumped to the output data sets not affected by the error.

## **System programmer response**

Check the JCL for the job. Be sure it includes a DD statement for each input and output ddname specified in the SYSIN parameters as well as a SYSIN DD statement. If DUMPIN or DUMPOUT, the default ddname for the input or output data set, appears in the message, include a DD statement with the same ddname. Check that each DD statement correctly defines the data set.

For IFASMFDL processing, verify that the DATE, START, and END values, if specified on the OUTDD statement, are within the range of the IFASMFDL global DATE, START, and END values.

If the message contains a system abend code, refer to [\*z/OS MVS System Codes\*](#) for an explanation of this abend code.

If the JCL is correct and the message contains VSAM codes, see [\*z/OS DFSMS Macro Instructions for Data Sets\*](#) for an explanation of the VSAM codes. Look for other messages about the problem.

Correct the problem. Rerun the SMF dump program, if required.

## **Source**

System management facilities (SMF)

## **Module**

IFASMFDP, IFASMFDL

## Routing code

-

## Descriptor code

-

---

IFA012I

DSORG FOR *inddname* CANNOT BE DETERMINED

SYSTEM ABEND CODE IS *cde*

REASON/RETURN CODE IS *rcode*

{JOB TERMINATED | NO FURTHER PROCESSING OF THIS DATA SET}

## Explanation

System management facilities (SMF) dump program could not determine whether the indicated data set is a VSAM or QSAM data set.

The system abend code and reason/return code appear when an ABEND has occurred in the system management facilities (SMF) dump program.

In the message text:

### ***inddname***

The ddname of an input data set specified in a SYSIN INDD parameter.

### ***cde***

The system abend code.

### ***rcode***

The system abend reason or return code.

## System action

If the CLEAR or ALL option was specified for this data set, or for any input VSAM data set, the system ends the SMF dump program. Otherwise, processing continues, although there is no further processing of this data set.

## System programmer response

Check the JCL for the job. Be sure it includes a DD statement for the specified ddname and that the DD statement correctly defines the data set.

If the message contains a system abend code, refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

Correct the problem. Rerun the SMF dump program to process the input data set.

## Source

System management facilities (SMF)

## Module

IFASMFDP

## Routing code

-

## Descriptor code

-

**Explanation**

The input for the system management facilities (SMF) dump program specified a CLEAR or ALL parameter for a QSAM data set. The program can only clear a VSAM data set that is used for SMF recording.

In the message text:

***inddname***

The ddname of an input data set specified in a SYSIN INDD parameter.

**System action**

SMF dump processing continues. The clear request is ignored.

**System programmer response**

None. It is not necessary to clear a QSAM data set that is used later as an output data set for SMF dump processing. If you want to clear the data set, use the standard system utilities.

**Source**

System management facilities (SMF)

**Module**

IFASMFDP

**Routing code**

-

**Descriptor code**

-

**Explanation**

System management facilities (SMF) dump program was unable to establish a recovery environment.

The system abend code and reason/return code appear when an ABEND has occurred in the system management facilities (SMF) dump program.

In the message text:

***cde***

The system abend code.

***rcode***

The system abend reason or return code.

**System action**

The system ends SMF dump processing.

## System programmer response

Rerun the SMF dump program. If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

If the message contains a system abend code, refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## Source

System management facilities (SMF)

## Module

IFASMFDL, IFASMFDL

## Routing code

-

## Descriptor code

-

---

IFA015I

SMF DUMP TERMINATED ABNORMALLY. NO DATA SETS WERE  
CLEARED.

## Explanation

System management facilities (SMF) dump program was unable to open the SYSPRINT data set.

## System action

The system ends SMF dump processing.

## Operator response

Notify the system programmer.

## System programmer response

Check the JCL for the job. Be sure it includes a SYSPRINT DD statement and that it defines the correct data set.

## Source

System management facilities (SMF)

## Module

IFASMFDL, IFASMFDL

## Routing code

2

## Descriptor code

5

---

IFA016I

ERROR DETECTED IN USER EXIT *exitname*. EXIT BYPASSED.

**SYSTEM ABEND CODE IS *cde***  
**REASON/RETURN CODE IS *rcode***

## Explanation

The system management facilities (SMF) dump program either:

- Could not load an installation exit routine.
- Detected an error while the exit routine was running.

The system abend code and reason/return code appear when an ABEND has occurred in the system management facilities (SMF) dump program.

Other error messages might precede this message.

In the message text:

### ***exitname***

The name of the installation exit routine.

### ***cde***

The system abend code.

### ***rcode***

The system abend reason or return code.

## System action

SMF dump processing continues, but bypasses the installation exit routine.

## System programmer response

If the exit routine could not be loaded, be sure the routine resides in an area that is searched by the system when modules are requested.

If the problem occurred while the exit routine was running, check the exit routine for errors.

If the message contains a system abend code, refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## Source

System management facilities (SMF)

## Module

IFASMFDP, IFASMF DL

## Routing code

-

## Descriptor code

-

---

**IFA017I**

**ERROR IN SMF DUMP SUMMARY REPORT. REPORT TERMINATED.**  
**SYSTEM ABEND CODE IS *cde***  
**REASON/RETURN CODE IS *rcode***

## Explanation

The system management facilities (SMF) dump program could not write the summary activity report.

The system abend code and reason/return code appear when an ABEND has occurred in the system management facilities (SMF) dump program.

In the message text:

***cde***

The system abend code.

***rcode***

The system abend reason or return code.

## **System action**

The system ends SMF dump processing. All the data sets have been dumped and/or cleared as requested.

## **System programmer response**

Check the JCL to be sure a SYSPRINT DD statement was included.

If the message contains a system abend code, refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

## **Source**

System management facilities (SMF)

## **Module**

IFASMFDP, IFASMF DL

## **Routing code**

-

## **Descriptor code**

-

---

**IFA018I** **SMF DATASET *inddname* HAS BEEN SUCCESSFULLY CLEARED.**

## **Explanation**

The system management facilities (SMF) dump program has successfully cleared the SMF recording data set.

In the message text:

***inddname***

The SMF recording data set.

## **System action**

SMF dump processing continues.

## **Source**

System management facilities (SMF)

## **Module**

IFASMFDP

## Routing code

-

## Descriptor code

-

---

**IFA019I****CLEAR OPTIONS IS NOT AUTHORIZED IN THIS ENVIRONMENT**

## Explanation

A CLEAR option of the system management facilities (SMF) dump program was requested. The requester is not APF-authorized. APF authorization is required to invoke the CLEAR function.

**Note:** APF authorization is not required to invoke the DUMP function or to obtain a summary activity report.

## System action

SMF dump processing continues, but no SMF recording data sets are cleared.

## System programmer response

The installation might want to allow APF authorization for the SMF dump program in a Time Sharing Options Extended (TSO/E) environment.

## Source

System management facilities (SMF)

## Module

IFASMFDP

## Routing code

-

## Descriptor code

-

---

**IFA020I*****ddname – – dsname***

## Explanation

The system management facilities (SMF) dump program issues this message once for each input and output data set.

In the message text:

### ***ddname***

The ddname.

### ***dsname***

The name of the data set.

## System action

SMF dump processing continues.



**Source**

System management facilities (SMF)

**Module**

IFASMFDP, IFASMF DL

**Routing code**

-

**Descriptor code**

-

---

**IFA021I****SMF ALLOCATION FAILED FOR SYS1.PARMLIB****Explanation**

SET SMF command processing tried to do a dynamic allocation for the SYS1.PARMLIB, but allocation failed.

**System action**

The system ends SET SMF command processing.

**Operator response**

When the data set is no longer in use, reenter the SET command.

**System programmer response**

Determine if another task or user has SYS1.PARMLIB allocated.

**Source**

System management facilities (SMF)

**Module**

IFATSMF

**Routing code**

-

**Descriptor code**

-

---

**IFA022I****SYSTEM ABEND CODE IS *cde* REASON/RETURN CODE IS *rcode*  
JOB TERMINATED| PROCESSING CONTINUES****Explanation**

An abend has occurred in the system management facilities (SMF) dump program.

In the message text:

**cde**

The system abend code.

**rcode**

The system abend reason or return code.

**System action**

SMF dump processing ends, unless there is a retry point.

**Operator response**

Notify the system programmer.

**System programmer response**

Refer to [z/OS MVS System Codes](#) for an explanation of this abend code.

**Source**

System management facilities (SMF)

**Module**

IFASMFDL, IFASMFDL

**Routing code**

-

**Descriptor code**

-

---

**IFA023I {inddname | LOGSTREAM} IS EMPTY, SMF DATA NOT DUMPED****Explanation**

When this message is issued by IFASMFDL, the system management facilities (SMF) data set dump program, it indicates that a DUMP option of the program was requested against an empty data set. When this message is issued by IFASMFDL, the SMF logstream dump program, it indicates that SMF could not complete processing of a DUMP, DELETE, or ARCHIVE of SMF data from the log stream because the log stream is empty.

In the message text:

**inddname**

The DD name of the empty SMF recording data. This is only specified when the message is issued by IFASMFDL.

**System action**

SMF dump processing continues, but no further processing is performed on the empty data set or logstream.

**Operator response**

Notify the system programmer.

## System programmer response

Ensure that the data set or logstream name for which the operation is being requested is correct. If it is, determine why the data set or logstream is empty; otherwise, alter the data set or logstream name to the correct one and rerun the job.

## Source

System management facilities (SMF)

## Module

IFASMFDP, IFASMF DL

## Routing code

-

## Descriptor code

-

---

IFA024I

SMF DATA SET SPECIFIED IN DD *inddname* CONTAINS MORE THAN 500 RECORDS IN ERROR.

## Explanation

The system management facilities (SMF) dump program detected more than 500 records in error in the SMF recording data set that was specified on DD statement *inddname*. Only the first 500 records in error are printed in the Summary Activity Report. Subsequent records in error are not printed, but are still counted in the total number of records in error.

In the message text:

### *inddname*

The DD name of the specified SMF recording data set.

## System action

SMF dump processing continues, but stops printing records in error in the Summary Activity Report for the SMF recording data set.

## Operator response

Notify the system programmer.

## System programmer response

If the SMF recording data set contains a large number of user records (for example, 500 records), ensure that the user records are built correctly. For information about records that the SMF dump program does not dump because of errors, see [z/OS MVS System Management Facilities \(SMF\)](#).

Otherwise, the specified SMF recording data set might not be valid. For information about valid data set input to the SMF dump program, see [z/OS MVS System Management Facilities \(SMF\)](#).

## Source

System management facilities (SMF)

## Module

IFASMFDP

## Routing code

-

## Descriptor code

-

---

**IFA025I**

**IFASMFDL DETECTED AN ERROR IN LOGSTREAM DATA. SVC DUMP  
CAPTURED|FAILED, RETURN CODE = *return-code***

## Explanation

IFASMFDL encountered an unexpected zero length value in the SMF header within the log block. The SDUMPX service was invoked to obtain an SVC dump.

In the message text:

### **CAPTURED**

The dump was successfully captured.

### **FAILED, RETURN CODE = *return-code***

The SDUMPX failed, where *return-code* is the resulting SDUMPX return code in hexadecimal.

## System action

When IFASMFDL encounters this condition, the following actions are taken:

- The rest of the current log block is bypassed for processing.
- A Logrec record is generated containing symptom string data that uniquely identifies this error condition.
- The SDUMPX service is invoked to capture an SVC dump. Dump Analysis and Elimination (DAE) may suppress this dump if it is found to be a duplicate. This message is only issued when the dump is not suppressed.
- If a dump was successfully captured (not suppressed and not failed), processing of the rest of the log blocks in the log stream continues, and the return code will be set to 4 at the end of processing.

If SDUMPX failed, the following actions are taken:

- If IFASMFDL is currently processing a DUMP request, processing of the rest of the log blocks continues, and the return code will be set to 4 at the end of processing.
- If IFASMFDL is currently processing an ARCHIVE or DELETE request, the ARCHIVE or DELETE operation will fail, processing ends immediately, and a return code of 8 is set.
- At processing end, message IFA848I will be issued to the SYSPRINT DD of the IFASMFDP job step.

## Operator response

Notify the system programmer.

## System programmer response

Preserve the SVC dump that was captured at the time of error. The dump title will be:

COMPON=SMF,COMPID=SC100,ISSUER=IFASMFDP,  
INVALID RECORD IDENTIFYING DATA IN  
LOGSTREAM

Refer to message IFA848I, appearing in the SYSPRINT DD of the IFASMF DL job step. This message will provide additional information about how many log blocks were found to be in error, and how many of the erroneous log blocks were captured in one or more dumps during the execution of the job step.

If a dump was captured, contact the IBM Support Center to report the problem. If necessary, IBM can assist with extracting good SMF data from the captured log block in the dump.

If the dump failed, refer to the return code descriptions for the SDUMPX macro in *z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO*, and resolve the problem. IFASMF DL will not process ARCHIVE or DELETE requests when the dump for this problem fails, so if necessary, once the SDUMPX problem is resolved, rerun the IFASMF DL job to complete the ARCHIVE or DELETE request.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

2

**Descriptor code**

12

---

|         |   |
|---------|---|
| IFA100I | IN PARMLIB MEMBER= <i>memname</i> ON LINE <i>line-number</i> PRODUCTS<br>WITH OWNER= <i>prodown</i> NAME= <i>prodname</i> FEATURE= <i>featurename</i><br>VERSION= <i>vv.rr.mm</i> ID= <i>prodid</i> HAVE BEEN {ENABLED DISABLED}. |
|---------|---|

**Explanation**

The state of the product has been set as indicated in the message.

In the message text:

- memname***  
The name of the parmlib member containing the PRODUCT statement.
- line-number***  
The number of the line in parmlib member *memname*.
- prodown***  
The owner of the product.
- prodname***  
The name of the product.
- featurename***  
The feature name of the product.
- vv***  
The version of the product, or \* if no version was supplied.
- rr***  
The release of the product, or \* if no release was supplied.
- mm***  
The modification level of the product, or \* if no modification level was supplied.
- prodid***  
The product identifier.

**ENABLED**

The product is enabled for use.

**DISABLED**

The product is disabled for use.

**System action**

Processing continues.

**Operator response**

None

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFAEDACT

**Routing code**

-

**Descriptor code**

5

---

|         |   |
|---------|---|
| IFA101I | IN PARMLIB MEMBER= <i>memname</i> ON LINE <i>line-number</i> PRODUCTS<br>WITH OWNER= <i>prodown</i> NAME= <i>prodname</i> FEATURE= <i>featurename</i><br>VERSION= <i>vv.rr.mm</i> ID= <i>prodid</i> COULD NOT BE {ENABLED DISABLED}.<br>NO STORAGE AVAILABLE. |
|---------|---|

**Explanation**

The state of the product was not set. The storage the system needed could not be allocated.

In the message text:

***memname***

The name of the parmlib member containing the PRODUCT statement.

***line-number***

The number of the line in parmlib member *memname*.

***prodown***

The owner of the product.

***prodname***

The name of the product.

***featurename***

The feature name of the product.

***vv***

The version of the product, or \* if no version was supplied.

*rr*

The release of the product, or \* if no release was supplied.

*mm*

The modification level of the product, or \* if no modification level was supplied.

*prodid*

The product identifier.

**ENABLED**

The product was to be enabled.

**DISABLED**

The product was to be disabled.

**System action**

Processing continues.

**Operator response**

Contact the system programmer.

**System programmer response**

Provide more common storage to relieve the storage shortage, then activate the parmlib member again to enable or disable the product.

**Source**

System management facilities (SMF)

**Module**

IFAEDACT

**Routing code**

-

**Descriptor code**

5

|                |   |
|----------------|---|
| <b>IFA102I</b> | <b>IN PARMLIB MEMBER=<i>memname</i> ON LINE <i>line-number</i> PRODUCTS<br/>WITH OWNER=<i>prodown</i> NAME=<i>prodname</i> FEATURE=<i>featurename</i><br/>VERSION=<i>vv.rr.mm</i> ID=<i>prodid</i> HAVE BEEN REMOVED FROM THE<br/>PRODUCT POLICY.</b> |
|----------------|---|

**Explanation**

The definition of the product has been removed from the product enablement policy.

In the message text:

*memname*

The name of the parmlib member containing the PRODUCT statement.

*line-number*

The number of the line in parmlib member *memname*.

*prodown*

The owner of the product.

***prodname***

The name of the product.

***featurename***

The feature name of the product.

***vv***

The version of the product, or \* if no version was supplied.

***rr***

The release of the product, or \* if no release was supplied.

***mm***

The modification level of the product, or \* if no modification level was supplied.

***prodid***

The product identifier.

**System action**

Processing continues.

**Operator response**

None

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFAEDACT

**Routing code**

-

**Descriptor code**

5

---

**IFA103I**

**IN PARMLIB MEMBER=*memname* ON LINE *line-number* PRODUCTS  
WITH OWNER=*prodown* NAME=*prodname* FEATURE=*featurename*  
VERSION=*vv.rr.mm* ID=*prodid* WERE NOT REMOVED FROM THE  
POLICY. NO MATCH WAS FOUND.**

**Explanation**

The definition of the product has not been removed from the product enablement policy. There was no matching entry in the policy.

In the message text:

***memname***

The name of the parmlib member containing the PRODUCT statement.

***line-number***

The number of the line in parmlib member *memname*.



**prodown**

The owner of the product.

**prodname**

The name of the product.

**featurename**

The feature name of the product.

**vv**

The version of the product, or \* if no version was supplied.

**rr**

The release of the product, or \* if no release was supplied.

**mm**

The modification level of the product, or \* if no modification level was supplied.

**prodid**

The product identifier.

**System action**

Processing continues.

**Operator response**

Make sure that the request to remove the product identifies the product correctly. If it did not, correct the product identification and enter the command again. If the request was correct, contact the system programmer.

**System programmer response**

Check the enablement policy to verify that the policy contains an entry for the product. If it does, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

System management facilities (SMF)

**Module**

IFAEDACT

**Routing code**

-

**Descriptor code**

5

---

**IFA104I**

**REGISTRATION HAS BEEN DENIED FOR PRODUCT  
WITH OWNER=*prodown* NAME=*prodname* FEATURE=*featurename*  
VERSION=*vv.rr.mm* ID=*prodid***

**Explanation**

The system denied the product's request to register. Either:

- The product has a state of DISABLED in the product enablement policy, or
- The product is not defined in the policy but its register request indicated that it should be disabled when there is no entry in the policy.

In the message text:

***prodown***

The owner of the product.

***prodname***

The name of the product.

***featurename***

The feature name of the product.

***vv***

The version of the product, or \* if no version was supplied.

***rr***

The release of the product, or \* if no release was supplied.

***mm***

The modification level of the product, or \* if no modification level was supplied.

***prodid***

The product identifier.

## **System action**

The product is not registered. Processing continues.

## **Operator response**

Contact the system programmer.

## **System programmer response**

If the product identified in the message is one that you expected to use, check the enablement policy. You might need to change the product's state from DISABLED to ENABLED or add an entry for the product that sets the state as ENABLED.

## **Source**

System management facilities (SMF)

## **Module**

IFAEDPCT

## **Routing code**

10,11

## **Descriptor code**

-

---

**IFA110I**

**NO MATCHING PRODUCT EXISTS FOR DISPLAY PROD COMMAND**

## **Explanation**

One of the following commands was issued:

- DISPLAY PROD,REGISTERED
- DISPLAY PROD,STATE
- DISPLAY PROD,STATUS

The system, however, found no matching product.

**System action**

Processing continues.

**Operator response**

Make sure that the DISPLAY command was entered correctly. If not, correct the product owner or product name and issue the command again. If the command was entered correctly, notify the system programmer.

**System programmer response**

Verify that the product named in the command (explicitly or as a default) is registered (for DISPLAY PROD,REGISTERED) or has its state defined in the product enablement policy (for DISPLAY PROD,STATE or DISPLAY PROD,STATUS).

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

System management facilities (SMF)

**Module**

IFAEDACT

**Routing code**

-

**Descriptor code**

5

---

|                |                                     |
|----------------|-------------------------------------|
| <b>IFA111I</b> | <b><i>hh.mm.ss</i> PROD DISPLAY</b> |
|----------------|-------------------------------------|

**Explanation**

A heading appears:

|   |       |      |         |         |    |
|---|-------|------|---------|---------|----|
| S | OWNER | NAME | FEATURE | VERSION | ID |
|---|-------|------|---------|---------|----|

One or more of the following lines appear:

|       |       |      |          |                 |    |
|-------|-------|------|----------|-----------------|----|
| state | owner | name | featname | <i>vv.rr.mm</i> | id |
|-------|-------|------|----------|-----------------|----|

In response to a DISPLAY PROD,REGISTERED, DISPLAY PROD,STATE, or DISPLAY PROD,STATUS command, this message displays the products that match the input supplied in the command. An \* in a column for DISPLAY PROD,REGISTERED indicates that the value was not provided when the product registered.

In the message text:

***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59) when the DISPLAY PROD command was issued.

***state***

One of the following, as defined in the enablement policy:

**E**

The product state is enabled.

**D**

The product state is disabled.

**N**

The product is not found; that is, the product does not appear in the enablement policy.

***owner***

The owner of the product.

***name***

The name of the product.

***featname***

The feature name of the product.

***vv***

The version of the product.

***rr***

The release of the product.

***mm***

The modification level of the product.

***id***

The product identifier.

**System action**

Processing continues.

**Operator response**

Follow your installation's procedures for the information that appears in the display.

**Source**

System Measurement Facilities (SMF)

**Module**

IFADEACT

**Routing code**

-

**Descriptor code**

5

---

**IFA112I****NO STORAGE AVAILABLE FOR DISPLAY PROD COMMAND****Explanation**

The system could not process the DISPLAY PROD command completely because it needed more storage to build the output display. Thus, it is possible that the system could not display all of the entries that match the command.

## System action

The system stops processing the command.

## Operator response

Enter the DISPLAY PROD command again, using the OWNER, NAME, FEATURENAME, and/or ID parameters to request a smaller set of entries. If the error persists, notify the system programmer.

## System programmer response

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

System management facilities (SMF)

## Module

IFADEACT

## Routing code

-

## Descriptor code

5

---

**IFA200W**

**LICENSE=z/OS.e WAS SPECIFIED BUT IS NOT ALLOWED.**

## Explanation

LICENSE=z/OS.e coded in IEASYSxx or specified in response to message IEA101A indicates that the z/OS.e operating system is attempting to run. This system can run only on a z/800 machine type 2066, and in an LPAR named ZOSExxxx. Any other machine and LPAR combination does not allow z/OS.e.

## System action

The system enters a non-restartable wait state of 07B, with reason code 17.

## Operator response

Notify the system programmer.

## System programmer response

Make sure the correct operating system was IPLed.

- If z/OS.e is the correct operating system, check the machine and LPAR combination. Correct the problem and re-IPL z/OS.e. If the machine type and LPAR combination is correct, contact the support center.
- If some other operating system should be running, update the IEASYSxx LICENSE parameter, check that the LPAR name is not ZOSExxxx, and re-IPL using the correct operating system.

## Source

IEAVNPED

## Module

IEAVNPED

## Routing code

-

## Descriptor code

-

---

IFA201W

LICENSE=z/OSe IS REQUIRED BUT WAS NOT SPECIFIED.

## Explanation

LICENSE=z/OSe coded in IEASYSxx or specified in response to message IEA101A is required because this system is running on a 2066 machine type in an LPAR named ZOSExxxx. However the LICENSE parameter of IEASYSxx indicates an operating system other than z/OS.e.

## System action

The system enters a non-restartable wait state of 07B, with reason code 18.

## Operator response

Notify the system programmer.

## System programmer response

Make sure the correct operating system was IPLed.

- If z/OS.e is the correct operating system, update the IEASYSxx parameter to indicate that LICENSE=z/OSe, and re-IPL z/OS.e.
- If some other operating system should be running, correct the LPAR name making sure it is not ZOSExxxx, and re-IPL using the correct operating system.

## Source

IEAVNPED

## Module

IEAVNPED

## Routing code

-

## Descriptor code

-

---

IFA202W

LICENSE=z/OSe IS REQUIRED BUT WAS NOT SPECIFIED.

## Explanation

The LPAR name ZOSExxxx is reserved for z/OS.e systems. The system running is not z/OS.e.

## System action

The system enters a non-restartable wait state of 07B, with reason code 18.

## Operator response

Notify the system programmer.

## System programmer response

Change the LPAR name to something other than ZOSExxxx.

## Source

IEAVNPIL

## Module

IEAVNPIL

## Routing code

-

## Descriptor code

-

---

IFA203I

LICENSE=zNALC IS IN EFFECT FOR THIS IPL.

## Explanation

Either LICENSE=zNALC was specified or the LPAR name is in the format zNALxxxx, indicating that zNALC pricing has been requested for this IPL.

## System action

The system continues processing.

## Operator response

If the zNALC pricing option is intended to be used on this system, then no action is required; otherwise, notify the system programmer.

## Programmer response

If the zNALC pricing option is intended to be used on this system, then no action is required; otherwise, take the following steps:

- If the LPAR name is in the format zNALxxxx, then change the name to one that does not follow that format.
- Have the operator IPL with a LICENSE parameter value other than zNALC.

## Source

IEAVNPED

## Module

IEAVNPED

## Routing code

-

## Descriptor code

12

---

**IFA301E**

**VENDOR EXIT *modname* IS DISABLED DUE TO LOAD FAILURE.**

---

## Explanation

The error return from the LOAD service indicates the load module *modname* could not be loaded.

In the message text:

### ***modname***

The name of the vendor supplied exit module.

## System action

The module is disabled and the usage report program continues.

## System programmer response

Make sure that the vendor exit module resides in an area that the system searches.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA303S**

**ERROR OPENING DDNAME *ddname*.**

---

## Explanation

The usage report program cannot open the data set.

In the message text:

### ***ddname***

The DDNAME that points to the data set.

## System action

If the DDNAME is SYSMSGs, the message is displayed on the console and the program terminates immediately. For all other DDNAMEs, processing continues through the control statement and initialization phase before the program terminates.



## Programmer response

Check the JCL for the job and ensure that it has the required DD statement. (See [IFAURP DD statements](#) in [z/OS MVS Product Management](#).)

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA304S**

**INTERNAL ERROR DETECTED BY USAGE REPORT PROGRAM.  
PROGRAM ENDED.**

## Explanation

The usage report program detected an internal error. Reports may or may not have been produced.

## System action

The system takes a dump and ends the usage report program

## System programmer response

If the error recurs and the data is valid, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA305S**

**CRITICAL CONTROL STATEMENT SYNTAX ERRORS.**

## Explanation

The usage report program detected a syntax error in the keyword parameters specified on the SYSIN JCL statement.

## System action

The usage report program continues processing the remaining control statements, however, processing ends before any SMF type 89 records are processed.

## Programmer response

Correct the syntax errors and re-submit job. Message IFA312S is also issued containing additional information about the error. See for the Programmer Response for IFA312S as well.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|                |   |
|----------------|---|
| <b>IFA306I</b> | <b>IFAURP OPTIONS <i>keyword(value) -- origin</i></b> |
|----------------|---|

## Explanation

This message lists the options in effect for the usage report program.

In the message text:

### ***keyword***

The option.

### ***value***

The value of the option.

### ***origin***

The origin of the option; either SYSIN or HISTORY.

## System action

The usage report program continues processing.

## System programmer response

None.

## Programmer response

None.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA307I**

**VENDOR EXIT *modname* IS DISABLED DUE TO RETURN CODE. RC= *rc***

## Explanation

The exit *modname* has been disabled because it returned a return code of *cc*.

In the message text:

### ***modname***

The name of the vendor supplied exit module.

### ***rc***

One of the following return codes: 08

## System action

The usage report program continues.

## System programmer response

None.

## Programmer response

None.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA308S**

**PROGRAM TERMINATED DUE TO PREVIOUS ERRORS.**

## Explanation

One or more terminating errors have been discovered.

**System action**

The usage report program ends.

**System programmer response**

Examine messages issued to the SYSMSGs sysout data set.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA309S****USAGE REPORTING PROGRAM UNABLE TO OBTAIN STORAGE.****Explanation**

The storage the usage report program needs to continue is not available.

**System action**

The usage report program ends.

**System programmer response**

Ensure that IEFUSI and IEALIMIT exits have not limited the region size available to IFAURP.

**Programmer response**

Specify REGION=0M on the job card.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA310E*****keyword* TRUNCATED TO *nn* CHARACTERS.**

## Explanation

The value specified on *keyword* is longer than the maximum supported length of *nn* and has been truncated to that length.

In the message text:

### ***keyword***

Indicates where the problem occurred and can be any of the following:

1. CUSTOMER NAME
2. CUSTOMER ADDRESS LINE 1
3. CUSTOMER ADDRESS LINE 2
4. CUSTOMER ADDRESS LINE 3
5. CUSTOMER ADDRESS LINE 4
6. CUSTOMER ADDRESS LINE 5
7. CUSTOMER ADDRESS LINE 6
8. CUSTOMER CONTACT
9. CUSTOMER PHONE
10. VENDOR NAME
11. VENDOR ADDRESS LINE 1
12. VENDOR ADDRESS LINE 2
13. VENDOR ADDRESS LINE 3
14. VENDOR ADDRESS LINE 4
15. VENDOR ADDRESS LINE 5
16. VENDOR ADDRESS LINE 6
17. VENDOR PRODUCT OWNER
18. VENDOR CUSTOMER NUMBER
19. VENDOR EXIT NAME
20. VENDOR DD
21. SYSPLEX ID
22. SYSPLEX PRODUCT OWNER
23. SYSPLEX PRODUCT NAME
24. SYSPLEX PRODUCT FUNCTION
25. PROCESSOR PRODUCT OWNER
26. PROCESSOR PRODUCT NAME
27. PROCESSOR PRODUCT FUNCTION

### ***nn***

The maximum length of the keyword value.

## System action

The usage report program continues.

## Programmer response

Shorten the length of the value on the reported keyword.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA311S****INCORRECT *keyword* LENGTH.****Explanation**

The value specified on *keyword* is not the correct length.

In the message text:

***keyword***

Indicates where the problem occurred and may be any of the following:

1. PROCESSOR TYPE
2. PROCESSOR MODEL
3. PROCESSOR SERIAL NUMBER
4. CLUSTER TYPE
5. CLUSTER MODEL
6. CLUSTER SERIAL NUMBER
7. CUSTOMER NAME

**System action**

The usage report program ends.

**Programmer response**

Specify a value of the correct length on the reported keyword.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

**Explanation**

A control statement syntax error has been detected.

In the message text:

***ll***

Indicates control statement line in which this error occurred.

***pp***

Indicates the position (counting from the left side) of error within the line.

***line***

The content of the line in error.

**|**

A position marker positioned under the point of error.

***error type***

One of the following error types was detected or actions taken:

1. *symbol* EXPECTED BEFORE *symbol*
2. *symbol* SEEN (*symbol*,*symbol*[,*symbol*...]) EXPECTED
3. SKIPPED UP TO THE NEXT *symbol*
4. *symbol* SHOULD BE DELETED.

**Note:**

1. *symbol* is any keyword, keyword value, or special symbol such as “(” or “,”, used in the control statements.
2. Error types 3 and 4 are always preceded by message IFA312S, error type 1, or error type 2.

**System action**

The usage report program is ended.

**Programmer response**

See the syntax diagrams in [IFAURP control statements](#) in [z/OS MVS Product Management](#) for the correct syntax.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

**Explanation**

An incorrect date value was specified on the indicated keyword.

**System action**

The usage report program is ended.

**Programmer response**

Specify a valid date. START, TESTDATE, and PLEXDATE require dates specified in the form *yyyymmdd*, where:

***yyyy***

Indicates the 4-digit year (such as 1994).

***mm***

Indicates the 2-digit month (such as 06 for June).

***dd***

Indicates the day (such as 05 for the 5th day of the month).

Dates later than IFAURP's run date are treated as an error.

ALIGN requires a month specification in the form *mm*, where *mm* is in the range 01-12. \

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

|                |  |
|----------------|--|
| <b>IFA314E</b> | <b>ALIGN FOR <i>owner, name, function</i> {ON PROCESSOR type, model, serial   IN SYSPLEX <i>id</i>} IGNORED - ALREADY ALIGNED.</b> |
|----------------|--|

**Explanation**

Measured usage for a product from the same product owner has already been started on the indicated processor or sysplex. The first product from a given vendor establishes the measurement and billing periods for **ALL** products from that vendor on a specific processor or sysplex.

In the message text:

***owner***

The owner of the product.

***name***

The name of the product.

***function***

The function name.

***type***

The type of processor.



**model**

The model of the processor.

**serial**

The serial number of the processor.

**id**

The id of the sysplex.

**System action**

The usage report program continues.

**Programmer response**

Remove ALIGN sub-keyword from START keyword.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

IFA320I

*nnnnnn* RECORDS IGNORED - BEFORE HISTORY CUTOFF DATE OF *dd*  
*mmm yyyy*.

**Explanation**

The usage report program detected type 89 history records older than 24 months.

In the message text:

***nnnnnn***

The number of history records older than the history file cutoff date.

***dd***

The cutoff day, for example 05.

***mmm***

The cutoff month, for example MAR.

***yyyy***

The cutoff year, for example 1994.

**System action**

History records older than the history cutoff date are not processed and are not written to the SYSHOUT file.

**Source**

SMF

IFAURP

## -

—

### Explanation

In the message text:

**nnnnnn**

The sequence number of the record.

The current and previous records are dumped to SYSMSGs. The usage report program terminates.

Make sure that the input SMF Type 89 data is sorted according to the instructions in section [SMFDATA DD](#) statement in *z/OS MVS Product Management*.

## SMF

IFAURP

—

## -

IFA322E RECORD *nnnnnn* INVALID - TCB + SRB GREATER THAN ELAPSED TIME.

The sum of the TCB and SRB CPU times for specific product section in an interval exceeds the elapsed time of that interval multiplied by the number of processors. Use message IFA343E to determine the name of the product. If more than one product section exceeds the elapsed time, message IFA343E identifies only the first product.

In the message text:

**nnnnnn**

The sequence number of the record.

### System action

The record is dumped to SYSMSGs and skipped. The first 10 records that contain any error are processed this way. If more than 10 records with this error are found, message IFA344I is issued once. The usage report program continues processing.

### System programmer response

Ensure that no vendor usage exits are incorrectly modifying the TCB and SRB times in the SMF type 89 records. Ensure that no SMF exits used on the system from which the records were produced modifies the TCB and SRB times in the SMF type 89 records.

### Source

SMF

### Module

IFAURP

### Routing code

-

### Descriptor code

-

---

**IFA323S** **NO RECORDS FOUND IN INPUT.**

### Explanation

The input stream specified on both the SYSHIN and the SMFDATA DD statements contained no data.

### System action

The usage report program is ended.

### Programmer response

Specify SMF record input to the program on the SYSHIN DD statement, SMFDATA DD statement, or both.

### Source

SMF

### Module

IFAURP

### Routing code

-

### Descriptor code

-

---

**IFA324S** **NO SMF TYPE 89 RECORDS FOUND IN INPUT.**

## Explanation

The input stream specified by the combination of the SMFDATA and SYSHIN DD statements did not contain any SMF type 89 records.

## System action

The usage report program is ended.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA325I** *nnnnnn* RECORDS READ.

## Explanation

The total number of records read from the the SMFDATA and SYSHIN data sets.

In the message text:

***nnnnnn***

The number of the records read.

## System action

The usage report program continues processing. This message is provided after all records have been read but before any reports have been produced.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA326I** *nnnnnn* RECORDS IGNORED - NOT SMF TYPE 89.

## Explanation

The total number of non-SMF Type 89 records found.

In the message text:

**nnnnnn**

The number of the records found.

## System action

The usage report program processing continues. This message is provided after all records have been read but before any reports have been produced.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA327E**

**RECORD *nnnnnn* IS A DUPLICATE.**

## Explanation

A duplicate input record has been detected from the SMFDATA DD data set(s).

In the message text:

**nnnnnn**

The sequence number of the record.

## System action

The record is dumped to SYSMSGs. The first 10 records with any error are processed this way. If more than 10 records with this error are found, message IFA330I is issued once. The usage report program continues processing but the record is ignored.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

IFA328S

**RECORD *nnnnnn* - ENTRY FOR PROCESSOR TYPE *type* AND {VERSION *version*|MODEL *model*} CAN NOT BE FOUND IN THE PROCESSOR TABLE.**

## Explanation

A type 89 SMF record identifies a processor, but there is no entry for this processor in IFAURP's processor table. Usage values cannot be determined for products running on this processor.

In the message text:

### ***nnnnnn***

The sequence number of the record.

### ***type***

The type of the processor. This field is defined by the STSI instruction. If the STSI instruction is not available, this field is defined by the STIDP instruction (referred to as the model number).

### ***version***

The version of the processor. This field is defined by the STIDP instruction.

### ***model***

The model of the processor. This field is defined by the STSI instruction.

There are two reasons why the processor could not be found in IFAURP's processor table:

1. The processor is a new processor type or model, but the service to update the table has not yet been applied.
2. For certain non-IBM processors, the version number is the same for multiple type and model combinations. As a result, IFAURP cannot positively identify the processor, unless the processor is explicitly identified with type model, and serial number on either the PROCESSOR control statement or the PROCESSOR keyword on the SYSPLEX control statement, both of which provide input to the usage report program.

## System action

The usage report program processing continues, but no usage related information will be provided for this processor.

## System programmer response

If the processor is **NOT** an IBM processor, ensure that a PROCESSOR control statement (or PROCESSOR keyword on the SYSPLEX control statement) has been correctly specified for this processor. If that does not resolve the problem, contact the IBM Support Center.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

### Explanation

Message IFA327I identifies the first 10 duplicate records. Any further duplicate records do not cause any messages, but the records are counted on the Software Summary Report.

In the message text:

**xx**

The number of errors found.

### System action

The usage report program continues processing but issues no more messages about duplicate records.

### Source

SMF

### Module

IFAURP

### Routing code

-

### Descriptor code

-

### Explanation

Either the TCB or SRB CPU time for a product is negative.

In the message text:

***nnnnnn***

The sequence number of the type 89 SMF record that contains the negative time values.

### System action

The record is dumped to SYSMSGs and skipped. If more than 10 invalid records are found, the program is ended. Otherwise, the usage report program continues processing.

### System programmer response

Ensure that no vendor usage exits are incorrectly modifying the TCB and SRB times in the SMF type 89 records. Ensure that no SMF exits on the system that produced the records modify the TCB or SRB times in the SMF type 89 records.

### Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA332S

**xx ERRORS FOUND. PROGRAM ENDED.**

## Explanation

Too many errors were found. See previous messages.

In the message text:

**xx**

The number of errors found.

## System action

The usage report program terminates.

## System programmer response

See previous messages.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA333E

**START|TESTDATE DATE FOR *owner, name, function* {ON PROCESSOR  
*type, model, serial* | IN SYSPLEX *id*} IGNORED - ALREADY STARTED.**

## Explanation

The product start date has already been set on a previous run of IFAURP. IFAURP ignores subsequent attempts to specify either TESTDATE or START with a date different than the established start date. The *owner, name*, and *function* fields identify the product's owner, name, and function respectively. If the redundant attempt to set the start date occurred on a stand-alone processor, then *type,model, serial* identifies the processor's type, model, and serial, respectively. If the attempt occurred on a parallel sysplex, then *sysplex id* identifies the sysplex.



**System action**

The usage report program continues processing.

**Programmer response**

Remove the SET keyword from the indicated product on the indicated processor or parallel sysplex.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

|         |  |
|---------|--|
| IFA334E | {PROCESSOR <i>type,model,serial</i>   CLUSTER <i>cluster_type,cluster_model,cluster_serial</i>   SYSPLEX <i>sysplex id</i> } HAS BEEN DUPLICATELY SPECIFIED. |
|---------|--|

**Explanation**

The identified processor, cluster, or sysplex is specified more than once. *Type, model, serial* identifies the processor's type, model, and serial, respectively. *Cluster\_type, cluster\_model, cluster\_serial* identifies the cluster's type, model, and serial, respectively. *Sysplex id* identifies the sysplex's name identifier.

This situation occurs under the following circumstances:

- for duplicate processor  
The identified processor is duplicated (specified twice) on:
  1. another PROCESSOR control statement
  2. the PROCESSOR keyword on another SYSPLEX control statement
  3. the PROCESSOR keyword on the same SYSPLEX control statement
  4. another TRANSFER control statement as the “old” processor.
- for duplicate cluster  
The identified cluster is duplicated (specified twice) on:
  1. the CLUSTER keyword on another SYSPLEX control statement
  2. the CLUSTER keyword on the same SYSPLEX control statement.
- for duplicate sysplex  
A sysplex with the same *sysplex\_id* and PLEXDATE value has been specified.

**System action**

The duplicate specification is ignored.

## Programmer response

Delete the duplicate specification.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA335E** **PROCESSOR *type,model,serial* NOT VALID IN SYSPLEX *sysplex id*.**

## Explanation

A processor that is not capable of being part of a parallel sysplex has been specified as part of parallel sysplex *sysplex id*. *Type, model, serial* identifies the processor's type, model, and serial, respectively. SYSPLEX *sysplex id* indicates the id of the sysplex.

## System action

The processor is treated as a stand-alone processor and is reported on separately.

## System programmer response

The reason for this problem could be that the correct type/model was not specified. Ensure that the type/model is correct. If the type/model is already correct, then the processor should be specified by itself outside of the sysplex control statement.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA336S** **{PROCESSOR *type,model,serial*| CLUSTER *cluster\_type,cluster\_model,cluster\_serial*} NOT VALID.**

**Explanation**

The processor identified by *type, model, serial* or the cluster identified by *cluster\_type, cluster\_model, cluster\_serial* is not a valid processor or cluster. If a processor, it was specified on one of the following:

- 1. a PROCESSOR control statement
- 2. the PROCESSOR keyword on a SYSPLEX control statement
- 3. a TRANSFER control statement.

If a cluster, it was specified on the CLUSTER keyword of a SYSPLEX control statement.

**System action**

The program is terminated.

**System programmer response**

Ensure the processor or cluster specification is correct. If it is correct, the problem is that the identified processor or cluster is not known to the usage report program. Contact the IBM Support Center.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

|         |  |
|---------|--|
| IFA337E | TRANSFER OF PROCESSOR <i>from_type, from_model, from_serial</i> IGNORED. PROCESSOR <i>to_type, to_model, to_serial</i> PREVIOUSLY TRANSFERRED. |
|---------|--|

**Explanation**

The transfer for the processor identified by *from\_type, from\_model, from\_serial* was ignored because the target of the transfer, the processor identified by *to\_type, to\_model, to\_serial*, has been previously transferred. A processor cannot be transferred to a processor that has already been transferred.

**System action**

The transfer specification is ignored.

**System programmer response**

Ensure the target processor is specified correctly.

**Source**

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA338E | TRANSFER OF <i>type, model, serial</i> IGNORED. PROCESSOR HAS NO USAGE PRODUCTS. |
|---------|--|

---

## Explanation

The transfer of products from processor *type, model, serial* has been ignored on this run because this processor does not currently have products selected for usage pricing.

## System action

The usage report program continues.

## Programmer response

Ensure the correct processor is specified as the “from” processor in the transfer.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|         |   |
|---------|---|
| IFA339E | TRANSFER OF PROCESSOR <i>from_type, from_model, from_serial</i> IGNORED. PROCESSOR <i>to_type, to_model, to_serial</i> HAS USAGE PRODUCTS |
|---------|---|

---

## Explanation

The transfer specification of the processor, identified by *from\_type, from\_model, from\_serial*, has been ignored because usage priced products already execute on the target processor, identified by *to\_type, to\_model, to\_serial*. **A processor that is the target of a transfer cannot already have usage priced products.**

## System action

The transfer specification is ignored.

## System programmer response

Correctly identify the processor that does not already have products being billed via Measured Usage License Charges.

### Source

SMF

### Module

IFAURP

### Routing code

-

### Descriptor code

-

---

|         |  |
|---------|--|
| IFA340E | VENDOR EXIT <i>modname</i> IS DISABLED DUE TO ABEND ERROR. |
|---------|--|

### Explanation

The exit specified in the message was disabled because it did not recover from an ABEND, or

In the message text:

#### ***modname***

The name of the vendor supplied exit module.

### System action

The usage report program continues. It does not invoke the disabled exit routine.

## System programmer response

Determine the reason for error and correct, if possible. Otherwise, contact the product owner for problem resolution.

### Source

SMF

### Module

IFAURP

### Routing code

-

### Descriptor code

-

---

|         |   |
|---------|---|
| IFA341E | STOP FOR <i>owner, name, function</i> {ON PROCESSOR <i>type, model, serial</i>  <br>IN SYSPLEX <i>sysplex id</i> } IGNORED - NOT STARTED. |
|---------|---|

## Explanation

The usage reporting in the Billing Purposes section of the usage report could not be curtailed for the identified product on the identified processor, or in the identified sysplex, because usage reporting for that product was not previously started.

In the message text:

### ***owner***

Specifies the product owner of the identified product.

### ***name***

Specifies the product name of the identified product.

### ***function***

Specifies the product function of the identified product, if the product specified a PRODQUAL value when it registered for usage data collection with the IFAUSAGE macro.

### ***type***

Specifies the type of the identified processor.

### ***model***

Specifies the model of the identified processor.

### ***serial***

Specifies the serial number of the identified processor.

### ***sysplex id***

Specifies the sysplex id of the identified sysplex.

## System action

The usage report program will continue.

## Programmer response

Ensure the correct product is specified. If the product is correct, specify either START or TESTDATE in place of STOP.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA342E

PROCESSOR {TYPE *type* | SERIAL *serial* } NOT VALID - CONTAINS NON-NUMERICS.

## Explanation

The indicated processor type or serial number contains non-numeric data.

In the message text:

**type**

Identifies the type value that contains non-numeric data.

**serial**

Identifies the serial number value that contains non-numeric data.

**System action**

The usage report program will terminate.

**Programmer response**

Processor type and serial numbers can not contain non-numeric characters. Enter the correct value and run the IFAURP again.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

|                |  |
|----------------|--|
| <b>IFA343E</b> | <b>INVALID TCB + SRB FOR PRODUCT <i>name</i></b> |
|----------------|--|

**Explanation**

The name of the product that caused message IFA322E to be issued.

In the message text.

**name**

The name of the product.

**System action**

Refer to IFA322E message.

**Programmer response**

Refer to IFA322E message.

**Source**

SMF

**Module**

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA344I**

**xx RECORDS FOUND CONTAINING A PRODUCT WITH TCB + SRB  
GREATER THAN ELAPSED TIME.**

## Explanation

Message IFA322E identifies the first 10 records containing a product with TCB + SRB greater than elapsed time. Any further records do not cause any messages to be issued, but the records are counted on the Software Summary Report.

In the message text.

**xx**

The number of errors found.

## System action

The usage report program continues processing, but issues no more messages about records containing a product with TCB + SRB greater than elapsed time.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA345E**

**VENDOR EXIT *modname* REQUIRES IFAURP VERSION xx RELEASE yy  
MOD zz.**

## Explanation

The vendor exit, *modname*, requires a level of IFAURP higher than the current IFAURP level.

In the message text:

***modname***

The name or alias of the vendor-supplied exit module.

## System action

The usage values appearing on the Software Usage Report for the product(s) processed by this exit are replaced by XXXX and a note pointing to this message. The usage report program continues to process data for other products.



## System programmer response

Install the required level of program IFAURP.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|                |  |
|----------------|--|
| <b>IFA346E</b> | <b>VENDOR EXIT <i>modname</i> PASSED UNSUPPORTED VALUE OF X'x..x' IN UPRMxxxx.</b> |
|----------------|--|

## Explanation

The vendor exit, *modname*, passed a parameter value that does not support this level of IFAURP. There are two possible reasons for this error:

1. The customer is executing a down-leveled version of IFAURP, which does not support this parameter value
2. The vendor exit is in error.

In the message text:

### ***modname***

The name or alias of the vendor-supplied exit module.

### **UPRMxxxx**

The parameter being passed by the exit to IFAURP.

### **X'x..x'**

The hexadecimal value of the parameter being passed.

## System action

The usage values appearing on the Software Usage Report for the product(s) processed by this exit are replaced by XXXX and a note pointing to this message. The usage report program continues to process data for other products.

## System programmer response

Do one of the following:

- Install the latest level of program IFAURP, if not already installed.
- Install the latest level of service against the vendor exit specified
- Contact the service organization responsible for the vendor exit. If the vendor exit has a prefix of IFAU, contact the IBM Support Center.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA347E**

**NO SUPPORT FOR SMF89URT VALUE OF X'nn' FOR *prodowner*,  
*prodname*, *prodqual*.**

## Explanation

The product's SMF89URT field contains a value not supported by this level of IFAURP.

In the message text:

### **X'nn'**

The hexadecimal value of the parameter being passed.

### ***prodowner***

The product owner as obtained from the SMF89UPO field

### ***prodname***

The product name as obtained from the SMF89UPN field

### ***prodqual***

The product qualifier as obtained from the SMF89UPQ field

## System action

The usage values appearing on the Software Usage Report for the product(s) processed by this exit are replaced by XXXX and a note pointing to this message. The usage report program continues to process data for other *prodowner*, *prodname*, *prodqual* combinations of the product's data.

## System programmer response

Do one of the following:

- Install the latest level of program IFAURP.
- If already at the highest level of IFAURP, contact the IBM Support Center.

## Programmer response

Run the usage report program again after the problem has been corrected.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA348E

INVALID FOOTNOTE TEXT PASSED BY VENDOR EXIT *modname*.

## Explanation

Vendor exit *modname* passed footnote text having a zero or negative length.

In the message text:

***modname***

The name or alias of the vendor supplied exit module.

## System action

This message replaces the note message that the vendor exit omitted. The usage report program continues to process and report the usage data for this product, as if no problem exists.

## System programmer response

Contact the service organization responsible for the vendor exit. If the vendor exit has a prefix of IFAU, contact the IBM Support Center.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA349E

WARNING: NEW SMF HEADER FIELDS NOT SUPPORTED BY THIS  
LEVEL OF IFAURP.

## Explanation

The usage report program, IFAURP, is down-level relative to the level of the system on which the SMF type 89 records were collected. This level of IFAURP is unable to process the new SMF header fields.

## System action

The usage report program continues to process all SMF type 89 records. Individual vendor exits may, however, require that the usage report program process the new SMF fields for specific products. These exits will communicate this requirement by issuing the appropriate error messages.

## System programmer response

Install the latest level of program IFAURP.

## Programmer response

Execute the usage report program again after the latest level of program IFAURP has been installed, if directed to do so by your IBM client representative.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA350E | RECORD <i>nnnnnn</i> CONTAINS SMF HEADER FIELDS NOT SUPPORTED BY THIS LEVEL OF IFAURP. |
|---------|--|

## Explanation

The usage report program, IFAURP, is down-level relative to the level of the system on which the SMF type 89 records were collected.

In the message text:

***nnnnnn***

The sequence number of the record.

## System action

The SMF type 89 record with the first occurrence of the new header fields is dumped to SYSMSGs. The usage report program processes this record and continues processing the remaining records.

## Programmer response

Save the IFAURP Messages Report for possible analysis by the IBM Support Center.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA351E | VENDOR EXIT <i>modname</i> IS REQUIRED BUT WAS NOT LOADED. |
|---------|--|

## Explanation

The vendor exit, *modname*, is required to process usage data for a specific product; but the usage report program did not load it.

In the message text:

### ***modname***

The name or alias of the vendor supplied exit module.

## System action

The usage values appearing on the Software Usage Report for the product(s) processed by this exit are replaced by XXXX and a note pointing to this message. The usage report program continues to process data for other products.

## System programmer response

Do one of the following:

- Make sure that the vendor exit module resides in a data set that the system searches.
- Install the vendor exit, if not installed.

## Programmer response

Execute the usage report program again after the problem has been corrected.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA352E

RECORD *nnnnnn* INVALID - INCONSISTENT HEADER INFORMATION

## Explanation

The SMF record is considered invalid because of one of the following:

- There are an invalid number of product sections or system ID sections in the record.
- Various sections overlay each other or extend beyond the end of the logical record.

In the message text:

### ***nnnnnn***

The sequence number of the record.

## System action

The record is dumped to SYSMSGs. The first 10 records with any error are processed this way. If more than 10 records are found with this error, message IFA353E is issued once. The usage report program continues processing but each record with this error is ignored.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA353E**

***nnnnnn* RECORDS WITH INCONSISTENT HEADER INFORMATION  
FOUND AND IGNORED**

## Explanation

*nnnnnn* records are considered invalid due to inconsistent SMF header fields, and are excluded from further processing.

In the message text:

***nnnnnn***

The number of records found.

## System action

These records are excluded from processing. The usage report program continues. This message is provided after all the records have been read but before any reports have been produced.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA354E**

**INVALID METRIC TEXT PASSED BY VENDOR EXIT *modname***

## Explanation

Vendor exit, *modname*, passed metric text having a zero or negative length.

In the message text:

### ***modname***

The name or alias of the vendor supplied exit module.

## System action

The value '(*unknown*)' is substituted for the metric text on the Summary Report. The usage report program continues to process and report the usage data for this product, as if no problem exists.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA355E | VENDOR EXIT <i>modname</i> CHANGED THE SMF89URT VALUE TO X' <i>nn</i> ',<br>WHICH IS NOT SUPPORTED |
|---------|--|

## Explanation

The vendor exit changed the product's SMF89URT record field to a value not supported by this level of IFAURP.

In the message text:

### **X'*nn*'**

The value that SMF89URT was changed to by *modname*

### ***modname***

The name or alias of the vendor supplied exit module.

## System action

The usage values appearing on the Software Usage Report for the product(s) processed by this exit are replaced by XXXX and a note pointing to this message. The usage report program continues to process data for other *prodowner*, *prodname*, *prodqual* combinations of the product's data.

## System programmer response

Do one of the following:

- Install the latest level of program IFAURP
- If already at the highest level of IFAURP, contact the organization responsible for the vendor exit. If the vendor exit has a prefix of IFAU, contact the IBM Support Center.

## Programmer response

Execute the usage report program again after the problem has been corrected.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA356E

10 INPUT RECORDS DUMPED. DUMPING DISCONTINUED.

## Explanation

The first 10 SMF records, which have error conditions calling for dumping of the records and continuation of usage report program processing, have been dumped. Additional SMF records having such error conditions will not be dumped.

## System action

The usage report program continues to perform the error checking and processing, but no further error messages and dumping will occur unless a situation is encountered that calls for termination of processing.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

IFA358I

IFAURP PARM: { *parm-text* | None }

## Explanation

The message shows, in *parm-text*, the parameter passed to IFAURP or “None” if no parameter was passed.

## System action

The usage report program continues.



**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA359I****Default PARM: USAGE****Explanation**

The default PARM for IFAURP is USAGE.

**System action**

The usage report program continues.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA360S****IFAURP PARM field error. Program ended.****Explanation**

This version of IFAURP does not recognize the parameter shown in message IFA358I.

**System action**

The usage report program terminates.

**Programmer response**

Specify a PARM value that this level of IFAURP supports, or use a version that supports the parameter you require.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA361E****RECORD *nnnnnn* INVALID - INCORRECT TIME VALUE.**

---

**Explanation**

The SMF record contains an incorrect time value in one or both of the following SMF type 89 record fields: SMF89IST, SMF89UST. Correct time values are hexadecimal values less than 0083D600.

In the message text:

***nnnnnn***

The sequence number of the record.

**System action**

The record is dumped to SYSMSGs and skipped, as are the first 10 records that contain any error. If more than 10 records contain an error, message IFA356E is issued once. The usage report program continues processing but skips subsequent records that contain an error.

**System programmer response**

Ensure that no vendor usage exit routine is incorrectly modifying any SMF record type 89 time fields. Also verify that no SMF exit routine running on the system where the records were produced is incorrectly modifying any time field in record type 89. Save the IFAURP Messages Report for possible analysis by the IBM Support Center.

**Source**

SMF

**Module**

IFAURP

**Routing code**

-

**Descriptor code**

-

---

**IFA362I*****nnnnnn* RECORDS IGNORED - INCORRECT TIME VALUE.**

---

## Explanation

The usage report program has found *nnnnnn* SMF type 89 records that contain incorrect values in one or more time fields and has excluded these records from further processing.

In the message text:

***nnnnnn***

The number of records found.

## System action

These records are excluded from processing. The usage report program continues. This message is provided after all the records have been read but before any reports have been produced.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA363E**

**RECORD *nnnnnn* INVALID - DATA LATER THAN IFAURP EXECUTION  
DATE**

## Explanation

The SMF record contains an unsupported date value in one or both of the following SMF type 89 record fields: SMF89ISD, SMF89USD. The date value cannot be later than the execution date of the IFAURP Usage Report.

In the message text:

***nnnnnn***

The sequence number of the record.

## System action

The record is dumped to SYSMSGs and skipped, as are the first 10 records that contain any error. If more than 10 records contain an error, message IFA356E is issued once. The usage report program continues processing but skips subsequent records that contain an error.

## System programmer response

Ensure that no vendor usage exit routine is incorrectly modifying any SMF record type 89 date fields. Also verify that no SMF exit routine running on the system where the records were produced is incorrectly modifying any date field in record type 89. Save the IFAURP Messages Report for possible analysis by the IBM Support Center.

**Note:** If the SMF record type 89 date fields were generated as a result of date boundary testing (for example, Year2000), no response from the system programmer is required. IFAURP will not process any SMF type 89 records generated from date boundary testing.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA364I** *nnnnnn* RECORDS WITH DATES LATER THAN IFAURP EXECUTION DATE

## Explanation

The usage report program has found *nnnnnn* SMF type 89 records that contain unsupported values in one or more date fields and has excluded these records from further processing. Dates later than the execution date of the IFAURP Usage Report are not supported.

In the message text:

*nnnnnn*

The number of records found.

## System action

These records are excluded from processing. The usage report program continues. This message is provided after all the records have been read but before any reports have been produced.

## Source

SMF

## Module

IFAURP

## Routing code

-

## Descriptor code

-

---

**IFA400I** SMFTBUFF PARAMETER VALUE OF *nnn* MEGABYTES NOW IN EFFECT.

## Explanation

This message identifies the value specified by the SMFTBUFF IEASYSxx parameter option. This value is used by SMF to designate the size of the buffer that is used to hold data during IPL processing while SMF initializes and configures the actual logstream or data set buffers.

In the message text:

**nnn**

The specified SMFTBUFF parameter value.

### System action

SMF obtains a buffer of the size indicated in the message. SMF places data into the buffer until the time that SMF completes initialization. Once SMF initialization is complete, SMF moves the data from this buffer to the logstream or to the MANx data set, depending on the requested recording mode.

### Operator response

None.

### System programmer response

None.

### Source

SMF

### Module

IFASTART

### Routing code

2

### Descriptor code

4

---

|         |  |
|---------|--|
| IFA401I | SMFTBUFF PARAMETER VALUE OF <i>nnn</i> IS INVALID. PARAMETER IS IGNORED. |
|---------|--|

### Explanation

This message indicates that the value specified by the SMFTBUFF IEASYSxx parameter option is invalid.

In the message text:

**nnn**

The specified SMFTBUFF parameter value, up to a length of 8.

### System action

SMF obtains a 5 megabyte buffer, which is the default size. SMF places data into the buffer until the time that SMF completes initialization. Once SMF initialization is complete, SMF moves the data from this buffer to the logstream or to the MANx data set, depending on the requested recording mode.

### Operator response

Notify the system programmer of the error.

### System programmer response

Refer to the IEASYSxx section of the *z/OS MVS Initialization and Tuning Reference* manual for a description of the SMFTBUFF parameter. Correct the specified SMFTBUFF parameter value. This value will take effect during the next IPL of the system.

## Source

SMF

## Module

IFASTART

## Routing code

2, 10

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IFA700I</b> | <b>INCORRECT PREFIX OR NAME OF LOGSTREAM NAME <i>logstream_name</i></b> |
|----------------|---|

## Explanation

During SMF initialization, the system issues this message to indicate that a log stream name that is defined for SMF data in the SMFPRMxx parmlib member is incorrect. The log stream name was either defined without the required prefix of 'IFASMF.', or defined with more than 26 characters.

In the message text:

### ***logstream\_name***

The incorrect log stream name

## System action

The system does not complete the SET SMF command.

## System programmer response

Correct the name of the log stream in the SMFPRMxx parmlib member; alternatively, specify the name of another available correct log stream to use for SMF data. Next, issue the SET SMF command. For more information, see [Setting up and managing SMF recording to logstreams in z/OS MVS System Management Facilities \(SMF\)](#) and [Planning for system logger applications in z/OS MVS Setting Up a Sysplex](#).

## Source

SMF

## Module

IEEMB832

## Routing code

\*,2,10

## Descriptor code

4,5

---

|                |  |
|----------------|--|
| <b>IFA701I</b> | <b>UNEXPECTED ADDITIONAL DEFAULT LOGSTREAM NAME<br/><i>logstream_name</i> IS IGNORED</b> |
|----------------|--|

## Explanation

While processing a SET SMF command, the system found that the SMFPRMxx parmlib member contains more than one DEFAULTLSNAME keyword, which is not allowed. You can only specify one default log stream name for SMF data. The system processes only the first DEFAULTLSNAME keyword.

In the message text:

### ***logstream\_name***

The log stream name that was not accepted as the default.

## System action

The system processes only the first keyword and completes the SET SMF command.

## System programmer response

Ensure that the SMFPRMxx parmlib member has just one DEFAULTLSNAME keyword.

## Source

SMF

## Module

IEEMB832

## Routing code

\*,2,10

## Descriptor code

4,5

---

**IFA702I**

**NO LOGSTREAMS WERE SPECIFIED FOR THE FOLLOWING RECORD  
TYPES*n1-nx***

## Explanation

While processing a SET SMF command, the system found that the displayed SMF record types had no log stream assigned to them in the SMFPRMxx parmlib member. Every record type must have a log stream associated with it, either specifically on the LSNAME parameter, or by default as defined on the DEFAULTLSNAME parameter. The system does not complete the SET SMF command.

In the message text:

### ***n1-nx***

The range of SMF record types for which there is no log stream assigned.

## System action

The system does not complete the SET SMF command.

## System programmer response

Either:

- Define a log stream specifically on an LSNAME parameter of the SMFPRMxx parmlib member.
- Define a default log stream for your SMF records on the DEFAULTLSNAME parameter of the SMFPRMxx parmlib member.

## Source

SMF

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

**IFA703I**

**SWITCH SMF COMMAND IS ALREADY IN PROGRESS**

## Explanation

While processing a SWITCH SMF command, the system found that another SWITCH SMF command was already in progress. The system will not accept a SWITCH SMF command while another one is in progress.

## System action

The system rejects the SWITCH SMF command and continues processing.

## Operator response

Wait for the first SWITCH SMF command to finish processing and then reissue the second one, if necessary.

## Source

SMF

## Module

IFALSMOD

## Routing code

2,10

## Descriptor code

4,5

---

**IFA704I**

**INCORRECT MAXBUFSIZE OF *logstream\_name* SHOULD BE AT LEAST 33024.**

## Explanation

While processing a SET SMF command, the system found that the displayed log stream had an incorrect log block MAXBUFSIZE defined in the LOGR couple data set. The MAXBUFSIZE defined for the log stream must be equal to the maximum size of the SMF record, plus the prefix size, so you must define a MAXBUFSIZE of at least 33024. The system would not process the SET SMF command.

In the message text:



**logstream\_name**

The name of the log stream with the incorrect MAXBUFSIZE defined in the LOGR couple data set.

**System action**

The system does not complete the SET SMF command.

**System programmer response**

Use the Administrative Data Utility (IXCMIAPU) to define a MAXBUFSIZE for the log stream in the LOGR couple data set of at least 33024. Next, reissue the SET SMF command. See [LOGR keywords and parameters for the administrative data utility in z/OS MVS Setting Up a Sysplex](#).

**Source**

SMF

**Module**

IFALSMOD

**Routing code**

\*,2,10

**Descriptor code**

4,5

---

|                |  |
|----------------|--|
| <b>IFA705I</b> | <b>command SMF HAS [NOT] SYNCHRONIZED THE BUFFERED LOGSTREAM RECORDS</b> |
|----------------|--|

---

**Explanation**

In response to a SWITCH or HALT SMF command, SMF has or has not completed writing SMF data from the SMF buffers to specified log streams. If you have an IEFU29L log dump exit set up, SMF passes control to the dump exit in preparation for dumping the log stream data.

In the message text:

**command**

The SWITCH SMF or HALT SMF command that kicked off writing of SMF data to a log stream or streams.

**System action**

Processing continues. For some errors, the system issues accompanying system messages IFA718E, IFA719I, and IFA720I,

**Operator response**

If no error condition exists, do nothing. If an error condition exists, look at accompanying messages IFA718E, IFA719I, and IFA720I, for information about the problem and how to resolve it. For example, you might issue the SETSMF command to either

- Switch to a different log stream
- Switch to data set recording

**System programmer response**

None.

## Source

SMF

## Module

IFALSMOD

## Routing code

2,10

## Descriptor code

4,5

---

**IFA706I** ENFREQ SERVICE FAILED TO LISTEN FOR EVENT 48. RC=*rc*.

## Explanation

SMF failed to establish listening of ENF type 48 signal. SMF rejected initialization for recording to log stream and switched to recording to data set.

In the message text:

*rc*

The return code returned from the ENFREQ macro.

## System action

Processing continues

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

SMF

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

**IFA707I** SMF CANNOT CONNECT TO *name* REASON=*text*

## Explanation

SMF encountered an error when connecting to the named log stream or in-memory resource using the IXGCONN service.

In the message text:

**name**

The log stream name or the in-memory resource name specified in SMFPRMxx or in a SETSMF command.

**text**

One of the following reasons:

- LOGSTREAM NOT DEFINED
- UNEXPECTED ERROR, *rc* - *rsn*
- STAGING DATASET ERROR
- BAD STRUCTURE NAME
- LOGSTREAM DELETED
- LOGSTREAM CONNECT LIMIT REACHED
- BAD MODEL CONNECT
- SYSTEM LOGGER IS NOT AVAILABLE
- MAXIMUM WAIT OR RETRIES EXCEEDED, *rc* - *rsn*
- DATA LOSS, *rc* - *rsn*
- TOO MANY IN-MEMORY RESOURCES DEFINED
- THERE IS AN ACTIVE CONNECTION FOR THIS RESOURCE

See the system programmer response for descriptions of each reason.

**System action**

If the problem is resolved before SET SMF=xx or SETSMF processing completes, SMF automatically connects to the log stream.

If the problem was not resolved by the time SET SMF=xx or SETSMF processing completed and log stream recording was not activated, SMF continues with data set recording. If no MANx data sets are available, the SMF data is buffered until the buffer is full.

If log stream recording is in effect but SMF was not able to connect to the log stream, record types defined to be written to the log stream are written to the SMF buffer until the buffer is full.

Once the buffer is full, SMF data will be lost until the log stream becomes available or recording is switched to data set

**Operator response**

Contact the system programmer.

**System programmer response**

Issue the D SMF command to determine if the log stream connection was finally successful. If not, see the reason text to correct the problem. After that, issue the SET SMF=xx or the SETSMF command to establish the proper log stream recording environment again. If the problem with the log stream cannot be corrected, use the SET SMF=xx or the SETSMF command to ensure that all record types are designated to be written to available log streams, or switch to data set recording.

**LOGSTREAM NOT DEFINED**

Define the log stream (and corresponding coupling facility structure, if required) in the LOGR couple data set using the Administrative Data Utility (IXCMIAPU). See [Setting up and managing SMF recording to logstreams in z/OS MVS System Management Facilities \(SMF\)](#) and [Planning for system logger applications in z/OS MVS Setting Up a Sysplex](#).

**UNEXPECTED ERROR, *rc* - *rsn***

The IXGCONN service failed with reason and return code *rc/rsn*. See IXGCONN - Connect/disconnect to log stream in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to look up the IXGCONN return and reason code to determine the response to the problem.

**STAGING DATASET ERROR**

SMF will wait for notification (by the Event Notification Facility) that the log stream is ready and then will automatically try to use the log stream again.

**BAD STRUCTURE NAME**

The coupling facility structure name, defined for the log stream, is not correct. If the structure was not defined, use IXCMIAPU to define it in the CFRM couple data set. If the structure name is incorrect for the log stream definition in the LOGR couple data set, correct it in LOGR using IXCMIAPU. See [Administrative data utility in z/OS MVS Setting Up a Sysplex](#).

**LOGSTREAM DELETED**

The log stream that SMF is connecting to is in the process of being deleted. Specify a new log stream name in the SMFPRMxx parmlib member.

**LOGSTREAM CONNECT LIMIT REACHED**

The system has reached the limit for the maximum number of log streams that can be concurrently active. An MVS image may connect to a maximum of 4096 log streams concurrently. Either plan your workload to either consolidate log streams or balance system activity so that fewer log streams are needed in a given time period.

**BAD MODEL CONNECT**

The log stream specified in the SMFPRMxx parmlib member was defined in the LOGR couple data set as a model log stream (MODEL=YES). A model log stream is just for use as a model for other log stream definitions on the LIKE parameter. Change the log stream name in SMFPRMxx to one that is not defined as a model.

**SYSTEM LOGGER IS NOT AVAILABLE**

Either the system logger address space is not active, or it is not accepting requests for system logger services at this time.

**MAXIMUM WAIT OR RETRIES EXCEEDED, rc - rsn**

The IXGCONN service failed with reason and return code *rc - rsn*. After waiting for the problem to be resolved, SMF retried the operation but the error persisted. For more information about the problem, see IXGCONN return and reason codes in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to find the IXGCONN return and reason code.

**DATA LOSS, rc - rsn**

The IXGCONN service failed with reason and return code *rc - rsn*. This indicates that there may be log blocks permanently missing from the logstream. This is an unacceptable condition for SMF data recording. SMF disconnected from the logstream so the logstream can be repaired. To recover from this condition, the IXCMIAPU LOGR utility can be used to rename the failing log stream. IXGINVNT or IXCMIAPU can then be used to define a new log stream with the old name. In this way, the existing logstream name can be used to start logging again. When the logstream is available again, issue the SET SMF=xx command to reinstate SMF recording to the logstream. The IFASEXIT SMF exit can be used to dump the data from the logstream that is in the "data loss" state.

**SAF RESOURCE WAS NOT DEFINED**

There is no SAF resource defined to correspond to the in-memory resource. Define the SAF resource as instructed in [z/OS MVS Initialization and Tuning Reference](#).

**TOO MANY IN-MEMORY RESOURCES DEFINED**

The maximum allowed number of in-memory resources has already been reached. No additional in-memory resources can be defined.

**THERE IS AN ACTIVE CONNECTION FOR THIS RESOURCE**

An attempt was made to change the in-memory resource while there is still an active connection. Ensure that all users are disconnected, then attempt the change again.

**Source**

SMF

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

|                |   |
|----------------|---|
| <b>IFA708I</b> | <b>UNABLE TO CREATE DATASPACE FOR LOGSTREAM <i>logstream_name</i></b><br><b>RC=<i>rc-reas</i></b> |
|----------------|---|

---

## Explanation

While connecting to a log stream in response to a SET SMF command, the system could not create a data space for the specified log stream.

In the message text:

### ***logstream\_name***

The name of log stream specified in SMFPRMxx or in a SETSMF command.

### ***rc-reas***

The return and reason code from IXGCONN.

## System action

SMF rejects the SET SMF command.

## Operator response

Contact the system programmer.

## System programmer response

Look up the IXGCONN - Connect/disconnect to log stream in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to determine the response to the problem and then retry the SET SMF command.

## Source

SMF

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

|                |   |
|----------------|---|
| <b>IFA709I</b> | <b>UNABLE TO ADD <i>text</i> FOR LOGSTREAM <i>logstream_name</i>. RC=<i>rc-reas</i></b> |
|----------------|---|

---

## Explanation

While connecting to a log stream in response to a SET SMF command, SMF was unable to establish addressability to address space of the specified log stream. In the message text:

### **text**

*text* is one of the following:

#### **DU-AL**

SMF could not place an entry on the dispatchable unit access list, which prevented the ALET from being added.

#### **PASN-AL**

SMF could not place an entry on the primary address space access list, which prevented the ALET from being added.

### **logstream\_name**

The name of the log stream specified in SMFPRMxx or in a SETSMF command.

### **rc-reas**

The return and reason code from IXGCONN.

## System action

SMF cannot connect to the named log stream.

## Operator response

Contact the system programmer.

## System programmer response

Look up the IXGCONN - Connect/disconnect to log stream in *z/OS MVS Programming: Assembler Services Reference IAR-XCT* to determine the response to the problem. Correct the problem, and then try the SET SMF request again.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

**IFA710I****LOGSTREAM PARAMETERS WILL NOT BE USED DUE TO ERROR**

## Explanation

The system did not successfully complete the SET SMF command. One or more of the log stream parameters were not accepted, however, other parameters may still be accepted. When you resolve the problem, retry the SET SMF command request.

## System action

The system does not complete the SET SMF command. The system issues an accompanying message IFA707I with more information about the problem. When you resolve the problem, retry the SET SMF command request.

## Operator response

Contact the system programmer.

## System programmer response

Look at accompanying messages for more information about the problem and how to resolve it.

## Problem determination

Use D LOGGER,L,LSN=IFASMF.\* and D SMF commands to display the status of available log streams.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

**IFA711I****LOGSTREAM PARAMETERS ARE IN EFFECT**

## Explanation

The SET SMF command completed successfully, and SMF is now using the log stream parameters specified in the SMFPRMxx parmlib member.

## System action

The system continues processing

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

IFA712I

SEGMENTED RECORDS ARE NOT SUPPORTED

## Explanation

The system rejects a request to write SMF record longer than maximum record size of 32756 bytes. Segmented records are not supported on the current level of the system.

## System action

The system continues processing

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2,10

## Descriptor code

4

---

IFA713I

SMF DATA LOST  
*text*

## Explanation

SMF data has been lost for one of the reasons in the *text* variable. In the message text:

### *text*

*text* shows the following reasons that SMF data has been lost:

#### **TEMPORARY AREA IS FULL. TIME=hh.mm.ss**

During IPL, there was no SMF data set or log stream available for SMF recording, so the SMF buffer has been filled.

#### **NO BUFFER SPACE AVAILABLE. TIME=hh.mm.ss FOR LOGSTREAM *logstream\_name***

SMF has consumed all available SMF buffer space in the SMF address space.



**TIME=hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59)

**System action**

The system continues processing

**Operator response**

None.

**System programmer response**

Do one of the following:

**TEMPORARY AREA IS FULL.**

Define either SMF data sets or log streams for SMF recording.

**NO BUFFER SPACE AVAILABLE. TIME=hh.mm.ss FOR LOGSTREAM *logstream\_name***

The log stream has consumed all the buffer space and records are now being lost. Use the SETSMF command to switch to data set recording or repair the log stream.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10

**Descriptor code**

4

---

**IFA714I** *hh.mm.ss* SMF STATUS  
*text*

**Explanation**

In response to the DISPLAY SMF (D SMF) command, or when SMF logstream recording is activated as a result of a SET SMF=xx, or following SMF start up during IPL processing, the system displays the information about the SMF logstreams. In this situation, *text* has the following format:

| LOGSTREAM NAME          | BUFFERS       | STATUS         |
|-------------------------|---------------|----------------|
| <i>s-logstream name</i> | <i>nbytes</i> | <i>lstatus</i> |

In response to the DISPLAY SMF,M (D SMF,M) command, the system displays information about connections to each in-memory resource. In this situation, *text* has the following format:

|                       |   |
|-----------------------|---|
| IN MEMORY CONNECTIONS |   |
| Resource:             | IFASMF. <i>rname</i>                              |
| Con#:                 | <i>ccc</i> Connect Time: <i>yyyy.ddd hh:mm:ss</i> |
| ASID:                 | <i>asid</i>                                       |

In response to the DISPLAY SMF STATUS (D SMF,S) command, the system displays the information about SMF data sets and log streams status. In this situation, *text* has the following format:

| LOGSTREAM NAME          |        | BUFFERS        |            | STATUS         |  |
|-------------------------|--------|----------------|------------|----------------|--|
| <i>s-logstream name</i> |        | <i>nbytes</i>  |            | <i>lstatus</i> |  |
| NAME                    | VOLSER | SIZE(BLKS)     | %FULL      | STATUS         |  |
| <i>dsname volser</i>    |        | <i>blk per</i> | <i>per</i> | <i>status</i>  |  |
| <i>dsname volser</i>    |        | <i>blk per</i> | <i>per</i> | <i>status</i>  |  |

In response to the DISPLAY SMF WIC (D SMF,WIC) command, the system displays the information about SMF z/OS Workload Interaction Correlator. In this situation, *text* has the following format:

|   |   |    |       |         |         |         |   |   |   |
|---|---|----|-------|---------|---------|---------|---|---|---|
| SMF WIC STATUS                                    |   |    |       |         |         |         |   |   |   |
| SPECIFIED SMF PARAMETER: wicParmStatus            |   |    |       |         |         |         |   |   |   |
| WorkloadIntCorr PRODUCT FEATURE: wicFeatureStatus |   |    |       |         |         |         |   |   |   |
| ST  | K   | PG | #     | AS      | ROUTINE | VERSION | R | A | E |
| -----   |   |    |       |         |         |         |   |   |   |
| St  | k   | pg | NumAs | ExitRtn | ExitVer |         | R | A | E |
| lastCallTime                                      |   |    |       |         |         |         |   |   |   |
| ...   |   |    |       |         |         |         |   |   |   |
| KEY:  |   |    |       |         |         |         |   |   |   |
| ST  | - SUBTYPE NUMBER                          |    |       |         |         |         |   |   |   |
| K   | - BUFFERKEY VALUE                         |    |       |         |         |         |   |   |   |
| PG  | - NUM4KPAGES VALUE                        |    |       |         |         |         |   |   |   |
| # AS  | - NUMBER OF ADDRESS SPACES REGISTERED     |    |       |         |         |         |   |   |   |
| ROUTINE   | - EXIT ROUTINE NAME (CURRENT / PENDING)   |    |       |         |         |         |   |   |   |
| VERSION   | - EXIT ROUTINE VERSION (IN HEXADECIMAL)   |    |       |         |         |         |   |   |   |
| R   | - SMF PARAMETERS REQUEST SUBTYPE          |    |       |         |         |         |   |   |   |
| A   | - EXIT ROUTINE TO BE CALLED NEXT INTERVAL |    |       |         |         |         |   |   |   |
| E   | - ERROR ADDING EXIT ROUTINE               |    |       |         |         |         |   |   |   |
| LAST...   | - TIME EXIT ROUTINE LAST CALLED           |    |       |         |         |         |   |   |   |

On systems that do not support WIC, the following display is seen:

|                                  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|
| SMF WIC STATUS                   |  |  |  |  |  |  |  |  |  |
| WIC NOT SUPPORTED ON THIS SYSTEM |  |  |  |  |  |  |  |  |  |

In the message text:

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59)

**s**

One of the following indicators:

**A**

The system is actively using (or attempting to use) this log stream.

**C**

The system is no longer using this log stream, but is still cleaning up after removing this log stream from use.

**logstream name**

The name of the log stream being displayed.

**nbytes**

The amount of data collected into a log stream buffer in bytes

**lstatus**

The status for the log stream, which can be one of the following:

**Connected**

Indicates that SMF is connected to the log stream

**Disconnected**

Indicates that the log stream is disconnected from SMF

**rname**

The resource name of the in-memory resource.

**ccc**

The connection number of the connection to this in-memory resource.

**yyyy.ddd hh:mm:ss**

The Julian date and time of the connection to this in-memory resource.

**asid**

The address space ID that has a connection to this in-memory resource.

**dsname**

The name of the SMF data set being displayed.

**volser**

The volume serial number of the volume containing the SMF data set.

**blk**

The block size of a data set in blocks.

**per**

The percent full value for the SMF data set.

**status**

The status of the SMF data set, which can be one of the following:

**ACTIVE**

Indicates that the data set is now being used to record SMF data.

**ALTERNATE**

Indicates that the data set is available for use in recording SMF data.

**DUMP REQUIRED**

Indicates that the data set must be dumped before being used to record data.

**wicParmStatus**

WIC | NOWIC - Value specified for SMFPRMxx parameter.

**wicFeatureStatus**

Is one of the following:

**ENABLED**

The product registration policy (IFAPRDxx) for z/OS feature *WorkloadIntCorr* is enabled on the system. When SMF notices the feature is enabled, SMF assumes it remains enabled for the life of the IPL. SMF redrives checking if the feature is enabled at the top of the day and during certain SMF parameter updates. Perform a SETSMF WIC operation to cause SMF to recognize a product registration policy change to enable the *WorkloadIntCorr* feature.

**DISABLED**

The product registration policy for the z/OS feature *WorkloadIntCorr* is not recognized as enabled.

**St**

The subtype number for this status line.

**K**

The key of the shared buffer for this subtype. Can be 0, 8 or blank. A blank indicates a system subtype which does not have a shared buffer.

**pg**

The number of BUFFER4KPAGES specified on the IFAWIC request for this subtype. Blanks indicate a system subtype which does not have a shared buffer.

**NumAs**

Number of address spaces registered to collect data for the subtype number. Blanks indicate a system subtype that does not have a shared buffer.

**ExitRtn**

The name of the IFAWIC exit routine that processes shared buffers and generates SMF type 98 records.

When *st* is set to ' ', *ExitRtn* and *ExitVer* are not blanks, and the remaining fields are blank, *ExitRtn* represents the new exit routine name that is switched to as a result of an IFAWIC REQUEST=REGISTER. This exit routine is added during the next interval.

**ExitVer**

The version of the IFAWIC exit routine. Blanks indicate a system subtype that does not have a version.

When *st* is set to '-', *ExitRtn* and *ExitVer* are not blanks, and the remaining fields are blank. *ExitVer* represents the new exit routine version of the *ExitRtn* that is switched to as a result of an IFAWIC REQUEST=REGISTER. This exit routine is added during the next interval.

**R**

An indication of the SMF SYS or SUBSYS TYPE parameters specified to collect this subtype. When Y, subtype is requested to be collected. When N, subtype is not requested.

**A**

An indication as to whether the subtype's IFAWIC exit routine is called on the next 5 second interval. Value is set to Y when SMF parameter WIC is specified, SMF parameters indicate to collect the subtype, the *WorkloadIntCorr* product feature is enabled, and the IFAWIC exploiter is registered for this subtype. If any of these are not true, value is set to N.

Set to blank for subtype 1, which belongs to z/OS supervisor and is run every 5 seconds to gather data needed by other IFAWIC exit routines.

**E**

Set to Y if there is an error adding the exit routine, otherwise set to N.

**lastCallTime**

Last time the exit routine is called in *mm/dd/yyyy hh:mm:ss.nnn* format.

**System action**

The system continues processing

**Operator response**

None.

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

\*,2,10

**Descriptor code**

4, 5

---

**IFA715I**

**DEFAULTLSNAME AND LSNAME KEYWORDS USE THE SAME NAME  
LSNAME (logstream name) PARAMETER IS IGNORED**

**Explanation**

Scanning requested SMF parameters, LSNAME keyword was found with the same log stream name as in the DEFAULTLSNAME keyword. The system rejects a log stream configuration with a duplicated LSNAME keyword. In the message text:

***logstream sname***

The name of the log stream.

**System action**

The system continues processing

**Operator response**

None.

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

\*,2,10

**Descriptor code**

4,5

---

**IFA716I**

**THERE ARE NO RECORDS FOR DEFAULT LOGSTREAM TO COLLECT  
DEFAULTLSNAME (*logstream name*) PARAMETER IS IGNORED**

**Explanation**

Scanning the requested SMF parameters, the system found that no record types are assigned to the default log stream. The system ignores that default log stream.

In the message text:

***logstream sname***

The name of the log stream in the DEFAULTLSNAME parameter.

**System action**

The system continues processing

**Operator response**

None.

**System programmer response**

Exclude the duplicated LSNAME keyword from SMFPRMxx.

**Source**

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

|                |  |
|----------------|--|
| <b>IFA717I</b> | <b>LOGSTREAM ENVIRONMENT IS NOT USABLE BY SMF. DATA BEING<br/>BUFFERED TIME=hh.mm.ss</b> |
|----------------|--|

---

## Explanation

The message accompanies message IFA710I to explain why the system did not successfully complete the SET SMF command. In the message text:

**TIME=hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59)

## System action

The system continues processing. SMF data will be buffered into the SMF temporary buffer area. When the temporary buffer area is exhausted, traditional NOBUFFS processing will take control, and if NOBUFFS(MSG) is in effect, SMF data will be lost.

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

\*,2,10

## Descriptor code

4,5

---

|                |  |
|----------------|--|
| <b>IFA718E</b> | <b>resource UNAVAILABLE. RC=rc-reas DATA BEING BUFFERED.<br/>TIME=hh.mm.ss</b> |
|----------------|--|

---

## Explanation

The system failed to connect to a log stream because a *resource* (log stream or system logger) was unavailable. In the message text:

**resource**

The type of resource that was unavailable. *resource* may indicate SYSTEM LOGGER or it may indicate LOGSTREAM, followed by the name of the log stream that is unavailable.

**rc-reas**

The return and reason code from the IXGWRITE Logger write service or the IXGCONN Logger connect service. For details about these codes, see [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#).

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59)

**System action**

The system disconnects from either the system logger or the logstream, as indicated in the message. SMF data is being buffered.

**Operator response**

Contact the system programmer.

**System programmer response**

Refer to the return and reason codes for the IXGCONN logger connect service in [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) and resolve the system logger problem that led to the resource being unavailable. In some cases, SMF may be able to resume processing automatically once the problem is resolved. However, SMF cannot always detect when the problem is resolved, so it may be necessary to cause SMF to reconnect to the resource via a SET SMF=xx or SETSMF RECORDING(LOGSTREAM) command. The DISPLAY SMF,S command can be used to obtain status of SMF logstream recording.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10

**Descriptor code**

11

---

**IFA719I**

**LOGSTREAMS WERE DISCONNECTED AND BUFFERED DATA WERE  
LOST:amount of data BYTES IN logstream name**

**Explanation**

The system can not write out the displayed amount of buffered data because the specified log stream was disconnected. The data was lost.

In the message text:

**amount of data**

The amount of data, in bytes, that was lost.

**log stream name**

The name of the disconnected log stream.

**System action**

The system continues processing

**Operator response**

None.

**System programmer response**

Resolve the system logger problem that led to the disconnected log stream.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10

**Descriptor code**

4,5

---

**IFA720I****UNEXPECTED ABEND OF IFALS834, CC= *code*****Explanation**

The system encountered an abend and reason code of *code* while attempting to write out buffered data to a log stream.

**System action**

The system continues processing.

**Operator response**

Note the ABEND and reason code and notify the system programmer of the error.

**System programmer response**

See [z/OS MVS System Codes](#) and address the problem as indicated specific to the ABEND and reason code.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10



**Descriptor code**

4,5

---

|                |   |
|----------------|---|
| <b>IFA722I</b> | <b>LOGSTREAM lname HAS BEEN RECONNECTED</b> |
|----------------|---|

---

**Explanation**

SMF detected that Logger was restarted after having been unavailable. SMF attempted to reconnect to all of the logstreams. This message is issued for each successful logstream reconnect.

**System action**

The system continues processing.

**Operator response**

None.

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IFA723E</b> | <b>REQUESTED SMF BUFSIZMAX STORAGE AMOUNT <i>xxxxx</i> COULD NOT BE ALLOCATED, USING <i>yyyyy</i> OF STORAGE FOR SMF BUFFERS</b> |
|----------------|--|

---

**Explanation**

A GETMAIN request for SMF buffer storage failed.

In the message text:

*xxxxx*

The amount of storage request by the BUFSIZMAX parameter. In the format *dddU*.

*yyyyy*

The amount of storage that SMF is using for the buffers. In the format *dddU*.

Where *ddd* is a decimal number and *U* is a unit, either M for megabytes or G for gigabytes.

**System action**

The system continues processing with the reduced amount of SMF buffer storage.

## Operator response

None.

## System programmer response

Determine the cause of the GETMAIN failure and address the reason for the failure. If the reason can not be determined, contact the IBM support center.

## Source

System management facilities (SMF)

## Module

IEEMB822, IFASMF

## Routing code

1/\*

## Descriptor code

2

---

IFA724E

UNABLE TO WRITE TO LOGSTREAM *l*sname. DATA CURRENTLY BEING  
BUFFERED. IXGWRITE RC=*rc-reas*. TIME=*hh.mm.ss*

## Explanation

The system failed to write to a log stream because the logstream was unavailable. In the message text:

### ***l*sname**

The log stream that is unavailable.

### ***rc-reas***

The return and reason code from the IXGWRITE Logger write service. For details about these codes, see [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#).

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59)

## System action

The system will periodically attempt to write to the log stream. SMF data for that log stream will be buffered until the log stream is available again. At that time, the buffered data will be written and processing will resume normally.

## Operator response

Contact the system programmer.

## System programmer response

Refer to the return and reason codes for the IXGWRITE logger write service in [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#). It may be necessary to take manual action to resolve the problem that led to the log stream being unavailable. The system will stay connected to the log stream and will automatically begin writing the buffered data when the log stream is available again.

## Source

System management facilities (SMF)

## Module

IFALS834

## Routing code

2,10

## Descriptor code

11

---

**IFA730E**

**COMPRESSION FAILED FOR SMF LOGSTREAM *smf\_log\_stream\_name*  
DIAGNOSTIC INFORMATION *diag1 diag2 diag3 diag4***

## Explanation

SMF failed to compress SMF records before writing to SMF logstream *smf\_log\_stream\_name* because of one of the following reasons:

- SMF failed to access the zEDC Express feature because the hardware was not available.
- SMF encountered an error compressing SMF records and is no longer compressing data for SMF logstream *smf\_log\_stream\_name*.

In the message text:

***smf\_log\_stream\_name***

The name of the log stream.

***diag1 diag2 diag3 diag4***

Diagnostic information for the IBM Support Center.

## System action

The system continues processing. SMF continues to use SMF logstream *smf\_log\_stream\_name*, but without compression.

## Operator response

Contact the system programmer.

## System programmer response

If you want SMF to compress the SMF records, do the following:

- Ensure that the zEDC Express feature is configured correctly.
- Once the zEDC Express feature is configured correctly, to restart a failed zEDC session, issue either of the following commands:
  - SETSMF RECORDING(LOGSTREAM)
  - SET SMF=xx where xx is the SMFPRMxx member that specifies LSNAME with the COMPRESS option

Once SMF can successfully write compressed data, SMF will issue message IFA731I.

- If the problem persists, search the problem reporting databases for a fix to the problem. If a fix does not exist, contact the IBM Support Center.

If you do not want SMF compression of records, set the SMF log stream configuration to NOCOMPRESS to prevent this message from being issued.

## Source

## System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2,10

### Descriptor code

3

**IFA731I**                      **COMPRESSION ACTIVE FOR SMF LOGSTREAM** *smf\_log\_stream\_name*

### Explanation

SMF is compressing data before writing to SMF logstream *smf\_log\_stream\_name*.

In the message text:

***smf\_log\_stream\_name***

The name of the log stream.

### System action

The system continues processing.

## Operator response

None.

## System programmer response

None.

## Source

### System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2

### Descriptor code

4

|         |  |
|---------|--|
| IFA740E | UNABLE TO PERFORM SMF SIGNATURE GENERATION<br>FOR LSNAME <i>lsname</i> |
|---------|--|

### ***reason***

## **Explanation**

SMF has detected a failure that prevents signature generation. Please see accompanying message IFA743I for further diagnostic information. In the message text:

### ***lsname***

The name of the log stream in error.

### ***reason***

Is one of the following:

- ICSF NOT AVAILABLE
- RECSIGN OPTIONS ARE INCOMPATIBLE
- UNEXPECTED ERROR IN SMF SIGNATURE PROCESSING
- ARECSIGN OPTIONS ARE INCOMPATIBLE
- ARECSIGN CRYPTOGRAPHYOPTIONS ARE NOT SUPPORTED

## **System action**

SMF will not generate signatures until a SETSMF or SET SMF command is issued to correct the error. ICSF must be active in order to generate signatures. Signature generation will continue with the next record written to the named log stream after the SETSMF or SET SMF command.

## **Operator response**

Notify the system programmer.

## **System programmer response**

Issue a SETSMF or SET SMF command to correct the error. The message remains outstanding until corrective action is taken and a record is written to the log stream named in the message.

This is a list of possible causes for this message:

- When *reason* is ICSF NOT AVAILABLE, ICSF is not active.
- When *reason* is RECSIGN OPTIONS ARE INCOMPATIBLE or ARECSIGN OPTIONS ARE INCOMPATIBLE, the combination of HASH, SIGNATURE, and TOKENNAME values are not compatible with each other. For example, SIGNATURE(RSA) is specified with a TOKENNAME that refers to an ECDSA token. This can also indicate a token that is not supported by SMF. For example, SIGNATURE(LI2) is specified with a TOKENNAME that does not refer to a Dilithium(6,5) Round 2, Dilithium(6,5) Round 3, Dilithium(8,7) Round 2, or Dilithium(8,7) Round 3 token.
- When *reason* is ARECSIGN CRYPTOGRAPHY OPTIONS ARE NOT SUPPORTED, the current level of ICSF does not support the requested signature method.
- When *reason* is UNEXPECTED ERROR IN SMF SIGNATURE PROCESSING, search problem reporting databases for a fix for the problem. If no fix exists, capture the dump and report the problem to the IBM support center.

## **Source**

System management facilities (SMF)

## **Module**

IFALS834

## Routing code

2, 10

## Descriptor code

3

---

**IFA741I****UNABLE TO PERFORM SMF SIGNATURE VALIDATION**

---

## Explanation

IFASMFDP has detected a failure that prevents signature validation. Please see accompanying message IFA744I for further diagnostic information.

## System action

IFASMFDP fails with return code 8.

## Operator response

Notify the system programmer.

## System programmer response

See accompanying message IFA744I for further diagnostic information.

## Source

System management facilities (SMF)

## Module

IFASMFDP

## Routing code

2, 10

## Descriptor code

4

---

**IFA742I****SMF SIGNATURE VALIDATION FAILED DUE TO  
*reason***

---

## Explanation

IFASMFDP SYSIN parameters SIGVALIDATE or ASIGVALIDATE were specified and signature validation failed. In the message text, *reason* indicates the cause of error:

- CRYPTOGRAPHY FAILURE - ICSF RC/RSN=*rc/rsn*
- ASIGVALIDATE CRYPTOGRAPHY FAILURE - OPTIONS ARE NOT SUPPORTED
- INCONSISTENT RECORDS - RECORDS DO NOT MATCH EXPECTED COUNTS
- INCONSISTENT RECORDS - RECORDS DO NOT MATCH EXPECTED TIMES
- INCONSISTENT RECORDS - FIRST FLAG DOES NOT MATCH
- RECORDED AND SUPPLIED CRYPTO OPTIONS DO NOT MATCH
- MISSING RECORDS - STARTING INTERVAL

- MISSING RECORDS - ENDING INTERVAL
- INCOMPLETE VALIDATION - ENDED WITH PARTIAL INTERVAL
- UNEXPECTED ERROR

### System action

IFASMFDP fails with return code of 8.

### Operator response

Notify the system programmer.

### System programmer response

When *reason* indicates ASIGVALIDATE CRYPTOGRAPHY FAILURE – OPTIONS ARE NOT SUPPORTED, this may indicate that the current level of ICSF does not support the signature method associated with the data being validated. Verify that the proper level of ICSF is active and retry validation, or remove the ASIGVALIDATE parameter from the IFASMFDP input parameters.

When *reason* indicates CRYPTOGRAPHY FAILURE, also see message IFA744I.

In all cases, if you need to dump the records, you can remove SIGVALIDATE (and ASIGVALIDATE, if it was specified) or specify NOSIGVALIDATE and NOASIGVALIDATE and run the IFASMFDP program again to dump the records.

Note that once SMF data is dumped from the log stream to a data set, records must not be added, deleted, sorted, or changed in any way prior to validation. Adding, deleting, changing, or sorting records will result in SMF digital signature validation failures.

### Source

System management facilities (SMF)

### Module

IFASMFDP

### Routing code

2,10

### Descriptor code

4

|         |   |
|---------|---|
| IFA743I | SMF SIGNATURE RECORD GENERATION FAILURE DIAGNOSTIC<br>INFORMATION<br>TOKENNAME <i>token name</i><br>HASH <i>hash type</i> SERVICE NAME <i>service</i><br>RC= <i>return code</i> RSN= <i>reason code</i> |
|---------|---|

### Explanation

This message accompanies IFA740E. In the message text:

- token name***  
The token name being used or N/A if token name not yet set.
- hash type***  
The hashing technique used or N/A if hash technique not yet set.

**service**

The ICSF service name or N/A if reason in IFA740E is UNEXPECTED ERROR IN SMF SIGNATURE PROCESSING.

**return code**

The return code from the ICSF service that failed or N/A if reason in IFA740E is UNEXPECTED ERROR IN SMF SIGNATURE PROCESSING.

**reason code**

The reason code from the ICSF service that failed or N/A if reason in IFA740E is UNEXPECTED ERROR IN SMF SIGNATURE PROCESSING.

**System action**

None.

**Operator response**

Notify the system programmer.

**System programmer response**

Use the service name, return, and reason codes to determine the source of the problem.

**Source**

System management facilities (SMF)

**Module**

IFALS834

**Routing code**

2, 10

**Descriptor code**

4

|         |   |
|---------|---|
| IFA744I | SMF SIGNATURE VALIDATION FAILURE DIAGNOSTIC INFORMATION<br>RECORD IN ERROR <i>header</i><br>TOKENNAME <i>tokenname</i><br>HASH <i>hash type</i> SERVICE NAME <i>service</i><br>RC= <i>return code</i> RSN= <i>reason code</i> |
|---------|---|

**Explanation**

This message accompanies IFA741I and IFA742I if the reason is CRYPTOGRAPHY FAILURE. In the message text,

**record 1**

The header of the record in error.

**tokenname**

The token name being used.

**hash type**

The hashing technique used.

**service**

The ICSF service name.



**return code**

The return code from the service that failed.

**reason code**

The reason code from the service that failed.

**System action**

None.

**Operator response**

Notify the system programmer.

**System programmer response**

Use the service name, return, and reason codes to determine the source of the problem.

**Source**

System management facilities (SMF)

**Module**

IFASMFDP

**Routing code**

2, 10

**Descriptor code**

4

---

**IFA745I**

---

**SMF CANNOT PERFORM SIGNATURE RECORD VALIDATION ON MANX  
DATASETS****Explanation**

SIGVALIDATE(YES) was specified on IFASMFDP and the input DD specified a MANX data set.

**System action**

IFASMFDP fails with return code of 8.

**Operator response**

Notify the system programmer.

**System programmer response**

Change the input DD to specify a log stream to be dumped instead of a MANX data set.

**Source**

System management facilities (SMF)

## Module

IFASMFDP

## Routing code

2, 10

## Descriptor code

4

---

**IFA746E**

**MINIMUM MAXBUFSIZE OF LOGSTREAM *lname*  
MUST BE AT LEAST 65532 FOR SIGNATURE GENERATION**

## Explanation

While processing a SET SMF command, the system found that the named log stream had a log block MAXBUFSIZE defined in the LOGR couple data set that was less than the minimum of 65532, which is required for digital signature generation. This log stream is unable to generate digital signatures for the records which it is collecting.

In the message text:

### ***lname***

The name of the log stream with the incorrect MAXBUFSIZE defined in the LOGR couple data set.

## System action

SMF will not generate signatures until the MAXBUFSIZE defined in the LOGR couple data set is corrected and a SET SMF command is re-issued to remove and subsequently add the log stream back into the configuration. This message will be outstanding until this corrective action is taken.

## Operator response

Notify the system programmer.

## System programmer response

Use the Administrative Data Utility (IXCMIAPU) to define a MAXBUFSIZE for the log stream in the LOGR couple data set of at least 65532. Next, reissue the SET SMF command. See [LOGR keywords and parameters for the administrative data utility in z/OS MVS Setting Up a Sysplex](#).

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2, 10

## Descriptor code

3

**Explanation**

SIGVALIDATE(YES) was included in the parameters for IFASMFDP and the data set being validated contains data with more than one system ID (SID). In this case, the parameters for IFASMFDP do not specify a single SID to be validated.

**System action**

IFASMFDP fails with return code of 8.

**Operator response**

Notify the system programmer.

**System programmer response**

Change the IFASMFDP parameters to specify a single SID.

**Source**

System management facilities (SMF)

**Module**

IFASMFDP

**Routing code:**

N/A

**Descriptor code**

N/A

**Explanation**

While processing an SMFPRMxx parmlib member or SETSMF command, the system found that ARECSIGN digital signature processing was requested for the named log stream, but RECSIGN digital signature processing was not also specified. SMF is unable to generate digital signatures using only an ARECSIGN signature method. Digital signatures will not be generated for the log stream.

In the message text:

***lsname***

The name of the log stream.

**System action**

SMF will not generate signatures for the named log stream.

**Operator response**

Notify the system programmer.

## System programmer response

Take one of the following actions:

- Specify a primary digital signature method using the RECSIGN keyword.
- Remove the ARECSIGN alternate digital signature method.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2, 10

## Descriptor code

3

---

IFA750I

UNABLE TO ATTACH IFAHFTSK

## Explanation

An error was encountered when the high frequency throughput statistics (HFTS) task IFAHFTSK was attached by the SMF main task. IFAHFTSK is not attached.

## System action

The HFTS task cannot be attached. Any SMF HFTS recording, if requested, cannot be initiated.

## Operator response

Notify the system programmer.

## System programmer response

Search the problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

System management facilities (SMF)

## Module

IFASMF

## Routing code

2, 10

## Descriptor code

4

**Explanation**

An SMF function has encountered an error.

In the message text:

***function***

The SMF function that encountered an error.

***service***

The service associated with the function that failed.

***request***

The request of the service that encountered the error.

***retcode***

The return code from the service.

***rsncode***

The reason code from the service.

**System action**

For a function of HFTS (High Frequency Throughput Statistics), and a service of CSVDYNEX:

If the request was ADD, the exit routine will not get control.

If the request was QUERY, the states of the exit routines associated with this exit are the same as they were before the QUERY failure.

For all other requests, the exit routines associated with this exit no longer get control.

**Operator response**

Notify the system programmer.

**System programmer response**

Search the problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source**

System management facilities (SMF)

**Module**

IFAHFTSK

**Routing code**

2, 10

**Descriptor code**

4

## Explanation

A SET SMF=xx or SETSMF command was issued to change an option that cannot be changed dynamically after SMF initialization. In the message text:

xxxxxx

The option that cannot be changed dynamically.

## System action

The system continues processing the SETSMF or SET SMF=xx command without updating the referenced suboption.

## Operator response

None.

## System programmer response

If this option needs to be changed, then SMF needs to be restarted with the update made to the SMFPRMxx parmlib member that SMF will be restarted with.

## Source

System management facilities (SMF)

## Module

IEEMB821

## Routing code

2, 10

## Descriptor code

4, 5

---

IFA761I

SUBOPTION 'xxxxxx' CANNOT BE CHANGED DYNAMICALLY

## Explanation

A SET SMF=xx or SETSMF command was issued to change a suboption that cannot be changed dynamically after SMF initialization. In the message text:

xxxxxx

The suboption that cannot be changed.

## System action

The system continues processing the SETSMF or SET SMF=xx command without updating the referenced suboption.

## Operator response

None.

## System programmer response

If this option needs to be changed, then SMF needs to be restarted with the update made to the SMFPRMxx parmlib member that SMF will be restarted with.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

2, 10

## Descriptor code

4, 5

---

|                |   |
|----------------|---|
| <b>IFA762A</b> | <b>Error Expanding Data Space for logstream xxxxxx, RC=xx,<br/>RSN=xxxxxxxx</b> |
|----------------|---|

## Explanation

A SET command was issued to change a DSPSIZMAX value; however, an error occurred when calling DSPSERV EXTEND for the data space. In the message text:

**xxxxxx**

The log stream associated with the data space.

## System action

The system continues processing using the previous value for DSPSIZMAX.

## Operator response

None.

## System programmer response

See the return code and reason code for DSPSERV EXTEND in [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#).

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

1

## Descriptor code

2

---

IFA780A

SMF RECORD FLOOD MSG FILTER FOR TYPE *xx* EXCEEDED AT  
TIME=*hh.mm.ss*

## Explanation

This message is issued when an SMF record flood is triggered and the action for the flood filter is MSG processing.

In the message text:

***xx***

The record type.

***hh.mm.ss***

The time that the flood began.

## System action

The system continues processing SMF records.

## Operator response

Contact the system programmer.

## System programmer response

Address the reason that is causing the flood in SMF data.

## Problem determination

Look in [z/OS MVS System Management Facilities \(SMF\)](#) to find which components are responsible for the flood of records. A sample of the data from this time period might need to be used as well to help determine the source of the flood. Investigate the problem with that component.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

1

## Descriptor code

2

---

IFA781I

SMF RECORD FLOOD MSG FILTER FOR TYPE *xx* RETURNED TO NORMAL  
AT TIME=*hh.mm.ss*

## Explanation

This message is issued when an SMF record flood has ended.



In the message text:

**xx**

The record type.

**hh.mm.ss**

The time that the flood began.

### System action

The system continues processing SMF records. Message IFA780A will be deleted from the display consoles.

### Operator response

None.

### System programmer response

None.

### Problem determination

None.

### Source

System management facilities (SMF)

### Module

IFALSMOD

### Routing code

11

### Descriptor code

-

---

**IFA782A**

**SMF RECORD FLOOD DROP FILTER FOR TYPE xx EXCEEDED AT  
TIME=hh.mm.ss**

### Explanation

This message is issued when a flood is triggered and the action for the flood filter is DROP processing.

In the message text:

**xx**

The record type.

**hh.mm.ss**

The time that the flood began.

### System action

The system stops accepting SMF records of the types that are covered by the specified policy name.

## Operator response

Contact the system programmer.

## System programmer response

Address the reason that is causing the flood in SMF data. No SMF records of the given types will be written until the flood subsides.

## Problem determination

Look in *z/OS MVS System Management Facilities (SMF)* to find which components are responsible for the flood of records. A sample of the data from this time period might need to be used as well to help determine the source of the flood. Investigate the problem with that component.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

1

## Descriptor code

2

---

IFA783I

SMF RECORD FLOOD DROP FILTER FOR TYPE *xx* RETURNED TO  
NORMAL AT TIME=*hh.mm.ss*, RECORDS DROPPED=*yyyyyyyy*

## Explanation

This message is issued when a DROP filter has detected the end of a flood.

In the message text:

***xx***

The record type.

***hh.mm.ss***

The time that the flood began.

***yyyyyyyy***

The number of records dropped.

## System action

The system begins processing SMF records again of types covered in the filter. Message IFA782A will be deleted from the display consoles.

## Operator response

Contact the system programmer.

## System programmer response

Address the reason that is causing the flood in the SMF data.

**Problem determination**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

11

**Descriptor code**

-

---

**IFA784I****SMF RECORD FLOOD FACILITY DISABLED DUE TO ERRORS****Explanation**

This message is issued when repeated errors occurred during SMF record flood facility processing.

**System action**

The system disables the SMF record flood facility and continues processing SMF records.

**Operator response**

Contact the system programmer.

**System programmer response**

Try to rebuild the SMF record flood facility structures using the SET SMF=xx command. If the error reoccurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Problem determination**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

11

**Descriptor code**

-

---

**IFA785E****SMF HAS USED *nn*% OF AVAILABLE BUFFER SPACE FOR LOGSTREAM  
*lsname*****Explanation**

This message is issued when *nn* percent of a given data space for SMF log stream name *lsname* has been filled with SMF buffers.

In the message text:

***nn***

The percentage of buffers that are used.

***lsname***

The log stream associated with the data space that is experiencing the shortage.

**System action**

The system continues processing SMF records. When the usage drops below *nn*%, this message will be deleted from the display consoles.

**Operator response**

Contact the system programmer.

**System programmer response**

Address the reason that is causing the high buffer usage.

**Problem determination**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

2,10

**Descriptor code**

11

---

**IFA786W****SMF DATA LOST - NO BUFFER SPACE AVAILABLE TIME=*hh.mm.ss* FOR  
LOGSTREAM *lsname*****Explanation**

This message is issued when no buffers are available for a given SMF log stream and the NOBUFFS(MSG) action is specified.

In the message text:

***hh.mm.ss***

The time that the buffer shortage began.

***lsname***

The log stream associated with the data space that is experiencing the shortage.

**System action**

The system continues processing. SMF records have been lost and more might be lost until SMF can write the buffered records to the SMF log stream.

**Operator response**

Contact the system programmer. Check on the SMF log stream specified in the message and see if it is connected using the DISPLAY SMF command.

**System programmer response**

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Problem determination**

None.

**Source**

System management facilities (SMF)

**Module**

IFALSMOD

**Routing code**

1

**Descriptor code**

2

---

**IFA787E****WAIT STATE 'D0D-02'X - NO SMF BUFFERS FOR *lsname*****Explanation**

This message is issued when no more buffers are available for a given log stream and the NOBUFFS(HALT) option was specified.

In the message text:

***lsname***

The log stream associated with the data space that is experiencing the shortage. *lsname* can be either a log stream name or TEMPAREA if the temporary buffer area is exhausted.

**System action**

The system enters restartable wait state X'D0D', with reason code 02, as specified by the NOBUFFS(HALT) parmlib option.

**Operator response**

See the operator response for wait state code D0D.

## System programmer response

None.

## Problem determination

None.

## Source

System management facilities (SMF)

## Module

IFALSMOD

## Routing code

Note 12.

## Descriptor code

-

---

**IFA788I**

**UNSUPPORTED OPTION SPECIFIED xxxxxxxx**

## Explanation

This message is issued when an unsupported keyword is specified in the SMFPRMxx member. These keywords include the following:

- FLOOD
- FLOODPOL
- DSPSIZMAX
- ARECSIGN or NOARECSIGN, as a global option or suboption on LSNAME or DEFAULTLSNAME
- BUFUSEMAX as a suboption on LSNAME or DEFAULTLSNAME
- NOBUFFS as a suboption on LSNAME or DEFAULTLSNAME
- DSPSIZMAX as a suboption on LSNAME or DEFAULTLSNAME
- A subtype specification on LSNAME
- COMPRESS
- PERMFX
- RECSIGN
- HASH
- TOKENNAME
- SIGNATURE
- RESSIZMAX, as a suboption on LSNAME
- A subtype specification on INMEM
- HFTSINTVL
- USER4 as a suboption on SMFDLEXIT and SMFDPEXIT
- USER5 as a suboption on SMFDLEXIT and SMFDPEXIT

In the message text:

xxxxxxx

The unsupported option or sub-option.

## System action

The system continues processing the SMFPRMxx member. Unsupported options will be bypassed. For unsupported sub-options, the main option will be processed without the unsupported sub-option.

## Operator response

None.

## System programmer response

None.

## Problem determination

None.

## Source

System management facilities (SMF)

## Module

IEEMB832, IFALSMOD

## Routing code

11

## Descriptor code

if

n/a

---

IFA790I

LOGGER SUBSYSTEM (*ssname*) EXIT SYSTEM  
LOGGER SERVICE ERROR DD=*ddname*  
EXIT=*exitname* FUNCTION=*function*  
SERVICE=*service*  
RETCODE=*retcode* RSNCODE=*rsncode*  
ANSDIAG=*diag1,diag2,diag3,diag4*

## Explanation

The system logger subsystem (LOGR) exit function for SMF encountered an error condition from one of the system logger services.

In the message text:

### ***ssname***

The logger subsystem name.

### ***ddname***

One of the following:

- The name of the DD JCL statement.
- Equivalent dynamic allocation DD name.
- Blanks for a concatenated DD.

**exitname**

The name of exit, IFASEXIT.

**function**

The function, which is one of the following:

- OPEN
- GET
- CLOSE
- UNALLOCATION

**service**

The service being used at the time of the error. One of the following:

- IXGCONN - System logger connect operation.
- IXGBRWSE - System logger browse operation.
- ZEDC - zEDC software operation.
- ZLIB - zlib compression operation.

**retcode**

The return code for the error.

**rsncode**

The reason code for the error.

**diagx**

Diagnostic fields 1-4 from the IXGANSAA data area.

**System action**

The system continues processing.

**Operator response**

Contact the system programmer.

**System programmer response**

If the service is IXGCONN or IXGBRWSE, see [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for information about the system logger service in use at the time of the error, including the return and reason codes displayed in the message. Check the SUBSYS= keyword specified in the JCL for the LOGR subsystem and if necessary, correct any errors and resubmit the job.

If the service name is ZEDC, the error occurred because the NSI parameter was specified and the zEDC Express feature was unavailable. Remove the NSI keyword and re-run the job, or run the job on a system that has the zEDC Express feature configured.

If the service name is ZLIB, ensure that the system is properly configured to use zlib. This error is most likely due to lack of access to the SAF FACILITY resource class FPZ.ACCELERATOR.COMPRESSION.

For more information on using ZLIB, refer to [Invoking unauthorized interfaces for zEnterprise Data Compression](#) in [z/OS MVS Programming: Callable Services for High-Level Languages](#).

If the problem persists, search problem reporting databases for a fix to the problem. If no fix exists, contact the IBM Support Center.

**Source**

System management facilities (SMF)



## Module

IFASEXIT

## Routing code

11

## Descriptor code

6

---

|                |  |
|----------------|--|
| <b>IFA791I</b> | <b>LOGGER SUBSYSTEM (<i>ssname</i>) EXIT ENCOUNTERED POSSIBLE<br/>LOSS OF DATA DD=<i>ddname</i> LOGSTREAM=<i>lsname</i> EXIT=<i>exitname</i><br/>SERVICE=<i>service</i> RSNCODE=<i>rsncode</i></b> |
|----------------|--|

---

## Explanation

The system logger subsystem (LOGR) exit function for SMF encountered an error condition from the system logger service displayed in the message.

In the message text:

### ***ssname***

The logger subsystem name.

### ***ddname***

One of the following:

- The name of the DD JCL statement.
- Equivalent dynamic allocation DD name.
- Blanks for a concatenated DD.

### ***lsname***

The log stream name.

### ***exitname***

The name of exit, IFASEXIT.

### ***service***

The system logger service being used at the time of the error, such as IXGCONN or IXGBRWSE, for example.

### ***rsncode***

The reason code for the error.

## System action

The system continues processing.

## System programmer response

When using the records returned from this log stream, take into account this possible loss of data condition.

See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for information about the system logger service in use at the time of the error, including the reason code displayed in the message.

If the problem persists, search problem reporting databases for a fix to the problem. If no fix exists, contact the IBM Support Center.

## Source

System management facilities (SMF)

## Module

IFASEXIT

## Routing code

11

## Descriptor code

6

---

**IFA792I**

**SUBSYS OPTIONS FAILED VALIDATION - *option***

---

## Explanation

The system logger subsystem (LOGR) exit function for SMF encountered an error in the option displayed in the message.

In the message text:

### ***option***

The SUBSYS option where the LOGR subsystem encountered an error.

## System action

The system continues processing.

## System programmer response

Check the SUBSYS options you specified in the JCL for the LOGR subsystem and if necessary, correct the problem and resubmit the job.

If the problem persists, search problem reporting databases for a fix to the problem. If no fix exists, contact the IBM Support Center.

## Source

System management facilities (SMF)

## Module

IFASEXIT

## Routing code

11

## Descriptor code

6

---

**IFA812I**

**PROGRAMMING ERROR. IFASMF DL REQUEST INCORRECT FOR LOGSTREAM *logstream\_name*. POSSIBLE BAD PARAMETER – BLOCKLEN. RC=*rc-reas*.**

---

## Explanation

The system encountered a problem while dumping SMF data from the named log stream. The MAXBUFSIZE parameter defined for the log stream in the LOGR couple data set is less than the length of the SMF record found when the system issued the IXGBRWSE service during dump processing.

In the message text:

***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

***rc-reas***

The return and reason code from the IXGBRWSE service. When *rc-reas* is 08-0804, the problem may be that a DATE and/or TIME parameter was specified for a time before the log stream was created.

**System action**

The system does not complete the dump of the log stream SMF data.

**Operator response**

Contact the system programmer.

**System programmer response**

Look up the IXGBRWSE return and reason codes in *z/OS MVS Programming: Assembler Services Reference IAR-XCT* to determine the response to the problem. Correct the problem, and then try the dump request again.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA813I**

**ENVIRONMENT ERROR FOR LOGSTREAM *logstream\_name*. XES  
SERVICE SEVERE ERROR HAS OCCURRED WITH RC=*rc-reas*.**

**Explanation**

SMF encountered a problem while connecting to the named structure while processing a dump of SMF data from the log stream. The problem is either:

- An incorrect structure name was specified for the structure on the dump request.
- The structure failed at the time of the dump.

In the message text:

***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

***rc-reas***

The return and reason code from the IXGBRWSE service.

**System action**

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Look up the IXGBRWSE return and reason codes in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to determine the response to the problem. Correct the problem, and then try the dump request again.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA814I

**SYSTEM ERROR. LOGSTREAM *logstream\_name* IS NOT ACCESSIBLE  
DUE TO LACK OF AUTHORITY OR SYSTEM LIMITS. RC=*rc-reas*.**

## Explanation

SMF encountered a problem while connecting to the named structure while processing a dump of SMF data from the log stream. The problem might be:

- Severe dynamic allocation error
- The log stream is in the process of being deleted
- The system is already connected to the maximum number of log streams
- System logger does not have access authority to the coupling facility structure assigned to the log stream
- There is no LOGR couple data set available

In the message text:

### ***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

### ***rc-reas***

The return and reason code from the IXGBRWSE service.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Look up the IXGBRWSE return and reason codes in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to determine the response to the problem. Correct the problem, and then try the dump request again.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA815I | INSTALLATION ERROR FOR LOGSTREAM <i>logstream_name</i> . LOGSTREAM IS UNAVAILABLE CAUSED BY RC= <i>rc-reas</i> . |
|---------|--|

## Explanation

SMF encountered a problem while connecting to the named structure while processing a dump of SMF data from the log stream.

In the message text:

### ***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

### ***rc-reas***

The return and reason code from the IXGBRWSE service.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Look up the IXGBRWSE return and reason codes in [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) to determine the response to the problem. Correct the problem, and then try the dump request again.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

**Explanation**

SMF could not complete the processing of a dump of SMF data from the log stream, because the system logger address space is not up and running.

**System action**

The system does not complete the dump of the log stream SMF data.

**System programmer response**

Ensure that the system logger address space is up and running and then retry the SMF dump request from the log stream.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

**Explanation**

SMF could not complete processing of a DUMP, DELETE, or ARCHIVE of SMF data from the log stream because the log stream is empty and has never contained data.

**System action**

SMF dump processing continues, but no further processing is performed on the empty logstream.

**Operator response**

Contact the system programmer.

**System programmer response**

Ensure that the log stream name for which the operation is being requested is correct. If it is, determine why the logstream is empty; otherwise, alter the logstream name to the correct one and rerun the job.

**Source**

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA818I** LOGSTREAM *logstream\_name* DISCONNECTED. RC=*rc-reas*.

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it is no longer connected to the log stream.

In the message text:

### ***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

### ***rc-reas***

The return and reason code from the IXGBRWSE service.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Look in the IXGBRWSE return and reason codes in *z/OS MVS Programming: Assembler Services Reference IAR-XCT* to determine a response to the problem. Make sure that the system is reconnected to the log stream before retrying the dump request.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA819I** ERROR CAUSED BY AN UNEXPECTED REASON FOR LOGSTREAM *logstream\_name*. RC=*rc-reas*.

## Explanation

SMF encountered an unexpected problem and could not complete processing of a dump of SMF data from the log stream.

In the message text:

### ***logstream\_name***

The name of log stream specified in the dump request (exit IEFU29L or IFASMF DL dump program).

### ***rc-reas***

The return and reason code from the Logger (IXG) type service.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

To determine a response to the problem, look up the return and reason codes in the IXGCON map in *z/OS MVS Data Areas* in the *z/OS Internet library* ([www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary](http://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary)). Make sure that the system is reconnected to the log stream before retrying the dump request.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

|         |  |
|---------|--|
| IFA820I | CLEAR OPTION IS NOT SUPPORTED IN CURRENT VERSION OF IFASMF DL. |
|---------|--|

## Explanation

The request to dump SMF data from a log stream was specified with the CLEAR option. The SMF log stream dump program (IFASMF DL) does not allow the CLEAR option. (The IFASMF DP dump program for data in SMF data sets supports the CLEAR option to delete data from the SMF data sets.)

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.



## System programmer response

You cannot clear (reset and reformat) a log stream as you can an SMF data set. In order to empty a log stream of data, you must either:

- use the ARCHIVE or DELETE option in IFASMF DL to selectively delete data from the log stream. For more information about the use of the ARCHIVE or DELETE option in IFASMF DL, see [Using the SMF dump programs in z/OS MVS System Management Facilities \(SMF\)](#).
- delete and then redefine a log stream in the LOGR couple data set. See [Deleting log data and log data sets in z/OS MVS Setting Up a Sysplex](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA821I

STRUCTURE NAME IS NOT DEFINED IN THE CFRM POLICY.

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. The coupling facility structure for the log stream specified is not defined in the CFRM coupling data set.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Ensure that the coupling facility structure for the specified dump is defined in the CFRM couple data set. See CFRM parameters for administrative data utility in [z/OS MVS Setting Up a Sysplex](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA822I****NO SUITABLE COUPLING FACILITY IS AVAILABLE.**

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. System logger could not allocate coupling facility space for the log stream because there is no suitable coupling facility available.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Ensure that you have a suitable coupling facility structure available for the log stream and then retry the dump request.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA823I****SPECIFIED LOG STREAM IS BEING DELETED.**

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. The log stream specified in the dump request is in the process of being deleted.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Ensure that you specify a log stream that is not being deleted before you retry the dump request.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA824I****SEVERE DYNAMIC ALLOCATION ERROR WITH THE STAGING DATA SET.****Explanation**

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. SMF encountered a severe dynamic allocation error with the staging data set for the log stream.

**System action**

The system does not complete the dump of the log stream SMF data.

**Operator response**

Contact the system programmer.

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA825I****SEVERE DYNAMIC ALLOCATION ERROR WITH THE STAGING DATA SET.****Explanation**

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. The log stream name specified was not defined in the LOGR couple data set.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Ensure that there is a definition for the log stream specified. See [DEFINE LOGSTREAM keywords](#) in [z/OS MVS Setting Up a Sysplex](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA826I

LOG STREAM IS IN USE WHILE ANOTHER APPLICATION IS  
CONNECTED TO IT.

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. You cannot dump a log stream while another application is connected to it.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Wait until there are no other applications connected to the log stream and then retry the dump request.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA827I****DASD ONLY LOG STREAM CAN CONNECT ONLY TO ONE SYSTEM.**

---

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not connect to the log stream. The connect failed on this system because another system is already connected to the DASD-only log stream. A DASD-only log stream can only connect to one system.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Issue the dump request from the system already connected to the DASD-only log stream.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA828I****REBUILD IS IN PROGRESS.**

---

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not read data from the log stream. The system cannot process any read requests (IXGBRWSE) for this log stream because the coupling facility structure associated with it is in the process of being rebuilt.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

Wait for the rebuild processing for the log stream to complete before reissuing the dump request.

## Source

System management facilities (SMF)

## Module

IFASMFDL

## Routing code

11

## Descriptor code

-

---

IFA829I

NO CONNECTIVITY EXISTS TO THE COUPLING FACILITY.

## Explanation

SMF could not complete processing of a dump of SMF data from the log stream because it could not read data from the log stream. No connectivity exists to the coupling facility where the structure associated with the log stream resides.

## System action

The system does not complete the dump of the log stream SMF data. System logger will either rebuild the structure in a different coupling facility, or the log stream will be disconnected.

## Operator response

Contact the system programmer.

## System programmer response

Wait for the rebuild processing for the log stream to complete before reissuing the dump request.

## Source

System management facilities (SMF)

## Module

IFASMFDL

## Routing code

11

## Descriptor code

-

---

IFA830I

STRUCTURE IS TEMPORARILY UNAVAILABLE.

**Explanation**

SMF could not complete processing of a dump of SMF data from the log stream, because it could not read data from the log stream. The structure associated with this log stream is temporarily unavailable because of one of the following:

- A structure rebuild is in progress
- A structure dump is in progress
- Applications cannot connect to the structure

**System action**

The system does not complete the dump of the log stream SMF data.

**Operator response**

Contact the system programmer.

**System programmer response**

Ensure that the structure associated with the log stream is available before retrying the dump request.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

|         |   |
|---------|---|
| IFA831I | COUPLING FACILITY IS UNAVAILABLE FOR THE LOG STREAM <i>logstream name</i> |
|---------|---|

**Explanation**

SMF could not complete processing of a dump of SMF data from the log stream. The structure associated with this log stream is temporarily unavailable because coupling facility is unavailable for the log stream *logstream name*.

**System action**

The system does not complete the dump of the log stream SMF data.

**Operator response**

Contact the system programmer.

**System programmer response**

Ensure that the structure associated with the log stream is available before retrying the dump request.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA832I

INVALID PARAMETER COMBINATION FOR xxxxxx

## Explanation

The IFASMF DL utility encountered an error when running with the ARCHIVE or DELETE option and/or when running with the RELATIVEDATE parameter. The error is caused by one of the following reasons:

- IFASMF DL was running with the ARCHIVE option and encountered a record that did not match the selection criteria that was specified on any of the OUTDD statements.
- The DELETE option was specified and an OUTDD statement was also specified.
- The RELATIVEDATE parameter was specified and the DATE option was also specified.
- The SID option was specified for an ARCHIVE or DELETE request, and a record with a non-matching SID was encountered within the requested date and time range.
- The IFASMF DL utility encountered an unexpected error while processing data in the logstream.
- An ARCHIVE or DELETE request was run on a z/OS V2R1 or z/OS V2R2 system and records with an SMF extended header were encountered. See the System Programmer Response for more details on this scenario.

**Note:** If multiple logstreams are specified and then an error occurs with any one logstream, the job will fail with this message.

In the message text:

xxxxxx

The name of the option. It can be the ARCHIVE or DELETE option, or RELATIVEDATE.

## System action

IFASMF DL does not complete the requested function.

## Operator response

Contact the system programmer.

## System programmer response

- If IFASMF DL was running with the ARCHIVE option, ensure that all OUTDD statements include selection criteria for all of the records within the requested time range. In other words, ensure that no filters that are excluding records exist in the time range that is being written to an OUTDD file. Records are written to the OUTDD file up until the time that the error was encountered, but when this message is issued, no records are removed from the logstream.
- If IFASMF DL was running with the DELETE option, delete any OUTDD statements in your SYSIN.



- If IFASMF DL was running with the RELATIVEDATE parameter, choose to use either the DATE or the RELATIVEDATE parameter, but not both.
- When running IFASMF DL to ARCHIVE or DELETE records from a logstream that contains data from multiple systems, consider the following options:
  - Do not specify the SID option.
  - Specify multiple SIDs that will match all SIDs contained in the logstream in the requested date and time range.
- If none of these conditions are true, preserve the job log information for the failing job and contact the IBM Support Center for assistance.

If IFASMF DL was running on a z/OS V2R1 or z/OS V2R2 system, and processing SMF records that contain extended headers, the ARCHIVE or DELETE operation will fail. In this case, the ARCHIVE or DELETE operation must be run on a z/OS V2R3 or above system. SMF records that contain an extended header will contain a record type of 126 in the standard header. These records will show up in the Summary Report of IFASMF DL or IFASMF DP, when run with the DUMP option, with a read count of greater than zero and a write count of zero.

For more information about the ARCHIVE and DELETE options in IFASMF DL, see [Using the SMF dump programs in z/OS MVS System Management Facilities \(SMF\)](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA833I

INVALID VALUE *xx* FOR RELATIVEDATE OPTION *option*

## Explanation

The RELATIVEDATE parameter was used and a subparameter value for the RELATIVEDATE option exceeds the maximum allowed.

In the message text:

***xx***

The incorrect value that exceeds the maximum.

***option***

The name of the subparameter that was in use with the RELATIVEDATE option. The value can be BYDAY, BYWEEK, or BYMONTH.

## System action

The system does not complete the dump of the log stream SMF data.

## Operator response

Contact the system programmer.

## System programmer response

One of the following two situations can cause the value overflow:

- The number of units to go back was too large for this unit.
- The number of units to gather was too large for this unit.

Correct the RELATIVEDATE statement to specify a valid range of the date and run the job again. For more information about using the RELATIVEDATE parameter in IFASMF DL, see [Using the SMF dump programs in z/OS MVS System Management Facilities \(SMF\)](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

|         |   |
|---------|---|
| IFA834I | RELATIVE PARAMETER RESULTS IN START DATE <i>yyyy.ddd</i> , END DATE <i>yyyy.ddd</i> |
|---------|---|

## Explanation

The RELATIVEDATE parameter was used and the start and end dates of the IFASMF DL processing are displayed in the format of *yyyy.ddd*.

In the message text:

***yyyy***

Displays the years when IFASMF DL processing started and ended.

***ddd***

Displays the Julian dates when IFASMF DL processing started and ended.

## System action

IFASMF DL continues the processing and uses the start and end date values that are displayed.

## Operator response

None.

## System programmer response

If the start and end date are what you expected, do not do anything.

If the start date, end date, or both start and end dates are not what are expected, evaluate the specified RELATIVEDATE parameters to determine whether modifications are required in order to produce the expected results. If the specified RELATIVEDATE parameters appear to be specified correctly but the results are not what are expected, contact the IBM Support Center.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA835I****DEBUG INFORMATION: xxxxxxxx xxxxxxxx xxxxxxxx****Explanation**

If the DEBUG option was specified in IFASMF DL, the debug information from the IBM Support Center is displayed.

In the message text:

**xxxxxxxx xxxxxxxx xxxxxxxx**

The debug information that contains the diagnosis information.

**System action**

IFASMF DL continues processing.

**Operator response**

None.

**System programmer response**

None.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA836I****RELATIVEDATE RANGE EXTENDS INTO FUTURE, END DATE AND TIME  
IS yyyy.ddd tt:tt**

## Explanation

The usage of the RELATIVEDATE keyword results in the end date and time of IFASMFDL going past the current date.

In the message text:

**yyyy**

Displays the current year.

**ddd**

Displays the current Julian date.

**tt:tt**

Displays the time when IFASMFDL started.

## System action

IFASMFDL issues a return code 4 and continues processing. IFASMFDL stops matching data using the time value that was reported in the message.

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFASMFDL

## Routing code

11

## Descriptor code

-

---

**IFA837I**

**OPTION(ALL) USED, DEFAULTING TO OPTION(DUMP) BEHAVIOR**

## Explanation

The ALL option is specified on the LSNAME parameter in IFASMFDL. This option is deprecated and defaults to performing a DUMP.

## System action

IFASMFDL continues the processing as if the DUMP option was specified.

## Operator response

None.

## System programmer response

To avoid the occurrence of this message, update your job using the DUMP, ARCHIVE or DELETE options instead of the ALL option. For more information about using the DUMP, ARCHIVE and DELETE options in IFASMF DL, see [Using the SMF dump programs in z/OS MVS System Management Facilities \(SMF\)](#).

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA838I

WAITING FOR ENQUEUES TO BECOME AVAILABLE

## Explanation

IFASMF DL could not obtain all enqueues required for the request. For each failed request, IFASMF DL will retry the obtain of the enqueues after 30 seconds. This message will be reissued to the job log for every 5 minutes that the enqueues cannot be obtained.

## Operator response

Contact the system programmer.

## System programmer response

If the wait is excessive, issue the GRS command D GRS,RES=(SYSZSMFL,\*) to determine what job or task is holding the required enqueues.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

IFA839I

ALL ENQUEUES OBTAINED, CONTINUING PROCESSING

## Explanation

IFASMF DL has obtained all enqueues required for processing after one or more unsuccessful attempts. This message will follow one or more IFA838I messages.

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

---

**IFA840I****USER EXIT xxxxxxxx NOT REGISTERED WITH SYSTEM**

## Explanation

An exit specified for IFASMF DL or IFASMF DP via the USER1, USER2 or USER3 parameters is not registered with the system in the SMFPRMxx member.

In the message text:

**xxxxxxx**

The name of the user exit.

## System action

IFASMF DL or IFASMF DP stops processing and returns an x'08'.

## Operator response

None.

## System programmer response

If this is an exit that is required for IFASMF DL or IFASMF DP processing, then define the exit name to the system in the SMFPRMxx member with either the SMFDLEXIT or SMFDPEXIT keywords.

Alternatively, in the case of IFASMF DP running with OPTIONS(DUMP), the program can be changed to execute in an unauthorized environment.

## Source

System management facilities (SMF)

**Module**

IFASMFDL, IFASMFDL

**Routing code**

11

**Descriptor code**

-

---

|                |   |
|----------------|---|
| <b>IFA841I</b> | <b>NO SMF DATA IN RANGE FOR xxxxxxxx OPTION PROCESSING FOR LOGSTREAM <i>lname</i></b> |
|----------------|---|

---

**Explanation**

The date and time range specified via the SYSIN is before the first record in the logstream.

In the message text:

**xxxxxx**

The option used, either DELETE or ARCHIVE.

***lname***

The logstream name.

**System action**

IFASMFDL continues processing remaining logstreams.

**Operator response**

None.

**System programmer response**

Verify that the date range specified via the SYSIN is correct. If the date range specified is correct, no action is needed.

**Source**

System management facilities (SMF)

**Module**

IFASMFDL

**Routing code**

11

**Descriptor code**

-

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|                |   |
|----------------|---|
| <b>IFA842I</b> | <b>DUPLICATE LOGSTREAM <i>logstream_name</i> REJECTED</b> |
|----------------|---|

---

## Explanation

During SMF initialization, the system issues this message to indicate that a log stream name that is defined for SMF data in the SMFPRMxx parmlib member was previously specified in the parmlib member.

In the message text:

### ***logstream\_name***

The incorrect log stream name. If the original log stream name in the parmlib member specified a symbol, such as &SYSNAME. or &SID., this message will display the log stream name after the value of the symbol has been substituted.

## System action

The duplicate log stream specification is rejected and processing continues.

## Operator response

None.

## System programmer response

Correct the name of the log stream in the SMFPRMxx parmlib member; alternatively, specify the name of another log stream.

For more information, see [Setting up and managing SMF recording to logstreams in z/OS MVS System Management Facilities \(SMF\)](#) and [Planning for system logger applications in z/OS MVS Setting Up a Sysplex](#).

## Source

System management facilities (SMF)

## Module

IEEMB821

## Routing code

2, 10

## Descriptor code

4, 5

---

|         |   |
|---------|---|
| IFA843I | LOGSTREAM <i>logstream_name</i> REJECTED SYMBOL RESOLUTION ERROR<br><i>diag</i> |
|---------|---|

## Explanation

During SMF initialization or SETSMF command processing, an error occurred while performing symbol substitution for a log stream name. The log stream is rejected.

In the message text:

### ***logstream\_name***

The incorrect log stream name.

### ***diag***

A diagnostic code for use by IBM support personnel.



## System action

The log stream specification is rejected. Processing continues.

## Operator response

None.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

System management facilities (SMF)

## Module

IEEMB821

## Routing code

2, 10

## Descriptor code

4, 5

---

**IFA844I**

**THE FOLLOWING SIDS ARE PRESENT IN *lname sid1 sid2 sid3 sid4 ....***

## Explanation

A multiple line message listing the SID for each z/OS image that had records present in the logstream during the processing time period that is reported in the IFASMF DL Summary Report.

In the message text:

### ***lname***

The name of the logstream.

### ***sidX***

The SID value for the z/OS image.

## System action

IFASMF DL continues processing.

## Operator response

None.

## System programmer response

None.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

11

## Descriptor code

-

IFA845I

*function* OPTION DIAGNOSTIC INFORMATION *text*

## Explanation

In the message, *text* is:

```
LSNAME = lsname
First LOGBLOCK RCD HDR = xxxxxx xxxxxx xxxxxx
                        xxxxxx xxxxxx xxxxxx
Current RCD HDR = xxxxxx xxxxxx xxxxxx
                  xxxxxx xxxxxx xxxxxx
Last LOGBLOCK RCD HDR = xxxxxx xxxxxx xxxxxx
                        xxxxxx xxxxxx xxxxxx
START OF RANGE FOUND = ON/OFF
END OF RANGE FOUND = ON/OFF
RCD SYSID MATCH = ON/OFF
RCD OUTDD MATCH = ON/OFF
RCD TIME MATCH = ON/OFF
LOGBLOCK TIMESTAMP MATCH = ON/OFF
LOGBLOCK ONE MATCH = ON/OFF
LOGBLOCK ALL MATCH = ON/OFF

DUMMY BLOCK FOUND = ON/OFF
DUMMY WRITE ERROR = ON/OFF   IXGWRITE RET-RSN = rr-ssss
```

This message provides diagnostic information when an error is encountered during ARCHIVE or DELETE processing. Some of the information in this message may only be useful for IBM Support Center personnel to interpret.

In the message text:

### *function*

Either ARCHIVE or DELETE

### **LSNAME = *lsname***

The log stream experiencing the error. *lsname* is the name of the log stream.

### **FIRST LOGBLOCK RCD HDR = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx**

Standard and extended SMF record headers in [z/OS MVS System Management Facilities \(SMF\)](#) from the first record in the log stream. xxxxxxxx xxxxxxxx xxxxxxxx is data in hexadecimal values.

### **CURRENT RCD HDR = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx**

Standard and extended SMF record headers in [z/OS MVS System Management Facilities \(SMF\)](#) from failing record in the log stream. xxxxxxxx xxxxxxxx xxxxxxxx is data in hexadecimal values.

### **LAST LOGBLOCK RCD HDR = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx**

Standard and extended SMF record headers in [z/OS MVS System Management Facilities \(SMF\)](#) from first record from failing logblock. xxxxxxxx xxxxxxxx xxxxxxxx is data in hexadecimal values.

### **START OF RANGE FOUND = *option***

If the start of a date range for ARCHIVE or DELETE was established. *option* can either be ON or OFF.

### **END OF RANGE FOUND = *option***

If the end of a date range for ARCHIVE or DELETE was established. *option* can either be ON or OFF.

### **RCD SYSID MATCH = *option***

If the record matched the SYSID filter. *option* can either be ON or OFF.

**RCD OUTDD MATCH = *option***

If the record matched any OUTDD filters. *option* can either be ON or OFF.

**RCD TIME MATCH = *option***

If the record matched the time filter. *option* can either be ON or OFF.

**LOGBLOCK TIMESTAMP MATCH = *option***

If the logblock matched the time filter. *option* can either be ON or OFF.

**LOGBLOCK ONE MATCH = *option***

If the logblock had at least one matching record. *option* can either be ON or OFF.

**LOGBLOCK ALL MATCH = *option***

If the logblock had all matching records. *option* can either be ON or OFF.

**DUMMY BLOCK FOUND = *option***

If the SMF dummy log block, which is used for marking a place holder during ARCHIVE or DELETE processing, was found in the logstream. *option* can either be ON or OFF.

**DUMMY WRITE ERROR = *option* IXGWRITE RET-RSN = *rr-ssss***

If an error was encountered while writing the dummy block to the logstream. *option* can either be ON or OFF. When ON is specified, the IXGWRITE hexadecimal return and reason codes *rr-ssss* are provided.

**System action**

IFASMF DL does not complete the dump of the log stream SMF data.

**Operator response**

Contact the system programmer.

**System programmer response**

See the description for message IFA832I.

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA846I** **PROCESSED DATA RANGES FOR LOG STREAM***text*

**Explanation**

In the message, *text* is:

| LSNAME   | START DATE/TIME     | END DATE/TIME       |
|----------|---------------------|---------------------|
| <lsname> | xx/xx/xxxx xx:xx:xx | yy/yy/yyyy yy:yy:yy |

This message is issued as an informational message which details the date and time ranges of data that was operated on for each log stream. One line will be issued for each log stream specified.

In the message text:

**lsname**

The log stream

*xx/xx/xxxx xx:xx:xx*

The start time of the data processed. If the start date and time cannot be determined, it will be filled in with '\*\*\*'. This may occur when user record types (record types not owned by IBM) are present in the log stream.

*yy/yy/yyyy yy:yy:yy*

The end time of the data processed. If the end date and time cannot be determined, it will be filled in with '\*\*\*'.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

None

**Source**

System management facilities (SMF)

**Module**

IFASMF DL

**Routing code**

11

**Descriptor code**

-

---

**IFA847I****DUPLICATE INMEM *in-memory\_resource\_name* REJECTED****Explanation**

During SMF initialization or during SET SMF=xx or SETSMF command processing, the system issues this message to indicate that an in-memory resource name that is defined for SMF data in the SMFPRMxx parmlib member was previously specified in the parmlib member.

In the message text:

***in-memory\_resource\_name***

The incorrect in-memory resource name. If the original in-memory resource name in the parmlib member specified a symbol, such as &SYSNAME. or &SID., this message will display the in-memory resource name after the value of the symbol has been substituted.

**System action**

The duplicate in-memory resource specification is rejected and processing continues.

**Operator response**

None.

**System programmer response**

Correct the name of the in-memory resource in the SMFPRMxx parmlib member.  
For more information, see "SMF real-time interface" in [z/OS MVS System Management Facilities \(SMF\)](#).

**Source**

System management facilities (SMF)

**Module**

IEEMB821

**Routing code**

2, 10

**Descriptor code**

4, 5

|                |  |
|----------------|--|
| <b>IFA848I</b> | <b>ERRONEOUS RECORD-IDENTIFYING DATA WAS FOUND IN THE LOGSTREAM.<br/>LOG BLOCKS BYPASSED FOR PROCESSING: <i>aaaa</i><br/>SVC DUMPS TAKEN TO CAPTURE BAD LOG BLOCK DATA: <i>bbbb</i><br/>DUMPS SUPPRESSED DUE TO DUPLICATE ERROR CONDITION: <i>cccc</i></b> |
|----------------|--|

**Explanation**

IFASMF DL encountered an unexpected zero length value in the SMF header within the log block. When this error occurs, message IFA025I may also be issued to the operator console, and an SVC dump may be captured.  
In the message text:

- aaaa***  
The total number of log blocks that were found to contain erroneous record-identifying information.
- bbbb***  
The number of log blocks that were found to contain erroneous record-identifying information for which an SVC dump was taken. When this number is greater than zero, message IFA025I is issued to the master console, and the IFASMF DL job step return code is set to 4.
- cccc***  
This number represents the number of log blocks that were found to contain erroneous record-identifying information, but the error condition in the logstream was already detected in a previous execution, and therefore the SVC dump was suppressed by Dump Analysis and Elimination (DAE).

**System action**

See the system action found in the description of message IFA025I.

**Operator response**

Notify the system programmer.

**System programmer response**

See the system programmer response found in the description of message IFA025I.

## Source

System management facilities (SMF)

## Module

IFASMF DL

## Routing code

N/A

## Descriptor code

-

---

IFA849I

ENVIRONMENT ERROR. IFASMF DL FAILED DUE TO BAD SMF RECORD  
CONTENT IN LOGSTREAM *smf\_log\_stream\_name*.  
*reason*.  
DIAGNOSTIC INFORMATION *diag1 diag2 diag3 diag4*

## Explanation

IFASMF DL read a log block from the SMF log stream *smf\_log\_stream\_name*, but it was unable to interpret the data in the log block as valid SMF record content.

In the message text:

### ***smf\_log\_stream\_name***

The name of the SMF log stream.

### ***reason***

The reason may be one of the following:

- COMPRESSED DATA WAS UNEXPECTED
- ERROR PROCESSING COMPRESSED DATA

### ***diag1 diag2 diag3 diag4***

Diagnostic information for use by the IBM Support Center.

## System action

IFASMF DL stops processing SMF log stream *smf\_log\_stream\_name*, but continues processing the remaining SMF log streams.

## Operator response

Contact the system programmer.

## System programmer response

If COMPRESSED DATA WAS UNEXPECTED is displayed in the message text, verify the following:

- The system is running z/OS V2R1, or higher, on an IBM zEnterprise zEC12 (with GA2 level microcode).
- A zEDC Express feature is available.

To access compressed data from an SMF log stream, run the IFASMF DL utility on a system that meets these requirements, or specify the IFASMF DL SOFTINFLATE keyword option. Note: SOFTINFLATE allows installations to access compressed data for toleration and coexistence, but may not have the desired performance. When compressed data is found, specifying SOFTINFLATE may cause the IFASMF DL utility to take additional time and system resources.

If ERROR PROCESSING COMPRESSED DATA is displayed in the message text, contact the IBM Support Center.

### Source

System management facilities (SMF)

### Module

IFALSMOD

### Routing code

11

### Descriptor code

-

---

|         |   |
|---------|---|
| IFA850I | LOGSTREAM <i>logstream_name</i> CONTAINS ONLY DIGITAL SIGNATURE METADATA. |
|---------|---|

### Explanation

The IFASMF DL utility could not complete processing of a DELETE or ARCHIVE request. This is because the log stream contained only SMF digital signature metadata, and the NOSIGSTRIP parameter was not specified.

In the message text:

#### ***logstream\_name***

The name of the log stream being processed when the error was detected.

### System action

IFASMF DL processing continues, but no further processing is performed on this log stream.

### Operator response

Contact the system programmer.

### System programmer response

Add NOSIGSTRIP to the IFASMF DL input parameters, and run the job again.

### Source

System management facilities (SMF)

### Module

IFASMF DL

### Routing code

11

### Descriptor code

-

---

|         |  |
|---------|--|
| IFA851I | <i>keywd1</i> IS REQUIRED WHEN <i>IS</i> SPECIFIED <i>keywd2</i> |
|---------|--|

## Explanation

While processing SMF parameters, a keyword was specified that requires another keyword which was not specified.

In the message text:

### ***keywd1***

The name of the required keyword that was not specified.

### ***keywd2***

The name of the keyword that was specified which requires *keywd1*.

## System action

For SMFPRMxx parameters or the SETSMF command, the keyword is ignored. For IFASMFDL or IFASMFDL parameters, the utility stops processing and sets the return code to 8.

## Operator response

None.

## System programmer response

Update the parameters to include the missing keyword or remove the extraneous keyword.

## Source

System management facilities (SMF)

## Module

IFASMFDL, IFASMFDL

## Routing code

2,10 / Note 11

## Descriptor code

4 / -

---

|                |   |
|----------------|---|
| <b>IFA852I</b> | <b><i>parameter</i> REQUIRED SUBOPTION <i>suboption</i> NOT SPECIFIED</b> |
|----------------|---|

## Explanation

During SMF initialization or during SET SMF=xx or SETSMF command processing, the system issues this message to indicate that a required suboption was not specified.

In the message text:

### ***parameter***

The SMF keyword parameter.

### ***suboption***

The required SMF suboption that was not specified for the SMF option.

## System action

SMF ignores the erroneous parameter and continues processing.



### Operator response

Notify the system programmer. If message IEE357A is issued, respond as required to the message.

### System programmer response

If the parameter was specified in SMFPRMxx, correct the parameter in error.

### Source

System management facilities (SMF)

### Module

IEEMB832

### Routing code

2

### Descriptor code

5

---

|         |  |
|---------|--|
| IFA900I | <i>hh.mm.ss</i> SMF LIMIT DATA<br>Member and rule number <i>smfparm1 smfparm2</i><br>Jobname:<br><i>jobnamefilterdata</i><br>Jobclass:<br><i>jobclassfilterdata</i><br>Jobacct:<br><i>jobacctfilterdata</i><br>Stepacct:<br><i>stepacctfilterdata</i><br>Pgmname:<br><i>pgmnamefilterdata</i><br>User:<br><i>userfilterdata</i><br>Stepname:<br><i>stepnamefilterdata</i><br>Subsys:<br><i>subsysfilterdata</i><br>Attributes:<br>Execute: <i>state</i><br>REGION BELOW: <i>rgnbelow</i><br>REGION ABOVE: <i>rgnabove</i><br>REGIONLIMITBELOW: <i>rgnlimbelow</i><br>REGIONLIMITABOVE: <i>rgnlimabove</i><br>SYSRESVBELOW: <i>sysrgnbelow</i><br>SYSRESVABOVE: <i>sysrgnabove</i><br>MEMLIMIT: <i>memlimit</i><br>DSLIMITNUM: <i>dslimitnum</i><br>DSLIMITSIZE: <i>dslimitsize</i><br>JOBMSG: <i>jobmsg</i><br>MAXSHARE: <i>maxshare</i><br>CONTINUEMATCHING: <i>continuematching</i><br>NO SMF LIMITS ARE IN EFFECT<br>No SMF LIMIT rules matched |
|---------|--|

**SMF LIMIT rules were last set at: mm/dd/yyyy hh.mm.ss**  
**There are numrules REGION rules active on this system.**  
**errrules REGION rules were excluded due to syntax errors.**  
**sysrules REGION rules were excluded due to SYSNAME filtering.**

## Explanation

In response to a DISPLAY SMFLIM, DISPLAY SMFLIM,SUMMARY, or DISPLAY SMFLIM,REGION command, this message displays the SMFLIM rules that match the input parameters.

Note that filters and attributes that were not specified in the original parmlib member rule statement will not appear in the output. In addition, the SYSNAME filter is only processed at the time the parmlib member is activated (via IPL or SET command) and will not appear in the output.

In the message text:

### **hh.mm.ss**

The hour (00-23), minute (00-59), and second (00-59) that the system issued the message.

### **smfparm1**

The name of the parmlib member that this rule originated from.

### **smfparm2**

The rule number within the parmlib member that this rule originated from.

### **jobnamefilterdata**

Data fields used for the Jobname filter.

### **jobclassfilterdata**

Data fields used for the Jobclass filter.

### **jobacctfilterdata**

Data fields used for the Jobacct filter.

- When '<NotSpecified>' appears, the filter will match a job that does not have job accounting data specified.
- When '()' appears, the filter will match a job that has specified parentheses in the accounting data position without data, i.e. the job accounting data is null.
- When a '+' appears as the 67th character of an accounting specification, the accounting data is too long to display, and has been truncated.

### **stepacctfilterdata**

Data fields used for the StepAcct filter

- When '<NotSpecified>' appears, the filter will match a step that does not have step accounting data specified.
- When '()' appears, the filter will match a step that has specified the ACCT keyword on the EXEC statement, but no data, i.e. the step accounting data is null.
- When a '+' appears as the 67th character of an accounting specification, the accounting data is too long to display, and has been truncated.

### **pgmnamefilterdata**

Data fields used for the Pgmname filter.

### **userfilterdata**

Data fields used for the User filter.

### **stepnamefilterdata**

Data fields used for the Stepname filter.

### **subsysfilterdata**

Data fields used for the Subsys filter.

### **state**

One of the following:

**YES**

The jobstep will be executed.

**CANCEL**

The jobstep will be canceled.

**CANCELFROMIEFUSI**

The jobstep will be canceled if the IEFUSI exit set the "cancel" return code (4).

**NOCHANGE**

This rule preserves any previous setting.

***rgnbelow***

User key region below the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***rgnabove***

User key region above the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***rgnlimbelow***

Region limit below the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***rgnlimabove***

Region limit above the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***continuematching***

One of the following:

**YES**

Will continue processing subsequent rules.

**NO**

Will not continue processing subsequent rules.

***sysrgnbelow***

System key reserved below the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***sysrgnabove***

System key reserved above the line value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***memlimit***

MEMLIMIT value. This value may appear different than in the SMFLIMxx parmlib member due to conversion logic.

***dslimitnum***

Maximum number of dataspace of any type that can be created by a user-key program.

***dslimitsize***

Maximum amount of storage that can be used for data spaces by a user-key program. This value is equivalent to, but may appear different than, the SMFLIMxx parmlib member due to conversion logic.

***jobmsg***

One of the following:

- SUPPRESS - the IEF043I message will be suppressed.
- ISSUE - the IEF043I message will be issued.

***maxshare***

Maximum of source and target shared pages that can be used at one time by problem state callers using the IARV SERV SHARE services.

***mm/dd/yyyy***

The date (mm/dd/yyyy) that this policy was activated via IPL or SET SMFLIM command.

**numrules**

The number of REGION rules active on this system.

**errrules**

The number of REGION rules in error.

**sysrules**

The number of REGION rules excluded due to the specified system name.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

None

**Programmer response**

Correct the parmlib member. For an error detected due to the SMFLIM system parameter, re-IPL. For an error detected during SET SMFLIM command processing, have the operator reissue the command.

**Source**

System management facility (SMF)

**Module**

IFASLDIS

**Routing code**

None

**Descriptor code**

5

---

**IFA910I****ERROR ESTABLISHING RECOVERY FOR THE *cmd* COMMAND****Explanation**

An error occurred while establishing recovery for the command identified in the message.

In the message text:

***cmd***

The command that could not be executed.

**System action**

The command is not processed.

**Operator response**

Contact the system programmer.

## System programmer response

Contact the IBM Support Center for assistance.

## Source

System management facilities (SMF)

## Routing code

-

## Descriptor code

5

---

**IFA911I****ERROR WHILE PROCESSING *text***

## Explanation

An error occurred processing the parmlib member or command identified in the message. The name of the service that failed is identified in the message.

In the message text:

**PARMLIB MEMBER *itemname* SERVICE *service* FAILED WITH RC: *retcode* RS: *rsncode***

Error occurred while processing a parmlib member.

**COMMAND *itemname* SERVICE *service* FAILED WITH RC: *retcode* RS: *rsncode***

Error occurred while processing a command

### ***itemname***

The item being processed (for example, the command or the name of the parmlib member).

### ***service***

The service that failed. This may contain the name of an internal service that the IBM Support Center can use for further diagnosis.

### ***retcode***

The return code from the service that failed.

### ***rsncode***

The reason code from the service that failed.

## System action

The command or parmlib member is not processed.

## Operator response

Contact the system programmer.

## System programmer response

If the service identified in the message is a documented service in *z/OS MVS Programming: Assembler Services Guide* or *z/OS MVS Programming: Authorized Assembler Services Guide*, see the explanation of the return and reason codes for the service for further information. Otherwise, contact the IBM Support Center for assistance.

## Source

System management facilities (SMF)

**Routing code**

2

**Descriptor code**

5, 12

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## Chapter 18. IFB messages

---

**IFB010D**

**ENTER 'IPL REASON, SUBSYSTEM ID' OR 'U'**

### Explanation

This message requests the operator to provide one of the following:

- The reason for the initial program load (IPL).
- The device or program (subsystem) responsible for the IPL restart.
- U - to continue operation with default values.

### System action

The reliability data extractor (RDE) waits for the operator's reply.

### Programmer response

Enter a reply in the format `REPLY id, 'rr,ss'` where *id* is the reply identification, *rr* is the RDE IPL reason code, and *ss* is the subsystem ID code.

### Source

System Environmental Recording (LOGREC)

### Module

IFBBLD76

### Routing code

1

### Descriptor code

2

---

**IFB020I**

**INVALID REPLY TO IFB010D**

### Explanation

The reply to message IFB010D is incorrect.

### System action

The system writes message IFB010D again to allow the operator to reenter a reply.

### Operator response

Either enter the initial program load (IPL) reason code and subsystem ID code in the proper format or reply 'U' to select the default values.

### Source

System Environmental Recording (LOGREC)

## Module

IFBBLD76

## Routing code

2

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IFB080E</b> | <b>LOGREC DATA SET NEAR FULL, DSN=<i>dsname</i></b> |
|----------------|---|

---

## Explanation

The logrec data set is 90% full.

In the message text:

***dsname***

The name of the logrec data set.

## System action

The system continues processing. Error records will be written to the logrec data set until it is full. Then, message IFB081I will be issued.

## System programmer response

Run the Environmental Record Editing and Printing program (EREP) to dump and clear the logrec data set. Continued processing, without dumping the data set, will cause it to become full. To compile a history of hardware failures:

- Save the EREP output
- Save the master console listing

## Source

System Environmental Recording (LOGREC)

## Module

IFBSVC76

## Routing code

1

## Descriptor code

11

---

|                |   |
|----------------|---|
| <b>IFB081I</b> | <b>LOGREC DATA SET IS FULL,<i>hh.mm.ss</i>, DSN=<i>dsname</i></b> |
|----------------|---|

---

## Explanation

The logrec data set is full and cannot hold additional records. At least one record has been lost.

In the message text:



**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59).

**dsname**

The name of the logrec data set.

**System action**

The system continues processing, but further error records will be lost.

**System programmer response**

Run the Environmental Record Editing and Printing program (EREP) to dump and clear the contents of the logrec data set.

**Source**

System Environmental Recording (LOGREC)

**Module**

IFBSVC76

**Routing code**

1

**Descriptor code**

11

---

**IFB082I**

**LOGREC DATA SET I/O ACCESS ERROR,sens,stat,hh.mm.ss,  
DSN=dsname**

**Explanation**

An uncorrectable I/O error occurred during an attempt to read or write a record to the logrec data set. The most common reason for the issuance of this message is that the size or the location of the SYS1.LOGREC data set has been modified without an IPL. If this is not the cause of this message, then the cause is a probable channel or device error.

In the message text:

**sens**

The first two sense bytes for the error condition.

**stat**

The device and subchannel status portions of the Subchannel-Status Word (SCSW).

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59).

**dsname**

The name of the logrec data set.

**System action**

The system does not retry the I/O operation that encountered the error. If the access attempt was to write the record, the record is lost. Attempts to read and write records to the logrec data set will continue.

## System programmer response

Run the Environmental Recording, Editing, and Printing program (EREP) to dump the logrec data set and save its contents. Then run the IFCDIP00 service aid program to reinitialize the logrec data set. If this does not resolve the problem, then an IPL will be necessary for the system to be able to update its pointers to the new SYS1.LOGREC data set.

## Source

System Environmental Recording (LOGREC)

## Module

IFBSVC76

## Routing code

1

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IFB083I</b> | <b>LOGREC DATA SET FORMAT ERROR,<i>hh.mm.ss</i>, DSN=<i>dsname</i></b> |
|----------------|--|

## Explanation

The header record of the logrec data set is missing or not valid.

In the message text:

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59).

### ***dsname***

The name of the logrec data set.

## System action

The system continues processing.

## System programmer response

Run the IFCDIP00 service aid program to rewrite the header record and reinitialize the logrec data set.

## Source

System Environmental Recording (LOGREC)

## Module

IFBSVC76

## Routing code

1

## Descriptor code

4

---

**IFB084I****LOGREC DATA SET CANNOT BE ACCESSED, RECORD IS LOST,  
DSN=*dsname***

### Explanation

The logrec data set cannot be accessed because the device on which it is mounted is unavailable.

In the message text:

***dsname***

The name of the logrec data set.

### System action

The system continues processing but does not write any more records to the logrec data set until the device is mounted and the data set is available.

### System programmer response

Verify that the device on which the logrec data set resides is available and mounted.

### Source

System Environmental Recording (LOGREC)

### Module

IFBSVC76

### Routing code

1

### Descriptor code

4

---

**IFB085I****LOGREC RECORDING [TO LOG STREAM *log-stream-name* | IS BEING  
IGNORED]**

### Explanation

The system issues this message during system initialization to indicate whether system environmental recording will use the system logger log stream or whether recording is being ignored. Message IFB086I will be issued instead of IFB085I if the recording medium is a logrec data set. The medium is determined from the LOGREC parameter in the IEASYSxx parmlib member.

In the message text:

#### **TO LOG STREAM *log-stream-name***

Indicates that the output recording medium for the logrec records is the logrec log stream (SYSPLEX.LOGREC.ALLRECS).

#### **IS BEING IGNORED**

Indicates that there is no output recording medium for the logrec records. The LOGREC=IGNORE specification in the IEASYSxx parmlib member is intended to be used for test environments. This specification is not recommended for production systems.

### System action

The system continues system initialization.

## Source

System Environmental Recording (Logrec)

## Module

IEAVNP76

## Routing code

Note 9

## Descriptor code

4

---

**IFB086I** LOGREC DATA SET NAME IS *dsname*

## Explanation

This message is issued during system initialization to identify the name of the logrec data set being used for recording environmental information.

In the message text:

### ***dsname***

The name of the logrec data set.

## System action

The system continues system initialization.

## Source

System Environmental Recording (LOGREC)

## Module

IEAVNP76

## Routing code

Note 9

## Descriptor code

4

---

**IFB087I** LOGREC=*dsname* DATA SET NOT CATALOGED - *reg15*

## Explanation

The data set name specified on the logrec system parameter could not be located in the system catalog.

In the message text,

### ***dsname***

The value specified as the logrec data set name.

### ***reg15***

The value returned from SVC 26 in Register 15.

## System action

The system issues message IEA341A to prompt the operator to respecify the logrec parameter with a valid data set name.

## Operator response

Respond to message IEA341A. The response to these messages should contain the LOGREC= parameter and logrec data set name specification for a cataloged data set. If the data set name is SYS1.LOGREC and is resident on the SYSRES volume, it need not be cataloged. However, this technique should not be used if the SYSRES volume is shared by more than one system. Notify the system programmer.

## System programmer response

Before the next IPL, correct the contents of IEASYSxx to include a valid (cataloged) logrec data set name.

## Source

System Environmental Recording (LOGREC)

## Module

IEAVNP76

## Routing code

Note 9

## Descriptor code

12

---

**IFB090I**

***hh.mm.ss LOGREC DISPLAY [id] text***

## Explanation

Where *text* is:

[CURRENT MEDIUM=*logrec-recording-medium*]  
[MEDIUM NAME=*medium-name*]  
[STATUS=*logstream-status*]  
[DATASET MEDIUM=*data-set-name*  
| NOT DEFINED]]

An operator entered the DISPLAY LOGREC command to display information about the logrec recording medium that is defined and currently enabled on the system.

In the message text:

### ***hh.mm.ss***

The hour, minute, and second at which the system processed the display command. 00.00.00 appears in this field if the time-of-day (TOD) clock is not working.

### ***id***

A decimal identifier used with the CONTROL C,D command to cancel status displays that are written on typewriter or printer consoles or displayed inline on a display console. This identifier does not appear when the display appears in a display area on a display console.

If the operator included the CURR option, line 2 appears. Depending on the recording medium setting, lines 3 and/or 4 will also appear. The information displayed provides information about the currently active logrec

recording medium being used by the system. If the operator does not enter any options, the CURR option is assumed.

**CURRENT MEDIUM=logrec-recording-medium**

The current logrec recording medium, as follows:

- IGNORE
- LOGSTREAM
- DATASET

If the installation has set the current medium to IGNORE, no additional lines of the message are applicable and will not be displayed. IGNORE means that logrec error recording will not occur. If the installation has set the current medium to LOGSTREAM or DATASET, line 3 appears.

**MEDIUM NAME=medium-name**

The 64 character field that identifies the recording medium name. This is applicable to the settings LOGSTREAM and DATASET. If the current setting is LOGSTREAM then the medium name is the log stream name. The log stream name for logrec error recording is SYSPLEX.LOGREC.ALLRECS. If the current setting is DATASET, the medium name is the data set name being used to record logrec error records. The data set can be any name defined by the installation at IPL.

If the installation set the current medium to LOGSTREAM, line 4 appears.

**STATUS=log-stream-status**

The status of the log stream, which is one of the following:

**CONNECTED**

The logrec log stream (SYSPLEX.LOGREC.ALLRECS) is connected and active. All logrec error records are being sent to the system logger for management.

**NOT CONNECTED**

The logrec log stream (SYSPLEX.LOGREC.ALLRECS) is not connected. The system logger is not currently available. The system records the logrec error records in an internal buffer until the system logger is available.

**LOGGER DISABLED FOR THIS IPL**

The system logger services will not be available for the life of the current IPL. The system records the logrec error records in an internal buffer. If the recording medium remains LOGSTREAM under these circumstances, an overflow condition will occur. IBM recommends changing the logrec recording medium using the SETLOGRC command.

**Note:** Only a limited amount of logrec error records will be buffered. If the system logger problem is not corrected, logrec error records can be lost.

If the operator included the DSN option, line 5 appears. Line 5 displays information pertaining to a data set recording medium.

**DATASET MEDIUM=[data set name | NOT DEFINED]**

The data set name that was defined for logrec error recording during IPL. The data set might be the current recording medium. The current recording medium can be obtained by entering the DISPLAY command with the CURR option. If a data set was never defined via SYS1.PARMLIB during IPL, then instead of a data set name being displayed, the text NOT DEFINED will be displayed.

The system will not be able to change the recording medium to data set in this case unless a system IPL is performed, defining a data set as the recording medium.

If the operator included the ALL option, lines 1 through 5 appear if the current medium is to a log stream. If the current medium is to a data set then lines 1 through 3 and line 5 appear. And if the current medium is to ignore then lines 1 and 2 appear.

## System action

The system continues processing.

## Source

System Environmental Recording (Logrec)

## Module

IFBDISLG

## Routing code

2,10

## Descriptor code

5,8,9

---

**IFB091I**

*subsystem-name function* **PARSE ERROR - reason**

---

## Explanation

A parse error was encountered while logrec was verifying the application's subsystem JCL DD statement.

In the message text:

### ***subsystem-name***

The subsystem name on the JCL DD statement.

### ***function***

One of two different points in the processing of the JCL statement where this message can be issued, as follows:

#### **CONVERTER**

The error occurred during Converter processing.

#### **ALLOCATION**

The error occurred during Allocation processing.

### ***reason***

One of the following:

#### **SEVERE ERROR**

The parser encountered a severe error during its processing.

#### **SYNTAX ERROR**

The statement failed the syntax check.

#### **MUTUAL EXCLUSION FAILURE**

The parser encountered mutually exclusive keywords.

## System action

The system fails the job with a JCL error.

## Programmer response

Correct any errors in the SUBSYS portion of the JCL statement.

## Source

System Environmental Recording (Logrec)

## Module

IFBSXPIR

## Routing code

11

## Descriptor code

6

---

IFB094I

SETLOGRC LOGSTREAM COMMAND ACCEPTED

## Explanation

The user entered the SETLOGRC command to set the recording medium from a setting of LOGSTREAM to a setting of LOGSTREAM.

## System action

The system accepts the command for processing and continues.

## Source

System Environmental Recording (Logrec)

## Module

IFBSETLG

## Routing code

2,10

## Descriptor code

5

---

IFB095I

SETLOGRC SYSTEM ERROR, REASON CODE = xxxx,yyyy

## Explanation

The SETLOGRC command encountered a system error. The return and reason code provide more information about type of error and the service in error. The format of the reason code follows:

### 0001,yyyy

A non-zero return code was returned from the STORAGE macro. The macro return code is yyyy. See [z/OS MVS Programming: Assembler Services Reference ABE-HSP](#) for a description of the STORAGE macro return codes.

## System action

The system continues processing.

## System programmer response

Determine the reason for the failure by checking the return code returned from the STORAGE macro.

## Source

System Environmental Recording (Logrec)



## Module

IFBSETLG

## Routing code

2,10

## Descriptor code

5

---

|                |   |
|----------------|---|
| <b>IFB096I</b> | <b>SETLOGRC COMMAND ERROR. RECORDING {MEDIUM IS ALREADY DATASET   IS ALREADY BEING IGNORED}</b> |
|----------------|---|

---

## Explanation

The user entered the SETLOGRC command to set the recording medium to a setting that is already skipping the storage medium. No action is taken to change the LOGREC recording medium or enable or disable the ENF signal.

## System action

The system continues processing.

## Operator response

Check the desired setting on the SETLOGRC command. An erroneous value may have been entered.

## Source

System Environmental Recording (Logrec)

## Module

IFBSETLG

## Routing code

2,10

## Descriptor code

5

---

|                |  |
|----------------|--|
| <b>IFB097I</b> | <b>LOGREC RECORDING MEDIUM CHANGED FROM <i>previous-setting</i> TO <i>desired-setting</i>.</b> |
|----------------|--|

---

## Explanation

The SETLOGRC command was successful in changing the logrec error recording medium.

## System action

The system continues processing.

## Source

System Environmental Recording (Logrec)

## Module

IFBSETLG

## Routing code

2,10

## Descriptor code

5

---

|         |   |
|---------|---|
| IFB098E | LOGREC OVERFLOW CONDITION. RECORDS LOST ON SYSTEM <i>sysname</i><br>LOG STREAM NAME: <i>log-stream-name</i> |
|---------|---|

---

## Explanation

While the system was recording logrec error records in an internal buffer for the log stream identified by *log-stream-name*, an overflow condition was reached. Records have been lost on the system identified by *system*.

This can be caused by one of the following:

- The logrec log stream is not connected to the system logger.
- Logrec recording encountered an error while writing to the log stream.

## System action

The system might issue message IFB100E prior to this message. See the explanation for message IFB100E for possible error conditions that might exist. Overflow will continue until the installation responds correctly to IFB100E.

## Operator response

Satisfy the conditions described for message IFB100E if applicable. Otherwise, contact your system programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

System Environmental Recording (Logrec)

## Module

IFBLOGBF

## Routing code

2,10

## Descriptor code

11

---

|         |  |
|---------|--|
| IFB099I | SETLOGRC COMMAND FAILURE. UNABLE TO CHANGE LOGREC MEDIUM<br>FROM <i>previous-setting</i> TO <i>desired-setting</i> {LOGGER DISABLED FOR THIS<br>IPL   LOGREC DATA SET NOT DEFINED} |
|---------|--|

---

**Explanation**

An error occurred while processing the SETLOGRC command.

**LOGGER DISABLED FOR THIS IPL**

Indicates that system logger services are unavailable for the life of this IPL.

**LOGREC DATA SET NOT DEFINED**

Indicates that the DATASET setting was desired, but the system was unsuccessful in changing the logrec recording medium because the data set *data set name* was not defined to the system at IPL.

**System action**

The SETLOGRC command did not complete successfully. The logrec recording medium was not changed. The system continues, but LOGREC records are not written. Logrec continues to save records internally to the logrec buffer, but only until that buffer is exhausted. When SETLOGRC is issued to functioning media, logrec writes the saved records. To avoid losing logrec records, ensure that you successfully issue SETLOGRC to functioning logrec media before the logrec buffer fills.

**Operator response**

If the problem points to an incorrect or unacceptable LOGREC media, specify a valid and usable LOGREC data set or log stream name. Otherwise, notify your system programmer.

**System programmer response**

If the problem was that system logger services will not be available for the life of the IPL, check your system configuration. It may not be appropriate to go to a log stream under your particular circumstances.

**Source**

System Environmental Recording (Logrec)

**Module**

IFBSETLG

**Routing code**

2,10

**Descriptor code**

5

|                |   |
|----------------|---|
| <b>IFB100E</b> | <b>LOGREC LOG STREAM ERROR ON SYSTEM <i>sysname</i> - RC=<i>xxxx-yyyy</i></b><br><b>explanation - <i>explanation_reason</i></b><br><b>LOG STREAM NAME:<i>log-stream-name</i></b><br><b>STRUCTURE NAME:<i>structure-name</i></b> |
|----------------|---|

**Explanation**

System logger returned a setup or environmental error to Logrec, and Logrec has halted recording to the logrec log stream. System programmer action is likely needed to restore Logrec recording.

In the message text:

***sysname***

The name of the system on which the logrec log stream failure occurred.

xxxx-yyy

The return and reason codes from the system logger service, see explanation and *explanation\_reason* for more information.

**explanation**

is one of the following:

**UNABLE TO CONNECT TO LOG STREAM - *conreason***

Indicates the error occurred after the IXGCONN macro was issued in an attempt to connect to the logrec log stream. See [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for a description of the IXGCONN return and reason codes.

**UNABLE TO WRITE TO LOG STREAM**

Indicates the error occurred after the IXGWRITE macro was issued in an attempt to write to the logrec log stream. See [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for a description of the IXGWRITE return and reason codes.

**DISCONNECT ERROR**

Indicates the error occurred after the IXGCONN macro was issued in an attempt to disconnect from the logrec log stream. See [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for a description of the IXGCONN return and reason codes.

***explanation\_reason***

Identifies the reason for the error, is one of the following:

**LOG STREAM NOT DEFINED**

The logrec log stream has not been defined to the system logger inventory. This error corresponds to IXGCONN reason code 80B.

**LOG STREAM DEFINED AS MODEL**

The logrec log stream has been defined to the system logger inventory as a model log stream. The error corresponds to IXGCONN reason code 820.

**STRUCTURE NOT DEFINED**

The system logger was unable to access the logrec log stream because the structure name associated with the log stream is not defined in the current XES policy. This error corresponds to IXGCONN reason code 811.

**SYSTEM LOGGER NOT AVAILABLE**

The system logger services are currently unavailable. This error corresponds to reason code 890 or 891.

**LOG STREAM DIRECTORY IS FULL**

The system logger was unable to process the write request because the coupling facility structure space allocated for the logrec log stream is full. Attempts to offload the coupling facility data to DASD have failed because the log stream's data set directory is full. No further write requests can be processed until enough log data is deleted from the log stream to free up space in the data set directory. This error corresponds to IXGWRITE reason code 85C.

**LS DIRECTORY FULL/OFFLOAD FAILED**

The system logger was unable to process the write request because the coupling facility structure space that is allocated for the logrec log stream is full. Attempts to offload the coupling facility data to DASD have failed. No further write requests can be processed until enough log data is deleted from the log stream to free up space in the data set directory. This error corresponds to IXGWRITE reason code 85D.

**STRUCTURE NOT AVAILABLE**

The system logger attempt to connect to the structure was prevented by XES. This error corresponds to reason codes 853, and 802.

**IMPROPER SAF AUTHORIZATION**

Logrec does not have proper SAF authorization to connect to the logrec log stream or the authority specified does not match the authority allowed. This error corresponds to IXGCONN reason code 80D.

**LOGGER DISABLED FOR THIS IPL**

The system logger services are unavailable for the life of this IPL. This error corresponds to IXGCONN reason code 814 or 82E.

***diagfld1,diagfld2,diagfld3,diagfld4***

Contains the system logger answer area diagnostic fields when the return and reason codes are unexpected.

***log-stream-name***

Identifies the name of the logrec log stream that had the error.

***structure-name***

Identifies the structure name associated with the logrec log stream that had the error.

**System action**

Logrec will record to buffers until buffers become full or the condition is corrected. If the buffers become full, logrec will stop recording records and logrec error and environmental records will be lost. When the condition is corrected, Logrec will write buffered and future records to the log stream when the condition clears. The system continues processing.

**Operator response**

Notify the system programmer.

**System programmer response**

Depending on the message text, do one of the following:

**LOG STREAM NOT DEFINED**

Define a logrec log stream to the system logger inventory using the IXCMIAPU utility program.

SYS1.SAMPLIB member IFBLSJCL can be used as an example of how to define a logrec log stream. Enter the SETLOGRC LOGSTREAM COMMAND to activate logrec log stream recording.

Alternately switch to an existing logrec log stream via the SETLOGRC LOGSTREAM=lsname command where lsname is the name of your target log stream.

Alternately switch to an existing logrec dataset via the SETLOGRC DATASET command.

**LOG STREAM DEFINED AS MODEL**

Switch to an existing logrec log stream via the SETLOGRC LOGSTREAM=lsname command where lsname is the name of your target log stream and is not a type MODEL.

If needed, define a logrec log stream to system logger inventory using the IXCMIAPU utility program.

SYS1.SAMPLIB member IFBLSJCL can be used as an example of how to define a logrec log stream. Enter the SETLOGRC COMMAND to activate logrec log stream recording.

If desired use IXCMIAPU to delete the model logstream and define a new log stream using that name or use the rename operation to move the model log stream.

Alternately switch to an existing logrec dataset via the SETLOGRC DATASET command.

**STRUCTURE NOT DEFINED**

Define the structure in the XES policy using the IXCMIAPU utility. Ensure that the structure and logrec log stream are defined in the system logger inventory using the utility program IXCMIAPU. Enter the SETLOGRC LOGSTREAM command to reactivate logrec log stream recording.

Alternately switch to an existing logrec dataset via the SETLOGRC DATASET command. You can also switch to a logrec log stream that connects to a valid log stream structure defined to the XES and LOGR policies or a DASDonly log stream via the SETLOGRC LOGSTREAM command.

**SYSTEM LOGGER NOT AVAILABLE**

System logger is not active at this time. See 'When the system logger address space fails' in Setting up a sysplex.

**LOG STREAM DIRECTORY IS FULL**  
**LS DIRECTORY FULL/OFFLOAD FAILED**

Run an EREP job that references the logrec log stream to copy some of the log stream data to a history data set. Then delete the data from the log stream. Enter the SETLOGRC LOGSTREAM command to reactivate the logrec log stream recording.

**STRUCTURE NOT AVAILABLE**

A error occured accessing a coupling facility structure by system logger. If the structure becomes available again, LOGREC will retry the failed writes. If the condition does not correct itself in a timely manner, logrec will write to internal buffers until they fill, if if they fill logrec data will be lost. See 'When the coupling facility structure fails' in Setting up a sysplex.

If the condition does not correct itself, use the SETLOGRC command to switch to a log stream in a different structure, or to data set recording.

**IMPROPER SAF AUTHORIZATION**

Logrec failed connecting to the log stream because a SAF authorization check failed. See 'Define authorization to system logger resources' in Setting up a sysplex for more assistance.

**LOGGER DISABLED FOR THIS IPL**

Logrec can not use log streams because logger is disabled in this environment. You should change the recording medium to data set by via the SETLOGRC DATASET command.

Otherwise, see *z/OS MVS Programming: Assembler Services Reference ABE-HSP* for the description of the IXGCONN or IXGWRITE return and reason codes. Contact IBM support if necessary action is not apparent.

**Source**

System Environmental Recording (Logrec)

**Module**

IFBLOGIN

**Routing code**

2,10

**Descriptor code**

3

---

|                |  |
|----------------|--|
| <b>IFB101I</b> | <b>LOGGER SUBSYSTEM (<i>ssname</i>) EXIT SYSTEM LOGGER SERVICE ERROR</b><br><b>DD=<i>ddname</i> EXIT=<i>exitname</i> FUNCTION=<i>function</i> SERVICE=<i>ixgservice</i></b><br><b>RETCODE=<i>retcode</i> RSNCODE=<i>rsncode</i> ANSDIAG=<i>diagfld1</i>, <i>diagfld2</i>,</b><br><b><i>diagfld3</i>, <i>diagfld4</i></b> |
|----------------|--|

**Explanation**

The system logger subsystem exit function for logrec encountered an error condition from the *ixgservice* service. In the message text:

***ssname***  
is the installation defined subsystem name for the system logger.

***ddname***  
is the name of the DD JCL statement or the equivalent dynamic allocation DD name with the SUBSYS= specification. The name will be blanks for a concatenated DD.

***exitname***  
is the name of the logrec exit (IFBSEXIT).

**OPEN**

Indicates that the subsystem Open exit function encountered the error.

**GET**

Indicates that the subsystem GET or READ exit access method function encountered the error.

**CLOSE**

Indicates that the subsystem Close exit function encountered the error.

**UNALLOCATION**

Indicates that the subsystem Unallocation exit function encountered the error.

***Ixgservice***

The name of the service that failed. For example, this could be IXGBRWSE or IXGCONN.

***retcode***

The return code from *ixgservice*.

***rsncode***

The reason code from *ixgservice*.

***diagfld1 – diagfld4***

The answer area, IXGANSAA, diagnostic fields 1–4.

**System action**

The job terminates for CONVERTER requests. The job step terminates for ALLOCATION requests of JCL DD SUBSYS= statements. Dynamic Allocation requests return with an error and the request is rejected.

**Operator response**

None.

**System programmer response**

None.

**User response**

See *z/OS MVS Programming: Assembler Services Reference IAR-XCT* for information about the system logger service and the associated return and reason code displayed in this message. Check the SUBSYS= specification and, if necessary, correct it and resubmit the job. If the problem persists, search problem reporting database for a fix for the problem. If no fix is found, contact the IBM support center.

**Programmer response**

Correct the SUBSYS= specification and resubmit the job or the dynamic allocation request.

**Source**

System logger (SCLOG)

**Module**

MANY

**Routing code**

11

**Descriptor code**

6

## Explanation

System logger has returned a temporary condition to Logrec, and Logrec has halted recording to the logrec log stream. Depending on the condition system logger will either offload the log stream data or complete the rebuild and post Logrec that it can continue processing. Although system programmer action is not immediately needed, log stream tuning may be needed to prevent future application delays. LOGREC will retry the operations when the temporary condition is relieved.

In the message text:

### ***sysname***

The name of the system on which the logrec log stream failure occurred.

### ***xxxx-yyy***

The return and reason codes from the system logger service, see explanation and *explanation\_reason* for more information.

### **explanation**

is one of the following:

#### **UNABLE TO CONNECT TO LOG STREAM - *conreason***

Indicates the error occurred after the IXGCONN macro was issued in an attempt to connect to the logrec log stream. See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for a description of the IXGCONN return and reason codes.

#### **UNABLE TO WRITE TO LOG STREAM**

Indicates the error occurred after the IXGWRITE macro was issued in an attempt to write to the logrec log stream. See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for a description of the IXGWRITE return and reason codes.

#### **DISCONNECT ERROR**

Indicates the error occurred after the IXGCONN macro was issued in an attempt to disconnect from the logrec log stream. See *z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG* for a description of the IXGCONN return and reason codes.

### ***explanation\_reason***

Identifies the reason for the error, is one of the following:

#### **STRUCTURE IS FULL**

The system logger was unable to process the request because the structure associated with the logrec log stream is full. This error corresponds to reason code 860, and 866.

#### **LOG STREAM IS NOT AVAILABLE**

The system logger was unable to access the logrec log stream. The primary reason is because the structure associated with the logrec log stream is being rebuilt, but it could be because the coupling facility or the structure failed. This error corresponds to reason codes 861 through 88F.

#### **STRUCTURE NOT AVAILABLE**

The system logger attempt to connect to the structure was prevented by XES. This error corresponds to reason code 8B0.

### ***log-stream-name***

Identifies the name of the logrec log stream that had the error.

### ***structure-name***

Identifies the structure name associated with the logrec log stream that had the error.



## System action

Logrec will write records to buffers. When the temporary condition ends, Logrec will be alerted from system logger that processing can continue. Logrec will write any buffered writes as well as new writes once signaled. The system continues processing.

## Operator response

Although this problem will likely clear itself up, it might be indicative of needed re-tuning of the log stream. Notify the system programmer if the condition occurs frequently.

## System programmer response

Depending on the reason code from system logger (yyyy), do one of the following:

### 0860, 0866

The coupling facility structure is full. Logger will offload the data in the coupling facility and alert LOGREC when complete. Logrec will continue writing. If this condition occurs frequently, this may indicate your logrec log stream is in need of tuning enhancements to provide greater availability to the log stream. See system programmer actions for IXGH007E or IXGH009E for directions.

### 0861, 0862, 08B0

The coupling facility structure is in the process of rebuilding due to a failure or connectivity loss. The rebuild process will likely connect the structure to another coupling facility and Logrec will continue writing to the log stream when the process completes. If the process fails, intervention may be needed to set up the coupling facility connections, or switch LOGREC to data set recording via SETLOGRC DATASET command. Look for messages IXG101I, IXG105I, IXG107I.

### 0865

The staging data set is full. Logger will offload the data in the staging data set and alert LOGREC when complete. Logrec will continue writing. If this condition occurs frequently, this may indicate a your logrec log stream is in need of tuning enhancements to provide greater availability of the log stream. See system programmer actions for IXGH008E for directions.

### 0867

This temporary reason describes two situations which are unlikely to occur for the logrec log stream. The first is one in which system logger is unable to obtain storage for local buffer space for the log stream request. The second is one in which logrec requested an excess of 10,000 incomplete writes to the log stream. Logrec will continue processing when these conditions are relieved. If this reason code is seen frequently, contact IBM support.

### 0868

A write to the log stream was requested when the staging data set was being formatted, Logrec will wait for this process to complete and continue writing to the log stream. No additional action is needed.

## Source

System Environmental Recording (Logrec)

## Module

IFBLOGIN

## Routing code

2,10

## Descriptor code

3

## Explanation

When you issued the SETLOGRC command to change the logrec recording medium to DATASET, the system encountered a problem.

In the message text:

### *function*

The logrec function during which the problem occurred. The following values are possible:

#### **ALLOCATE**

Logrec failed while allocating the new data set.

#### **OPEN**

Logrec failed while opening the new data set

#### **CLOSE**

Logrec failed while closing the old data set

### *data-set-name*

The name of the logrec data set for which the problem occurred.

### *retcode*

The return code from the function.

### *rsncode*

The reason code from the function. The following values are typical:

- When *function* is ALLOCATE, *rsncode* is typically SVC99. However, when a STORAGE OBTAIN failure occurs, *rsncode* is 'FFFFFFF'x.
- When *function* is OPEN, *rsncode* is 0.
- When *function* is CLOSE, *rsncode* is typically 0. However, when the logrec data set is closed after it was opened during system start processing, *rsncode* is 1. Also, when there is a LOAD failure of the CLOSE after the system start routine, *rsncode* is 'FFFFFFF'x.

## System action

The system continues processing. Logrec continues to save records internally to the logrec buffer, but only until that buffer is exhausted. When SETLOGRC is issued to functioning media, logrec writes the saved records. To avoid losing logrec records, ensure that you successfully issue SETLOGRC to functioning logrec media before the logrec buffer fills.

## Operator response

Check the return and reason codes against the function and data set to determine if any configuration problems exist. For ALLOCATION errors, see message [IFB112I](#) and look for any dynamic allocation messages. Resolve any problems that you find.

## Source

System Environmental Recording (logrec)

## Module

IFBLOGIN

## Routing code

2,10

## Descriptor code

3

---

**IFB112I**

*dynamic allocation messages*

## Explanation

This message contains dynamic allocation messages when the allocation of the logrec data set has problems after you use a SETLOGRC command.

## System action

The system continues processing.

## Operator response

Review the listed messages and message [IFB110I](#) to determine if any problems exist. Resolve any problems that you find.

## Source

System Environmental Recording (logrec)

## Module

IFBLOGIN

## Routing code

2,10

## Descriptor code

3



---

# Chapter 19. IFC messages

---

**IFC001I** **D=devtyp N=x F=track1\* L=track2\* S=recd\*\* DIP COMPLETE**

---

## Explanation

Produced by the IFCDIP00 program during the initialization of the logrec data set as specified on the SERERDS DD statement), this message describes the limits of the data set.

In the message text:

**devtyp**

The device type containing the Disk Initialization Program (DIP) service aid.

**x**

The hexadecimal representation of the device type code

**track1**

The address of the first track of the extent

**track2**

The address of the last track of the extent

**recd**

The starting address of the record entry area within the data set.

The asterisk indicates that hexadecimal representation causes 8-character printout, and two asterisks indicate that hexadecimal representation causes 10-character printout.

## System action

The system continues processing.

## Source

System Environmental Recording (LOGREC)

## Module

IFCDIP00

## Routing code

1

## Descriptor code

6

---

**IFC009I** **INVALID LOGREC DEVICE**

---

## Explanation

The SERERDS DD statement, which defines the logrec data set, specifies a device that the system does not support for logrec data set.

## System action

The system ends IFCDIP00 processing without initializing the logrec data set.

## System programmer response

Do the following:

1. Run IFCDIP00, referencing a device valid for the logrec data set on the SERERDS DD statement.
2. Use an updated copy of IFCDIP00 that reflects a valid direct access device for the logrec data set.

## Source

System Environmental Recording (LOGREC)

## Module

IFCDIP00

## Routing code

1

## Descriptor code

6

---

**IFC021I** LOGREC DATA SET CANNOT BE OPENED, DSN=*dsname*

## Explanation

The SERERDS DD statement is incorrectly coded. In the message text:

***dsname***

The name of the logrec data set.

## System action

The system ends IFCDIP00 processing.

## System programmer response

If the error recurs, run the SPZAP service aid program to dump the logrec data set. Specify the name of the logrec data set on the DSN= parameter in the SYSLIB DD statement and include an ABSDUMP control statement, specifying the extents of the data set, after the SYSIN DD statement. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the IFCDIP00 job as well as the output from the SPZAP program.

## Programmer response

Correct the DD statement. Run the IFCDIP00 program again.

## Source

System Environmental Recording (LOGREC)

## Module

IFCDIP00

## Routing code

1

## Descriptor code

6

---

**IFC026I****LOGREC DATA SET HEADER WRITE ERROR, DSN=*dsname***

---

## Explanation

An uncorrectable I/O error occurred as the IFCDIP00 program was writing the logrec data set header record.

***dsname***

The name of the logrec data set.

## System action

The system ends IFCDIP00 processing.

## System programmer response

If the error recurs, run the SPZAP service aid program to dump the logrec data set. Specify the name of the logrec data set on the DSN= parameter in the SYSLIB DD statement and include an ABSDUMP control statement, specifying the extents of the data set, after the SYSIN DD statement. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the program listing for the IFCDIP00 job as well as the output from the SPZAP program.

## Source

System Environmental Recording (LOGREC)

## Module

IFCDIP00

## Routing code

1

## Descriptor code

6

---

**IFC156I****INVALID PARM FIELD**

---

## Explanation

The PARM= option was specified on the EXEC statement.

## System action

The system abnormally ends the job.

## System programmer response

Remove the PARM parameter from the EXEC statement.

## Source

System Environmental Recording (LOGREC)

**Module**

IFCDIP00

**Routing code**

1

**Descriptor code**

6



---

## Chapter 20. IGD messages

---

**IGD001I**

**hh.mm.ss DEVSERV SMS [id]**

### Explanation

After the previous message, a heading appears:

```
UNITs
DTYPE MD VOLSER VOLSTAT STORGRP SGSTAT
```

Then one or more of the following lines appear:

```
dev dtdtxx
m volser volstat sname sgstat
dev dtdtxx m volser volstat
VOLUME NOT MANAGED BY SMS
dev dtdtxx m DEVICE TYPE IS NOT SUPPORTED BY DEVSERV SMS
```

Then one or more of the following lines might appear:

```
DEVICE
INFORMATION SERVICES INFORMATION TRUNCATED. RETURN CODE rc
NO OTHER DEVICES MEET SELECTION CRITERIA
NO DEVICES MEET SELECTION CRITERIA
```

Then the following lines appear:

```
***** LEGEND *****
A = ALLOCATED
M = MOUNT PENDING
O = ONLINE
F = OFFLINE
N = NOT ALLOCATED
P = PENDING OFFLINE
R = READ-ONLY
```

The operator entered a DEVSERV SMS command. The variables in the message text and their meanings are as follows:

#### **hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

#### **id**

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

#### **dev**

A device number.

#### **dtdtxx**

A device type (dtdt) and optional feature or model (xx).

#### **m**

The logical mode of the device, as follows:

- A - allocated
- F - offline
- M - mount pending
- O - online

- P - pending offline
- N - device cannot be allocated, a system component has the device allocated

***volser***

A volume serial.

***volstat***

The volume status. If the volume is managed by the storage management subsystem, the values for *volstat* are as follows:

- ENABLED
- QUIESCED
- QUIESCED/NEW
- DISABLED
- DISABLED/NEW

Otherwise, the valid values are (use attribute/mount attribute):

- PRIV/RESRV
- PRIV/REMOV
- PRIV/RSDNT
- PUB/RESRV
- PUB/REMOV
- PUB/RSDNT
- STRG/RESRV
- STRG/REMOV
- STRG/RSDNT

The use attribute might be blank if the volume is offline.

***sgname***

The storage group that contains the volume.

***sgstat***

The storage management subsystem status of the storage group. The values for *sgstat* are:

- ENABLED
- QUIESCED
- QUIESCED/NEW
- DISABLED
- DISABLED/NEW

***rc***

The return code from DEVINFO.

The display line '**dev,dtdtxx,m,volser,volstat, sgname,sgstat**' appears for every SMS managed volume.

The display line '**dev,dtdtxx,m,volser,volstat,VOLUME NOT MANAGED BY SMS**' appears for every device that DEVSERV supports, but for volumes that are not SMS managed.

The display line '**dev,dtdtxx,DEVICE TYPE IS NOT SUPPORTED BY DEVSERV SMS**' appears for every device that is not supported by DEVSERV SMS, with volumes that are not SMS managed.

The display line '**NO DEVICES MEET SELECTION CRITERIA**' appears when no devices meet the criteria.

The display line '**DEVICE INFORMATION SERVICES INFORMATION TRUNCATED. RETURN CODE rc**' appears when an error occurred in DEVINFO and caused the device information to be truncated.

The display line '**NO OTHER DEVICES MEET SELECTION CRITERIA**' appears when an insufficient number of devices meet the criteria.

## System action

The system continues processing.

## Operator response

If the display line '**DEVICE INFORMATION SERVICES INFORMATION TRUNCATED. RETURN CODE rc**' appears, tell your programming support personnel.

For any other display lines, you are not required to respond.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD002I**

***hh.mm.ss* DISPLAY SMS [*id*] NO CONFIGURATIONDATA AVAILABLE**

---

## Explanation

The operator entered the DISPLAY SMS command and there is no active configuration.

In the message text:

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

### ***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

## System action

The system continues processing.

## Operator response

Tell the system programmer about this message.

## Programmer response

Activate a storage management subsystem configuration.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

**IGD002I**

***hh.mm.ss DISPLAY SMS [id] text***

---

### Explanation

*text* is one of the following:

- SCDS = *dsname*
- ACDS = *dsname*
- COMMDS = *dsname*
- ACDS LEVEL = {z/OS *Vn.nn* | UNAVAIL}
- DINTERVAL = *int*
- REVERIFY = {YES|NO}
- ACSDEFAULTS = {YES|NO}
- SYSTEM CONFIGURATION LEVEL INTERVAL SECONDS
- 
- *sysnme year/mo/day hh:mm:ss nnn . . .*
- *sysnme year/mo/day hh:mm:ss nnn*

The operator entered the DISPLAY SMS,ACTIVE command.

In the message text:

#### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

#### ***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

If there is an active configuration, the display also includes the following information:

#### **SCDS*dsname***

The source control data set from which the active configuration was activated.

#### **ACDS *dsname***

The active control data set (ACDS).

#### **COMMDS *dsname***

The communications data set (COMMDS).

#### **ACDS\_LEVEL={z/OS *Vn.nn* | UNAVAIL}**

The z/OS version level of the active configuration data set.

The ACDS LEVEL shows the highest system release that the ACDS has been saved in. The ACDS LEVEL is UNAVAIL when the information is not available to be displayed, such as an error in the ACDS.

#### **Note:**

1. SETSMS SCDS(A.B.C) updates the ACDS LEVEL to the system release where the command gets issued. Be aware that, the command SETSMS SCDS(A.B.C) copies the content of the SCDS to the ACDS before building the active SMS configuration. Therefore, when issuing this command in the lower release, the SMS constructs that are introduced in the higher releases might not be available to the systems that are running higher releases anymore.

2. When IPL a system at a higher release system or any request that triggers an update to the ACDS on the higher release system, the ACDS LEVEL is updated to that release.

**INTERVAL *int***

The decimal number from 1 to 999 that specifies the number of seconds that should pass before SMS attempts to read statistics for control units with SMS-managed volumes attached.

**REVERIFY {YES|NO}**

An indication of when the storage management subsystem verifies a user's authority to allocate a new data set, use a storage class, or use a management class.

**YES**

SMS verifies a user's authority at both interpretation and processing time.

**NO**

SMS verifies a user's authority at only interpretation time. The default is NO.

**ACSDFAULTS {YES|NO}**

An indication of whether the storage management subsystem retrieves certain ACS routine variables from RACF; the default is NO.

**SYSTEM *sysname***

The systems and system groups in the SMS complex. Up to 32 systems may be displayed.

**CONFIGURATION LEVEL *year/mo/dy hh.mm***

The current level of the system configuration. The configuration level is expressed as a date/time stamp of the last configuration update. This update is performed every *nnn* number of seconds. The variables for the date stamp are:

***year***

The year, which can be any number from 1980 to 2155

***mo***

The month, which can be any number from 01 to 12

***dy***

The day, which can be any number from 01 to 31

The variables for the timestamp are the same as those in *hh.mm.ss*, which was described previously.

**INTERVAL SECONDS *nnn***

The INTERVAL value, which is a decimal number from 1 to 999. The INTERVAL value specifies the number of seconds that should elapse before a system attempts to synchronize its configuration with that of the other systems in the complex.

**System action**

The system continues processing.

**Operator response**

None.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

**Explanation**

The operator entered the DISPLAY SMS,ACTIVE command, and the storage management subsystem (SMS) configuration contains no systems.

In the message text:

***hh.mm.ss***

The time displayed in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

**System action**

Processing continues.

**System programmer response**

Activate an SMS configuration.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

**Explanation**

The operator entered the DISPLAY SMS,ACTIVE command, and the storage management subsystem (SMS) configuration has no communications data set.

In the message text:

***hh.mm.ss***

The time displayed in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

**System action**

Processing continues.

**System programmer response**

Provide a communications data set. Reenter the command.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

---

**IGD002I** *hh.mm.ss* **DISPLAY SMS [id]**

**Explanation**

Following the message, a heading appears:

```
SSID
DEVS READ WRITE HIT RATIO FW BYPASSES
```

Then the following line appears one or more times:

*ssid*  
*nn rr ww hr% fbb*

Then the following lines appear:

\*\*\*\*\* **LEGEND** \*\*\*\*\*

- SSID =**  
SUBSYSTEM IDENTIFIER
- DEVS =**  
NUMBER OF MANAGED DEVICES ATTACHED TO SUBSYSTEM
- READ =**  
PERCENT OF DATA ON MANAGED DEVICES ELIGIBLE FOR CACHING
- WRITE =**  
PERCENT OF DATA ON MANAGED DEVICES ELIGIBLE FOR FAST WRITE
- HIT RATIO =**  
PERCENT OF READS WITH CACHE HITS
- FW BYPASSES =**  
NUMBER OF FAST WRITE BYPASSES DUE TO NVS OVERLOAD

The operator entered a DISPLAY SMS,CACHE command. In response, this message shows the control variables and measured CACHE status for the subsystems that have SMS devices attached.

In the message text:

**hh.mm.ss**  
The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

***ssid***

The subsystem identifier for the data that follows.

***nn***

The number of SMS-managed devices attached to the subsystem.

***rr***

The percentage of SMS data, whose performance requirements do not require the cache to be met, on the devices that will be cached.

***ww***

The percentage of SMS data, whose performance requirements do not require the cache to be met, on the devices that use the fast write feature of the control unit.

***hr***

The percentage of read hits for all the devices attached to the subsystem.

***fb***

The number of DASD fast write bypasses per minute that occur on the subsystem due to an overload of nonvolatile storage.

**System action**

Processing continues.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

---

**IGD002I**

***hh.mm.ss* DISPLAY SMS [*id*] NO INFORMATION AVAILABLE**

**Explanation**

The operator entered the DISPLAY SMS,CACHE command, but SMS was unable to obtain the requested information.

In the message text:

***hh.mm.ss***

The time displayed in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.



# System action

Processing continues.

# Source

DFSMSdfp

# Routing code

2

# Descriptor code

5,8,9

|         |  |
|---------|--|
| IGD002I | <div><div><i>hh.mm.ss</i> DISPLAY SMS TRACE = {ON OFF} SIZE = {nnnnnn[K] nnnM}<br/>TYPE = {ERROR ALL} JOBNAME = {jjj *} ASID = {asid *}<br/>TRACING EVENTS:<br/>MODULE = stat SMSSJF = stat<br/>SMSSSI = stat ACSINT = stat<br/>OPCMD = stat CONFC = stat<br/>CDSC = stat CONFS = stat<br/>MSG = stat ERR = stat<br/>CONFR = stat CONFA = stat<br/>ACSPRO = stat IDAX = stat<br/>DISP = stat CATG = stat<br/>VOLREF = stat SCHEDP = stat<br/>SCHEDS = stat VTOCL = stat<br/>VTOCD = stat VTOCR = stat<br/>VTOCC = stat VTOCA = stat<br/>RCD = stat DCF = stat<br/>DPN = stat TVR = stat<br/>DSTACK = stat UAFF = stat<br/>VOLSELMSG = {ON OFF},{nnnn ALL}<br/>TYPE = stat JOBNAME = stat<br/>ASID = {asid *}<br/>STEPNAME = {stepname *}<br/>DSNAME = {dsname *}<br/>FAST_VOLSEL= {ON OFF}<br/>DEBUG= {ON OFF}</div></div> |
|---------|--|

# Explanation

The operator entered the DISPLAY SMS,TRACE or DISPLAY SMS,OPTIONS command. This command displays the storage management subsystem (SMS) trace parameters. When the operator enters the DISPLAY SMS,OPTIONS command, this message is displayed after message IGD002I, which displays the other PARMLIB parameters.

In the message text:

## *hh.mm.ss*

The time in hours (00–23), minutes (00–59), and seconds (00–59). If the time-of-day clock is not working, *hh.mm.ss* appears as 00:00:00.

## TRACE {ON|OFF}

Specifies one of the following trace options for SMS is to use. The default trace option is ON.

### ON

Turn on tracing.

**OFF**

Discontinue all tracing.

**SIZE = {nnnnnn[K]|nnnM}**

Specifies the size of the trace table. The default value is 128K. The default unit is kilobytes. You can specify the size of the trace table as follows:

**nnnnnn**

The size of the trace table in kilobytes, ranging from 0 to 255000. This value is rounded up to the nearest 4 KB unit.

**nnnnnnK**

The size of the trace table in kilobytes, ranging from 0K to 255000K. This value is rounded up to the nearest 4 KB unit.

**nnnM**

The size of the trace table in megabytes, ranging from 0M to 255M. This value is stored in kilobytes.

**TYPE = {ERROR|ALL}**

Specifies the type of trace entries to be traced. The default value is ERROR. Descriptions of the TYPE values follow:

**ERROR**

Trace error type of trace entries.

**ALL**

Trace all types of trace entries.

**JOBNAME = {jjj|\*}**

Specifies the tracing scope in relation to jobs. The default is \*. Descriptions of the JOBNAME values follow:

**jjj**

Tracing is limited to job *jjj*.

**\***

Tracing is performed for all jobs.

**ASID = {asid|\*}**

Specifies the tracing scope in relation to the address spaces. The default is \*. Descriptions of the ASID values follow:

**asid**

Tracing is limited to *asid*, which is the name of an address space.

**\***

Tracing is performed for all address spaces.

The rest of the display indicates which storage management subsystem events are selected for tracing. If the value of *stat* for an event is ON, that event is being traced. If the value is OFF, that event is not being traced. The SMS events and their abbreviations in the message display follow:

**MODULE = stat**

A module entry or exit.

**SMSSJF = stat**

The SMS and SJF interfaces.

**SMSSSI = stat**

The SMS and SSI interfaces.

**ACSINT = stat**

The ACS services interfaces.

**OPCMD = stat**

Operator commands.

**CONF C = stat**

Configuration changes.

**CDSC = stat**

Control data set changes.

**CONFS = stat**  
Configuration services.

**MSG = stat**  
Message services.

**ERR = stat**  
Error recovery and recording services.

**CONFR = stat**  
Return data from an active configuration.

**CONFA = stat**  
Activate a new configuration.

**ACSPRO = stat**  
Perform ACS processing.

**IDAX = stat**  
The SMS interpreter and dynamic allocation.

**DISP = stat**  
A disposition processing exit.

**CATG = stat**  
SMS catalog services.

**VOLREF = stat**  
SMS VOLREF services.

**SCHEDP = stat**  
Scheduling services, prelocate catalog orientation.

**SCHEDS = stat**  
Scheduling services, system select.

**VTOCL = stat**  
VTOC and data set services, allocate an existing data set.

**VTOCD = stat**  
VTOC and data set services, delete an existing data set.

**VTOCR = stat**  
VTOC and data set services, rename an existing data set.

**VTOCC = stat**  
VTOC and data set services, create a new data set.

**VTOCA = stat**  
VTOC and data set services, add a volume to a data set.

**RCD = stat**  
SMS recording services or SMS fast VTOC and VVDS access.

**DCF = stat**  
The device control facility.

**DPN = stat**  
The device pool select.

**TVR = stat**  
A tape volume record update.

**DSTACK = stat**  
Data set stacking SSI.

**UAFF = stat**  
Unit affinity.

**DEBUG=stat**  
Debug service.

**VOLSELMSG = (ON|OFF, nnnn)**  
controls the issuance of summarized and detailed volume selection analysis messages where:

**ON**

turns on the issuance of summarized and detailed analysis messages for volume selection.

**OFF**

turns off the issuance of summarized and detailed analysis messages for volume selection. This is the default value.

***nnnn***

is the number of volumes to be included in the detailed analysis messages. The range of this value is 0–65535. The default is 0 which indicates that no detailed analysis messages are issued.

**ALL**

indicates that all of the volumes that were used by volume selection are included in the detailed analysis messages.

**Note:** When VOLSEMSG(ON,*nnnn*|ALL) is specified, where *nnnn* is greater than zero and TYPE(ALL) is also specified then one of JOBNAME, ASID, DSNAME, or STEPNAME must also be specified.

**TYPE = {ERROR|ALL}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**JOBNAME = {*jjj*|\*}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**ASID = {*asid*|\*}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**STEPNAME = {*stepname*|\*}**

specifies the scope of the issuance of volume selection analysis messages in relation to a job step.

***stepname***

limits the scope volume selection analysis messages to the named job step.

**\***

indicates that the scope of volume selection analysis messages will not be limited by job step.

**DSNAME = {*dsname*|\*}**

specifies the scope of the issuance of volume selection analysis messages in relation to a data set.

***dsname***

limits the scope volume selection analysis messages to the named data set.

**\***

indicates that the scope of volume selection analysis messages will not be limited by data set.

**FAST\_VOLSEL****ON**

Fast volume selection function is on.

**OFF**

Fast volume selection function is off.

**System action**

System continues processing.

**System programmer response**

Verify the values of the parameters. Take action if needed.

**Programmer response**

None. This is an informational message only.

## Source

Storage management subsystem (SMS)

## Module

IGDOPCDO

## Routing code

2

## Descriptor code

5,8,9

---

**IGD002I**

***hh.mm.ss DISPLAY SMS idtext***

---

## Explanation

The operator entered a DISPLAY SMS,OPTIONS command. This command displays all of the available storage management subsystem (SMS) parameters except trace parameters. The DFSMS Transactional VSAM Services (DFSMSStvs) parameters are available only when DFSMSStvs is active on the system.

*text* looks as follows:

```
ACDS      = dsname

COMMD5    = dsname
ACDS LEVEL = z/OS Vx.xx | UNAVAIL
SMS PARMLIB MEMBER NAME = IGDSMSnn
INTERVAL = nnn          DINTERVAL = nnn
SMF_TIME = {YES|NO}     CACHETIME = nnnnn
CF_TIME = nnnnn        PDSE_RESTARTABLE_AS = {YES|NO}
PDSE_BMFTIME = nnnnn    PDSE1_BMFTIME = nnnnn
PDSE_LRUTIME = nn       PDSE1_LRUTIME = nn
PDSE_LRUCYCLES = nnn    PDSE1_LRUCYCLES = nnn
LOCAL_DEADLOCK = nnnn   GLOBAL_DEADLOCK = nnnn
REVERIFY = {YES|NO}     DSNTYPE = {(LIBRARY|PDS|HFS),1|2}

ACSDDEFAULTS = {YES|NO} PDSESHARING = {NORMAL|EXTENDED}
OVRD_EXPDT = {YES|NO}   SYSTEMS = {8|32}
PDSE_HSP_SIZE = nnnMB   PDSE1_HSP_SIZE = nnnMB
USE_RESOWNER = {YES|NO} RLS_MAX_POOL_SIZE = nnnnMB
RLSINIT = {YES|NO}      RLSTMOU = nnnn
CICSVR_INIT = {YES|NO}  COMPRESS = {GENERIC|TAILORED}
[LOG_OF_LOGS = logstreamid
RLS_RECOV_LOGGING = {YES|NO}
QTIMEOUT = nnn
TVSNAME = nnn
AKP = nnn
TVS_START_TYPE = {WARM|COLD}
MAXLOCKS = (max,incr)]
TVSAMCOM = (minval,maxval)
CICSVR_DSNAME_PREFIX = {user prefix|DWW}
CICSVR_RCDS_PREFIX = {rcds_prefix|DWW}
CICSVR_GRPNAME_SUFFIX = {grpname_suffix | PROD}

CICSVR_ZZVALUE_PARM = {zzvalue | blank string}

CICSVR_UNDOLOG_CONTROL = { undo log string | blank string}

CICSVR_UNDOLOG_PREFIX = {undo log prefix | DWW}

CICSVR_BACKOUT_CONTROL = { back out control string | blank string}

CICSVR_GENERAL_CONTROL = {general control string | blank string}

IGD002I hh.mm.ss DISPLAY SMS id

Rls_MaxCfFeatureLevel = { cache feature | Z}

RlsAboveTheBarMaxPoolSize = nnnnn   RlsFixedPoolSize = nnnnn

PDSE_MONITOR = (YES|NO,interval,duration) PDSE1_MONITOR = (YES|NO,interval,duration)
PDSE_DIRECTORY_STORAGE = nnnnM   PDSE1_DIRECTORY_STORAGE = nnnnM

PDSE_BUFFER_BEYOND_CLOSE = {YES | NO}   PDSE1_BUFFER_BEYOND_CLOSE
= {YES | NO}
GDS_RECLAIM = {YES | NO}   DSSTIMEOUT = nnnn
```

```

BLOCKTOKENSIZE = {REQUIRE | NOREQUIRE}      FAST_VOLSEL = {ON | OFF}

USEEAV = {YES | NO}      BREAKPOINTVALUE = {nnnnn | 10}

OAMPROC = procname      SUPPRESS_DRMSGs = {YES|NO}
OAMTASK = taskid      PDSE_SYSEVENT_DONTSWAP = {YES|NO}

DB2SSID = ssid      SAM_USE_HPF = {YES|NO}

CA_RECLAIM = {NONE | DATACLAS}
PS_EXT_VERSION = {1|2}      VSAM_ZHYPERLINK = {YES|NO}
HONOR_DSNTYPE_PDSE = NO      PDSE_VERSION = 1
SUPPRESS_SMSMSG = IGD17002I(NO ) IGD17054I(NO ) IGD17227I(NO ) IGD17395I(NO )
MAXGENS_LIMIT = maxgenlimit
USER_ACSVAR = (value1,value2,value3)
PDSE_PENDING_DELETE_INTERVAL = nnnn
ACS_LOGWRITES = ENABLE | DISABLE
ACS_ROUTINE_DEBUG = {(ENABLE,JOBLVL(ALL | jobname)) | (DISABLE)}

TRACE      = stat      SIZE = nnnK      TYPE = {ERROR | ALL}

JOBNAME = {jobname | *}      ASID = {asid | *}

TRACING EVENTS:
MODULE = stat      SMSSJF = stat      SMSSSI = stat      ACSINT = stat
OPCMD = stat      CONFC = stat      CDSC = stat      CONF5 = stat
MSG = stat      ERR = stat      CONFR = stat      CONFA = stat
ACSPRO = stat      IDAX = stat      DISP = stat      CATG = stat
VOLREF = stat      SCHEDP = stat      SCHEDS = stat      VTOCL = stat
VTOCD = stat      VTOCR = stat      VTOCC = stat      VTOCA = stat
RCD = stat      DCF = stat      DPN = stat      TVR = stat
DSTACK = stat      UAFF = stat      DEBUG = stat
VOLSELMSG = (ON|OFF|,0|nnnn|ALL)      TYPE = stat      JOBNAME = {jobname
| *}
      ASID = {asid | *}      STEPNAME = {stepname | *}
      DSNAME = {dsname | *}

```

In the message text:

#### **hh.mm.ss**

The time in hours (00–23), minutes (00–59), and seconds (00–59). If the time-of-day clock is not working, *hh.mm.ss* appears as 00:00:00.

#### **id**

A three-digit decimal identification number that you can use with the MVS CONTROL C,D command to halt the printing or display of this status information that is in progress on either of these consoles:

- A printer console that is not the printed medium
- A display console that does not have a display area

#### **ACDS = dsname**

Specifies the name of the active control data set, *dsname*.

#### **COMMDS = dsname**

Specifies the name of the communications data set, *dsname*.

#### **ACDS\_LEVEL={z/OS Vn.nn | UNAVAIL}**

The z/OS version level of the active configuration data set.

The ACDS LEVEL shows the highest system release that the ACDS has been saved in. The ACDS LEVEL is UNAVAIL when the information is not available to be displayed, such as an error in the ACDS.

#### **Note:**

1. SETSMS SCDS(A.B.C) will update the ACDS LEVEL to the system release where the command gets issued. Be aware that, the command SETSMS SCDS(A.B.C) will copy the content of the SCDS to the ACDS before building the active SMS configuration. Therefore, when issuing this command in the lower release, the SMS constructs that are introduced in the higher releases may not be available to the systems that are running higher releases anymore.
2. When IPL a system at a higher release system or any request that triggers an update to the ACDS on the higher release system, the ACDS LEVEL will be updated to that release.

#### **SMS PARMLIB MEMBER NAME = IGDSMSnn**

Displays the full IGDSMSxx parmlib member name used during the initialization of SMS address space.

**INTERVAL = *nnn***

Specifies the synchronization interval, *nnn*, which is the number of seconds between system checks of the COMMDS for information about SMS configuration changes from other systems in the SMS complex. The default is 15 seconds.

**DINTERVAL = *nnn***

Specifies the number of seconds, *nnn*, that SMS waits between reading device statistics from the control unit. The default is 150 seconds.

**SMF\_TIME = {YES|NO}**

Determines whether DFSMSdfp creates SMF type-42 records at the expiration of the SMF time interval, synchronized with SMF and RMF data intervals. The default value is YES.

**YES**

DFSMSdfp listens for the SMF event-notification signal and create the specified SMF records.

**NO**

DFSMSdfp does not create any SMF type-42 records.

**CACHETIME = *nnnnn***

Specifies the number of seconds, *nnnnn*, that SMS waits between recording SMF records for device cache use. The default is 3600 seconds.

**CF\_TIME = *nnnnn***

Specifies the interval, in seconds, *nnnnn*, between recording SMF record 42 (subtypes 15, 16, 17, 18) for use of the coupling facility by the SMSVSAM address space. The SMF\_TIME keyword, if set to YES, overrides the CF\_TIME keyword. The value of *nnnnn* is in the range 0–86399. The default value is 3600.

**PDSE\_RESTARTABLE\_AS = {YES | NO}**

Specifies whether PDSE initialization during IPL NIP processing brings up a second restartable PDSE address space.

**PDSE\_BMFTIME = *nnnnn* | PDSE1\_BMFTIME = *nnnnn***

Specifies the number of seconds, *nnnnn*, that SMS waits between recording SMF type 42 subtype 1 records for buffer management facility (BMF) cache use and SMF type 42 subtype 6 interval records in SMSPDSE or SMSPDSE1 address space. The default is 3600 seconds.

**PDSE\_LRUTIME = *nn* | PDSE1\_LRUTIME = *nn***

Specifies the number of seconds, *nn*, that the buffer management facility(BMF) waits between calls to the BMF data space cache LRU (least recently used) routine in SMSPDSE Or SMSPDSE1 address space. The value of *nn* is in the range of 5-60. The default is 15 seconds.

**PDSE\_LRUCYCLE = *nnn* | PDSE1\_LRUCYCLE = *nnn***

Specified the maximum number of times, *nnn*, that the buffer manager facility (BMF) least Recently used (LRU) routine passes over inactive buffers before making them available for reuse in SMSPDSE or SMSPDSE1 address space. The value of *nn* in the range of 5-240. The default is 240 cycles.

**LOCAL\_DEADLOCK = *nnnn***

Specifies the length in seconds, *nnnn*, of the local deadlock detection interval. The value of *nnnn* is in the range 1–9999. The default is 15 seconds.

**GLOBAL\_DEADLOCK = *nnnn***

Specifies the number of local deadlock cycles, *nnnn*, that must expire before global deadlock detection is to be performed. The value of *nnnn* is in the range 1–9999. The default is 4 cycles.

**REVERIFY = {YES|NO}**

Determines whether SMS verifies a user's authority to allocate a new data set and use a storage or management class at both job interpretation time and run time or only at job interpretation time. The default value is NO.

**YES**

SMS verifies a user's authority at both job interpretation time and run time.

**NO**

SMS verifies a user's authority only at interpretation time.

**DSNTYPE = {(LIBRARY|PDS|HFS),1|2}**

Determines the system default value of the DSNTYPE parameter for new SMS-managed data sets. The default value is PDS.

**LIBRARY**

A new SMS-managed data set is allocated as a partitioned data set extended (PDSE) if the value of DSNTYPE is not specified in the job control language (JCL) data definition (DD) statement or in the data class. Newly created SMS-managed data sets default to PDSEs. If LIBRARY is specified, it might be followed by a numeric version number:

**1**

indicates a conventional PDSE (version 1). This is the default and is equivalent to not specifying a version number.

**2**

indicates a version 2 PDSE.

**PDS**

A new SMS-managed data set is allocated as a partitioned data set (PDS) if the value of DSNTYPE is not specified in the JCL DD statement or in the data class.

**HFS**

A new SMS-managed data set is allocated as a hierarchical file system (HFS) data set if the value of DSNTYPE is not specified in the JCL DD statement or in the data class.

**ACSDEFAULTS = {YES|NO}**

Determines whether SMS initializes the following automatic class selection (ACS) routine variables from an additional call to RACF, a component of the Security Server for z/OS. The default value is NO.

- &APPLIC
- &DEF\_DATACLAS
- &DEF\_MGMTCLAS
- &DEF\_STORCLAS

**YES**

SMS retrieves these ACS routine variables from RACF.

**NO**

SMS does not retrieve any ACS routine variables from RACF.

**PDSESHARING = {NORMAL|EXTENDED}**

Specifies how PDSEs are shared across systems in a sysplex. The default value is NORMAL.

**NORMAL**

Users share read access to PDSEs across systems in the sysplex.

**EXTENDED**

Users share read and write access to PDSEs across systems in the sysplex.

**OVRD\_EXPDT = {YES|NO}**

Determines whether an expiration date or retention period for SMS-managed DASD data sets is overridden when deletion is requested through JCL, SVC 99, IEHPROGM, or ISPF or PDF. The default value is NO.

**YES**

Data sets are deleted whether or not the expiration date or retention period has passed.

**NO**

Any expiration date or retention period is honored.

**SYSTEMS = {8|32}**

Specifies the maximum number of unique system names and system group names that you can specify in the SMS configuration.

**HSP\_SIZE = *nnn*MB**

Specifies the size of the Hiperspace that controls the amount of expanded storage that the PDSE allocates. The value of *nnn* is in the range 0–512. The default is 256 MB.



**USE\_RESOWNER = {YES|NO}**

Specifies whether SMS determines the owner (user or group defined by RACF) of an SMS-managed data set protected by the profile. The default value is YES.

**YES**

SMS extracts the owner of an SMS-managed data set from the owner profile.

**NO**

The owner of an SMS-managed data set is the user ID.

**RLS\_MAX\_POOL\_SIZE = nnnn MB**

Specifies the maximum size in megabytes of the SMSVSAM local buffer pool. SMSVSAM attempts to limit the size of the buffer pool to this value, but might exceed this storage amount temporarily. Because SMSVSAM manages buffer pool space dynamically, this value does not set a static size for the buffer pool.

**RLSINIT = {YES|NO}**

Determines whether the SMSVSAM address space is started, to bring up VSAM record-level sharing (RLS), as part of the system initialization. The default value is NO.

**YES**

SMSVSAM server is initialized at IPL time.

**NO**

SMSVSAM server is not active after IPL.

**RLSTMOUT = nnnn**

Specifies the maximum time, in seconds, that a VSAM RLS or DFSMStvs request is to wait for a required lock before the request is assumed to be in deadlock and abnormally ended with return code 8 and reason code 22. The value is in the range 0–9999. The default is 0 seconds (no time out).

**COMPRESS = {GENERIC|TAILORED}**

Specifies the method to compress a SAM data set. The default value is GENERIC.

**GENERIC**

The compression management service uses the original dictionary-building-block (DBB) solution to compress the data set.

**TAILORED**

The compression management service uses the tailored dictionaries, which are built by scanning up to 500K of user data. The dictionaries are imbedded in the SAM data set.

**rlstmoutlogstreamid**

Specifies the log stream for DFSMStvs to use as its log of logs. This log contains copies of the tie-up records and file-close records written to forward recovery logs, which forward recovery products use. The default is to use no log of logs. The *logstreamid* value can be up to 26 characters long.

**QTIMEOUT = nnnn**

Specifies the quiesce exit timeout value in seconds; that is, the amount of time that the DFSMStvs quiesce exits allow to elapse before concluding that a quiesce cannot be completed successfully. The value is in the range 60–3600. The default is 300 seconds.

**TVSNAME = nnn**

Specifies the identifier that uniquely identifies the instance of DFSMStvs running on the system. The value is in the range 0–255. There is no default value.

**AKP = nnn**

Specifies the activity-keypoint trigger value, which is the number of logging operations between the taking of keypoints. The value is in the range 200–65535. The default is 1000.

**TV\_START\_TYPE = {WARM|COLD}**

Specifies the type of start that DFSMStvs is to perform. The default is WARM.

**WARM**

DFSMStvs reads its undo log and processes the information it finds in accordance with the information that resource recovery services (RRS) has about any outstanding units of recovery.

**COLD**

DFSMStvs deletes any information that remains in the undo log and starts as if the log were empty.

**MAXLOCKS = (max,incr)**

Specifies two values: the maximum number of locks that a single unit of recovery can hold before the warning message IGW859I is issued to the system console, and an increment value. After the maximum is reached, the warning message is issued every time the number of locks held over and above the maximum is the multiple of the increment. The *max* and *incr* values are in the range 0–999999. The default value for both is 0. It is invalid for *max* to be 0 and *incr* to be greater than 0.

**TVSAMCOM = (minval,maxval)**

Specifies the minimum and the maximum for a range of number of update requests that will be used by Transactional VSAM to determine when and if to call RRS services to issue a commit point on behalf of the batch application. Transactional VSAM will adjust the commit frequency to a number between these two values based on record lock analysis for the current unit of recovery. The values are in the range of 0 to 99999. A value of 0 for both numbers means that no automatic commits will be performed by transactional VSAM for the units of recovery using the value specified in the IGDSMSxx PARMLIB member.

**CICSVR\_INIT = {YES|NO}**

Determines whether the CICSVR address space is started as part of the system initialization. The default value is NO.

**YES**

The CICSVR address space is active after IPL.

**NO**

The CICSVR address space is not active after IPL.

**LOG\_OF\_LOGS = logstreamid**

Specifies the log stream for DFSMStvs to use as its log of logs. This log contains copies of the tie-up records and file-close records written to forward recovery logs, which forward recovery products use. The default is to use no log of logs. The *logstreamid* value can be up to 26 characters long.

**RLS\_RECOV\_LOGGING = {YES|NO}**

Specifies whether the SMSVSAM address space will start with VSAM Record Level Sharing (RLS) Replication Logging Support (write the replication log records to the log stream) the next time SMSVSAM address space is initialized on this system.

**YES**

Start the SMSVSAM address space with VSAM RLS Replication Logging Support.

VSAM RLS will write the replication log records to the log stream for the updates to eligible data sets defined with the IDCAMS LOGREPLICATE parameter. When VSAM RLS is initialized with Replication Logging Support, the following commands are also available:

```
DISPLAY SMS,LOG(log stream id|ALL)
DISPLAY SMS,DSNAME(data set name)
VARY SMS,LOG(logstreamid),QUIESCE|Q|DISABLE|D|ENABLE|E
```

For more information about these commands refer to [z/OS MVS System Commands](#).

**NO**

Start the SMSVSAM address space without VSAM RLS Replication Logging Support.

VSAM RLS batch opens for non-recoverable data sets defined with the IDCAMS LOGREPLICATE parameter will fail.

Default: **NO**

**Rls\_DynamicCfCacheReassign = {YES|NO}**

Determines whether the dynamic cache can be reassigned during SMSVAM processing. The default value is NO.

**Rls\_MaxCfFeatureLevel = {cache feature | Z}**

Specifies the cache feature level. The default value is Z.

**RlsFixedPoolSize = nnnnnnnnMB**

Specifies the amount of total real storage (above and below the 2 gigabytes bar) is to be permanently fixed on the systems. It is used by VSAM RLS to manage the real storage. The range is 0 or 500MB-20000000MB. The default value is zero.

**PDSE\_MONITOR = (YES | NO, *interval*, *duration*) | PDSE1\_MONITOR = (YES | NO, *interval*, *duration*)**

Determine whether SM needs to monitor SMSPDSE or SMSPDSE1 address space. The value of *interval* is the monitoring *interval* in seconds in the range 0-1440. The value of *duration* is the monitoring duration in seconds in the range of 0-1440. The default value is (YES, 0, 0).

**PDSE\_DIRECTORY\_STORAGE = *nnnn* | PDSE1\_DIRECTORY\_STORAGE = *nnnn***

Specifies the size in megabytes or gigabytes of 64-bits virtual storage that is used to cache PDSE directory buffer in the SMSPDSE or SMSPDSE1 address space. The range of the value is 64M to 16G. The default value is 2G.

**PDSE\_BUFFER\_BEYOND\_CLOSE = YES | NO | PDSE1\_BUFFER\_BEYOND\_CLOSE = YES | NO**

Specifies whether to keep directory and member data in storage beyond the last close of a PDSE dataset for the SMSPDSE or SMSPDSE1 address space. If NO option is specified, the PDSE's directory and member data will be purged from the in-memory cache when the last close on this system of the data set occurs. If tge YES option is specified, the PDSE's directory and member data will be retained the in-memory cache beyond the last close of the data set. The default value is NO.

**GDS\_RECLAIM = {YES | NO}**

Determines whether generation data set (GDS) reclaim processing is applied. The default value is YES.

**YES**

GDS reclaim processing is to be done.

**NO**

GDS reclaim processing is not to be done.

**DSSTIMEOUT = *nnn***

Specifies the number of seconds that the dss component of DFMSMS will wait during backup processing for quiesce data set requests to complete.

**BLOCKTOKENSIZE = {REQUIRE | NOREQUIRE}**

Specified whether the large format data set is highly restricted. If the value is REQUIRE, the large Format Data Set is highly restricted.

**FAST\_VOLSEL = ON | OFF**

Specifies whether the summarized and detail volume selection analysis messages will be issued or not. Nnnn or ALL is the number of volumes or all volumes which are included in the scope of issuance of the detailed volume selection analysis messages. The range is 0-65535. The default values is (OFF,0).

**USEEAV = {YES | NO}**

Displays the value of the keyword that controls the allocation of new data sets on EAVs. Existing data sets on EAVs can still be accessed.

**YES**

Full use of EAVs is allowed.

**NO**

New data sets cannot be allocated on EAVs. Existing data sets on EAVs can be accessed and extended on the EAVs that they reside on, but they cannot be extended to a new EAV. This is the default when SMS is active in the system.

When SMS is not active in the system, USEEAV is not available and the installation must use alternate means to control the usage of EAVs.

**BreakPointValue = (0-65520)**

Sets the value in cylinders that is used in determining whether DADSM will direct an allocation to the cylinder-managed space of an EAV or to the track-managed space. The value is also used by SMS in ranking volumes during the volume selection process. If the value is not specified by the user, then a default value of 10 cylinders is assigned by the system.

When SMS is not active in the system, BreakPointValue has no meaning and the default value of 10 cylinders is assigned by the system.

**OAMPROC=*procname***

Specifies the name of the procedure that is to start the OAM address space when SMS is initialized. You must specify this keyword if you want the OAM address space to be started during IPL. The procedure name can be from one to eight characters.

**SUPPRESS\_DRMSGS = {YES | NO}**

Determines whether SMS will issue DELETE and RENAME error messages to the hardcopy log and the joblog.

**YES**

SMS will suppress these messages

**NO**

SMS will not suppress these messages. This is the default.

**OAMTASK=taskid**

Specifies the ID of the task that is to be used to start the OAM address space. The task ID can be from one to eight characters.

**PDSE\_SYSEVENT\_DONTSWAP = {YES | NO}**

Specifies whether tasks entering the PDSE address spaces will be made non-swappable while they are in the address space. The default value is NO.

**DB2SSID=ssid**

Specifies the name of the Db2<sup>®</sup> subsystem used by Object Access Method (OAM) for object storage. *ssid* can be from one to four characters.

**SAM\_USE\_HPF={YES|NO}**

Specifies whether BAM will use HPF when it is available. HPF can be enabled by specifying ZHPF=YES on the ZHPF statement in the IECIOSxx parmlib member.

**YES**

BAM uses HPF when it is available and enabled. SMS sets on a new bit in the DFA, DFASAMHPF.

**NO**

BAM does not use HPF. The DFASAMHPF bit in the DFA control block is set off and BAM does not use HPF.

**CA\_RECLAIM={NONE|DATACLAS}**

Specifies the usage of CA Reclaim for KSDSs. The default is NONE.

**NONE**

None of the KSDSs will be using CA reclaim, regardless of the data class specifications.

**DATACLAS**

Go by the data class specification of the CA Reclaim=Y|N at definition or ALTER time for the KSDS.

**VSAM\_ZHYPERLINK(YES|NO)**

Specifies whether VSAM data sets are eligible to exploit zHyperLink on this system.

**NO**

Disables zHyperLink for all VSAM data sets on this system.

**Default:** YES

**YES**

Make the VSAM data sets on this system eligible for zHyperLink.

**Note:** The 'YES' option makes the VSAM data sets on this system eligible for zHyperLink. There are other conditions that must be satisfied before an I/O is done with zHyperLink for the data sets. See [Working with data sets](#) for the complete list of conditions.

**HONOR\_DSNTYPE\_PDSE={YES|NO}**

Specifies how SMS will handle the specification of DSNTYPE=LIBRARY or HFS on the JCL or in the DATA CLASS. The default is NO.

**YES**

If DSNTYPE=LIBRARY or HFS is specified then SMS will create (HONOR) the specified type of PDSE even if the DSORG is not set to PO and there are no directory blocks specified.

**NO**

DSORG must be set to PO or directory blocks must be specified for SMS to HONOR the DSNTYPE that is specified else a physical sequential data set will be created.

**SUPPRESS\_SMSMSG = {IGD17002I(YES|NO)IGD17054I(YES|NO) IGD17227I(YES|NO) IGD17395I(YES|NO)}**

Specifies whether these specific messages are to be issued or suppressed. The default is NO to not suppress these messages.

**Note:** IGD17002I is used to specify whether SMS suppresses or issues message IGD17002I on the console.

**YES**

Specified message will be suppressed.

**NO**

Specified message will be issued.

**PDSE\_VERSION = {1|2}**

Specifies the PDSE version that the system will create. Default is 1. Note that this value for PDSE version will be used only if PDSE\_VERSION is not specified on the JCL.

**TRACE {ON | OFF}**

Specifies one of the following trace options for SMS is to use. The default trace option is ON.

**ON**

Turn on tracing.

**OFF**

Discontinue all tracing.

**SIZE = {nnnnnn[K] | nnnM}**

Specifies the size of the trace table. The default value is 128K. The default unit is kilobytes. You can specify the size of the trace table as follows:

**nnnnnn**

The size of the trace table in kilobytes, ranging from 0 to 255000. This value is rounded up to the nearest 4 KB unit.

**nnnnnnK**

The size of the trace table in kilobytes, ranging from 0K to 255000K. This value is rounded up to the nearest 4 KB unit.

**nnnM**

The size of the trace table in megabytes, ranging from 0M to 255M. This value is stored in kilobytes.

**TYPE = {ERROR | ALL}**

Specifies the type of trace entries to be traced. The default value is ERROR. Descriptions of the TYPE values follow:

**ERROR**

Trace error type of trace entries.

**ALL**

Trace all types of trace entries.

**JOBNAME = {jjj|\*}**

Specifies the tracing scope in relation to jobs. The default is \*. Descriptions of the JOBNAME values follow:

**jjj**

Tracing is limited to job *jjj*.

**\***

Tracing is performed for all jobs.

**ASID = {asid|\*}**

Specifies the tracing scope in relation to the address spaces. The default is \*. Descriptions of the ASID values follow:

**asid**

Tracing is limited to *asid*, which is the name of an address space.

**\***

Tracing is performed for all address spaces.

**MAXGENS\_LIMIT=***maxgenlimit*

Specifies the value for MAXGENS\_LIMIT, which sets the upper limit for the number of generations for members of version 2 PDSEs, specified by the MAXGENS keyword of the DD statement in JCL. *maxgenlimit* can be from zero to 2,000,000,000.

**USER\_ACSVAR = (value1, value2, value3)**

Specifies user-defined values used with SMS automatic class selection (ACS) routines. The default for each value is blank.

**ACS\_LOGWRITES = ENABLE | DISABLE**

Controls the LOGWRITES command in the SMS ACS routines. ENABLE causes a logrec entry to be created for any ACS log routine which executes the LOGWRITES command. DISABLE(default) causes the ACS LOGWRITES command to be ignored.

**ACS\_ROUTINE\_DEBUG = {(ENABLE,JOBLVL(ALL | *jobname*)) | (DISABLE)}**

Indicates whether additional ACS WRITE statements are enabled or disabled to print to the job log.

**ENABLE,JOBLVL(ALL)**

Additional ACS WRITE statements to print to the job log for all jobs.

**ENABLE,JOBLVL(*jobname*)**

Additional ACS WRITE statements to print to the job log for the specified job log if it matches the current running job.

**DISABLE**

No additional ACS WRITE statements to print to the job log for any jobs.

**PDSE\_PENDING\_DELETE\_INTERVAL = *nnnn***

Specifies the interval, in minutes, between automatic pending delete processing. This is intended for installations that have PDSEs that are left open for output for long periods of time. Normally, pending delete processing is performed only when the first open for output occurs on a system. For more information, refer to *z/OS MVS Initialization and Tuning Reference*.

The rest of the display indicates which storage management subsystem events are selected for tracing. If the value of *stat* for an event is ON, that event is being traced. If the value is OFF, that event is not being traced. The SMS events and their abbreviations in the message display follow:

**MODULE = *stat***

A module entry or exit.

**SMSSJF = *stat***

The SMS and SJF interfaces.

**SMSSSI = *stat***

The SMS and SSI interfaces.

**ACSINT = *stat***

The ACS services interfaces.

**OPCMD = *stat***

Operator commands.

**CONF = *stat***

Configuration changes.

**CDSC = *stat***

Control data set changes.

**CONF = *stat***

Configuration services.

**MSG = *stat***

Message services.

**ERR = *stat***

Error recovery and recording services.

**CONFR = *stat***

Return data from an active configuration.

**CONFA = stat**

Activate a new configuration.

**ACSPRO = stat**

Perform ACS processing.

**IDAX = stat**

The SMS interpreter and dynamic allocation.

**DISP = stat**

A disposition processing exit.

**CATG = stat**

SMS catalog services.

**VOLREF = stat**

SMS VOLREF services.

**SCHEDP = stat**

Scheduling services, prelocate catalog orientation.

**SCHEDS = stat**

Scheduling services, system select.

**VTOCL = stat**

VTOC and data set services, allocate an existing data set.

**VTOCD = stat**

VTOC and data set services, delete an existing data set.

**VTOCR = stat**

VTOC and data set services, rename an existing data set.

**VTOCC = stat**

VTOC and data set services, create a new data set.

**VTOCA = stat**

VTOC and data set services, add a volume to a data set.

**RCD = stat**

SMS recording services or SMS fast VTOC and VVDS access.

**DPN = stat**

The device pool select.

**TVR = stat**

A tape volume record update.

**DSTACK = stat**

Data set stacking SSI.

**UAFF=stat**

Unit Affinity.

**DEBUG = stat**

Debug Service

**VOLSELMSG = ({ON | OFF},nnnn | ALL)**

controls the issuance of summarized and detailed volume selection analysis messages where:

**ON**

turns on the issuance of summarized and detailed analysis messages for volume selection.

**OFF**

turns off the issuance of summarized and detailed analysis messages for volume selection. This is the default value.

**nnnn**

is the number of volumes to be included in the detailed analysis messages. The range of this value is 0–65535. The default is 0 which indicates that no detailed analysis messages will be issued.

**ALL**

indicates that all of the volumes that were used by volume selection are included in the detailed analysis messages.

**Note:** When VOLSEMSG(ON,nnnn|ALL) is specified, where nnnn is greater than zero and TYPE(ALL) is also specified then one of JOBNAME, ASID, DSNAME, or STEPNAME must also be specified.

**TYPE = {ERROR|ALL}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**JOBNAME = {j|j|\*}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**ASID = {asid|\*}**

This parameter is described earlier in this message description. It applies to both tracing and the issuance of volume selection messages. It is displayed here as it applies to the issuance of volume selection messages.

**STEPNAME = {stepname|\*}**

specifies the scope of the issuance of volume selection analysis messages in relation to a job step.

**stepname**

limits the scope volume selection analysis messages to the named job step.

**\***

indicates that the scope of volume selection analysis messages will not be limited by job step.

**DSNAME = {dsname|\*}**

specifies the scope of the issuance of volume selection analysis messages in relation to a data set.

**dsname**

limits the scope volume selection analysis messages to the named data set.

**\***

indicates that the scope of volume selection analysis messages will not be limited by data set.

**SUPPRESS\_DRMSGS = {YES | NO}**

Determines whether SMS will issue DELETE and RENAME error messages to the hardcopy log and the joblog.

**YES**

SMS will suppress these messages

**NO**

SMS will not suppress these messages. This is the default.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

Verify the values of the parameters. Take action if needed.

**Programmer response**

None. This is an informational message only.

**Problem determination**

None



## Storage management subsystem (SMS)

## IGDOPCDO

## 2

5,8,9

## IGD002I *hh.mm.ss* DISPLAY SMS [*id*]

The following heading appears:

VOLUME UNIT SYSTEM= 12345678      STORGRP NAME

Then the following line appears at least once:

```
volser uuuu ttaa s s s s s s s sgname
```

Then the following lines appear:

\*\*\*\*\* LEGEND \*\*\*\*\*

THE STORAGE GROUP OR VOLUME IS NOT DEFINED TO THE SYSTEM

**+** THE STORAGE GROUP OR VOLUME IS ENABLED

THE STORAGE GROUP OR VOLUME IS DISABLED, which means that all allocation types are not allowed on this volume.

\* THE STORAGE GROUP OR VOLUME IS QUIESCED

**D** THE STORAGE GROUP OR VOLUME IS DISABLED FOR NEW ALLOCATIONS ONLY, which means the new allocation is not allowed on this volume, but extending any old/existing data sets on this volume is allowed is for DISABLE ALL , which means all allocation types are not allowed on this volume.

**Q** THE STORAGE GROUP OR VOLUME IS QUIESCED FOR NEW ALLOCATIONS ONLY

/ THE VOLUME IS QUIESCED FOR NEW ALLOCATIONS BY THE SYSTEM

= THE VOLUME IS DISABLED FOR NEW ALLOCATIONS BY THE SYSTEM

\*\*\*\*\* LEGEND \*\*\*\*\*  
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME  
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

```

SYSTEM 1 = sysname  SYSTEM 2 = sysname  SYSTEM 3 = sysname
SYSTEM 4 = sysname  SYSTEM 5 = sysname  SYSTEM 6 = sysname
SYSTEM 7 = sysname  SYSTEM 8 = sysname  SYSTEM 9 = sysname
SYSTEM 10= sysname  SYSTEM 11= sysname  SYSTEM 12= sysname
SYSTEM 13= svsnme   SYSTEM 14= svsnme   SYSTEM 15= svsnme

```

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| SYSTEM 16= sysname | SYSTEM 17= sysname | SYSTEM 18= sysname |
| SYSTEM 19= sysname | SYSTEM 20= sysname | SYSTEM 21= sysname |
| SYSTEM 22= sysname | SYSTEM 23= sysname | SYSTEM 24= sysname |
| SYSTEM 25= sysname | SYSTEM 26= sysname | SYSTEM 27= sysname |
| SYSTEM 28= sysname | SYSTEM 29= sysname | SYSTEM 30= sysname |
| SYSTEM 31= sysname | SYSTEM 32= sysname |                    |

The operator entered the DISPLAY SMS,VOLUME command. This message displays status information for the volume, which is in the storage group, with respect to the systems or system groups in the complex. (If the volume serial is not SMS managed, message IGD005I appears instead of this message display.)

In the message text:

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

**id**

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

**uuuu**

The device number on the system or system group where the operator issued the command.

**ttaa**

The status and access mode of each volume from the local host system, as follows:

Status values:

**BX**

The device is boxed.

**NR**

The device is not ready.

**OF**

The device is offline.

**PO**

The device is pending online.

**ON**

The device is online.

Access-mode values:

**RO**

The device permits read-only access.

**RW**

The device permits read-write access.

**s**

The status with respect to the systems or system groups in the complex, as follows:

- not defined to the system
- + enabled
- disabled
- \* quiesced
- D disabled for only new allocations

## Q

quiesced for only new allocations

### **sysname**

The systems or system groups in the SMS complex.

### **System action**

The system continues processing.

### **Source**

DFSMSDfp

### **Routing code**

2

### **Descriptor code**

5,8,9

IGD002I

*hh.mm.ss* DISPLAY SMS *id* STORGRP TYPE SYSTEM= 1 2 3 4 5 6 7 8

### **Explanation**

The information for the storage groups is displayed as follows:

*sgname type s s s s s s s s*

The following is also displayed for each storage group:

SPACE INFORMATION:

*space-information*

Lines that follow include a legend that describes the codes that are used in the message text.

```
***** LEGEND *****
. THE STORAGE GROUP OR VOLUME IS NOT DEFINED TO THE SYSTEM
+ THE STORAGE GROUP OR VOLUME IS ENABLED
- THE STORAGE GROUP OR VOLUME IS DISABLED
* THE STORAGE GROUP OR VOLUME IS QUIESCED
D THE STORAGE GROUP OR VOLUME IS DISABLED FOR NEW ALLOCATIONS ONLY
Q THE STORAGE GROUP OR VOLUME IS QUIESCED FOR NEW ALLOCATIONS ONLY
> THE VOLSER IN UCB IS DIFFERENT FROM THE VOLSER IN CONFIGURATION
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME
/ THE VOLUME IS QUIESCED FOR NEW ALLOCATIONS BY THE SYSTEM
= THE VOLUME IS DISABLED FOR NEW ALLOCATIONS BY THE SYSTEM
SYSTEM 1 = sysname  SYSTEM 2 = sysname  SYSTEM 3 = sysname
SYSTEM 4 = sysname  SYSTEM 5 = sysname  SYSTEM 6 = sysname
SYSTEM 7 = sysname  SYSTEM 8 = sysname  SYSTEM 9 = sysname
SYSTEM 10= sysname  SYSTEM 11= sysname  SYSTEM 12= sysname
SYSTEM 13= sysname  SYSTEM 14= sysname  SYSTEM 15= sysname
SYSTEM 16= sysname  SYSTEM 17= sysname  SYSTEM 18= sysname
SYSTEM 19= sysname  SYSTEM 20= sysname  SYSTEM 21= sysname
SYSTEM 22= sysname  SYSTEM 23= sysname  SYSTEM 24= sysname
SYSTEM 25= sysname  SYSTEM 26= sysname  SYSTEM 27= sysname
SYSTEM 28= sysname  SYSTEM 29= sysname  SYSTEM 30= sysname
SYSTEM 31= sysname  SYSTEM 32= sysname
```

The operator entered either the DFSMS DISPLAY SMS,STORGRP(*sgname*) command, the DFSMS DISPLAY SMS,STORGRP(ALL) command, or the DFSMS DISPLAY SMS,STORGRP(ALERT) command. The message displays status information for storage group *sgname* or for all storage groups with respect to the systems or system groups in the complex.

In the message text:

**hh.mm.ss**

The time in hours (00–23), minutes (00–59), and seconds (00–59). If the time-of-day clock is not working, *hh.mm.ss* appears as 00:00:00.

**id**

A three-digit decimal identification number that you can use with the MVS CONTROL C,D command to halt the printing or display of this status information that is in progress on either of these consoles:

- A printer console that is not the printed medium
- A display console that does not have a display area

**sgname**

The storage group.

**type**

The type of storage group:

**Blank**

Unknown type

**COPYTARG**

Copy target

**DUMMY****OBJECT**

Object

**OBJECTB**

Object backup

**POOL**

Pool

**TAPE**

Tape

**VIO**

Virtual I/O

**s**

The status of the storage group with respect to the systems or system groups in the complex:

- Not defined to the system
- + Enabled
- DISABLE ALL , which means all allocation types are not allowed on this volume.
- \* Quiesced
- D DISABLE NEW, which means the new allocation is not allowed on this volume, but extending any old/ existing data sets on this volume is allowed.
- Q Quiesced only for new allocations

The values Q and \* are not valid statuses for OBJECT, OBJECTB, or TAPE storage groups.

**space-information**

One of the following:

- TOTAL SPACE = *nnnnnnnn*MB USAGE% = *nn* ALERT% = *nn*  
TRACK-MANAGED SPACE = *nnnnnnnn*MB USAGE% = *nn* ALERT% = *nn*
- NOT AVAILABLE TO BE DISPLAYED. None of the volumes are online and enabled for this system.

- UPDATE STILL IN PROGRESS. The update process of space information for this storage group is still in progress.

### ***sysname***

The systems or system groups in the SMS complex.

If the operator entered the DISPLAY SMS, STORGRP(*sgname*) command and *sgname* is not defined to the active configuration, then message IGD004I COMMAND REJECTED STORAGE GROUP *sgname* IS NOT DEFINED appears instead of message IGD002I.

If the operator entered the DISPLAY SMS,STORGRP(ALERT) command and none of storage groups in the active configuration has reached either the total space alert threshold or the track-managed alert threshold, then message IGD004I NO STORAGE GROUPS HAVE REACHED THEIR ALERT THRESHOLDS appears instead of message IGD002I.

## **System action**

The system continues processing.

## **Operator response**

If SPACE INFORMATION shows UPDATE STILL IN PROGRESS, you may issue the following command to force the space information to be updated sooner for this storage group:

```
V SMS,{STORGRP(storgrp)|SG(storgrp)|VOLUME(volser)|VOL(volser)},{SPACE|S}
```

## **System programmer response**

None

## **Programmer response**

None

## **Problem determination**

None

## **Source**

Storage management subsystem (SMS)

## **Module**

IGDOPCSV

## **Routing code**

2

## **Descriptor code**

5,8,9

---

|                |  |
|----------------|--|
| <b>IGD002I</b> | <b><i>hh.mm.ss</i> DISPLAY SMS <i>id</i> STORGRP TYPE SYSTEM=1 2 3 4 5 6 7 8</b> |
|----------------|--|

---

## **Explanation**

The information for the storage groups is displayed as follows:

*sgname*    *type*    *s s s s s s s s*

The following is also displayed for each storage group:

SPACE INFORMATION:  
*space-information*

The following line may appear:

THE  
ABOVE STORAGE GROUP(S) CONTAIN(S) NO VOLUMES

The following lines may appear:

| VOLUME | UNIT | MVS | SYSTEM= 12345678 | STORGRP | NAME | volser | dev | s | s | s | s | s | s | s | s | sgname |
|--------|------|-----|------------------|---------|------|--------|-----|---|---|---|---|---|---|---|---|--------|
|--------|------|-----|------------------|---------|------|--------|-----|---|---|---|---|---|---|---|---|--------|

Possible values in the MVS column include:

- BX - the device is boxed
- NR - the device is not ready
- OF - the device is offline
- PO - the device is pending offline
- RO - the device permits read-only access
- RW - the device permits read-write access.

The following may appear:

LISTVOL IS IGNORED FOR OBJECT  
AND OBJECT BACKUP STORAGE GROUPS

Lines that follow include a legend that describes the codes that are used in the message text.

\*\*\*\*\* LEGEND \*\*\*\*\*  
. THE STORAGE GROUP OR VOLUME IS NOT DEFINED TO THE SYSTEM  
+ THE STORAGE GROUP OR VOLUME IS ENABLED  
- THE STORAGE GROUP OR VOLUME IS DISABLED  
\* THE STORAGE GROUP OR VOLUME IS QUIESCED  
D THE STORAGE GROUP OR VOLUME IS DISABLED FOR NEW ALLOCATIONS ONLY  
Q THE STORAGE GROUP OR VOLUME IS QUIESCED FOR NEW ALLOCATIONS ONLY  
> THE VOLSER IN UCB IS DIFFERENT FROM THE VOLSER IN CONFIGURATION  
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME  
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME  
/ THE VOLUME IS QUIESCED FOR NEW ALLOCATIONS BY THE SYSTEM  
= THE VOLUME IS DISABLED FOR NEW ALLOCATIONS BY THE SYSTEM  
SYSTEM 1 = sysname    SYSTEM 2 = sysname    SYSTEM 3 = sysname  
SYSTEM 4 = sysname    SYSTEM 5 = sysname    SYSTEM 6 = sysname  
SYSTEM 7 = sysname    SYSTEM 8 = sysname    SYSTEM 9 = sysname  
SYSTEM 10= sysname    SYSTEM 11= sysname    SYSTEM 12= sysname  
SYSTEM 13= sysname    SYSTEM 14= sysname    SYSTEM 15= sysname  
SYSTEM 16= sysname    SYSTEM 17= sysname    SYSTEM 18= sysname  
SYSTEM 19= sysname    SYSTEM 20= sysname    SYSTEM 21= sysname  
SYSTEM 22= sysname    SYSTEM 23= sysname    SYSTEM 24= sysname  
SYSTEM 25= sysname    SYSTEM 26= sysname    SYSTEM 27= sysname  
SYSTEM 28= sysname    SYSTEM 29= sysname    SYSTEM 30= sysname  
SYSTEM 31= sysname    SYSTEM 32= sysname

TOTAL SPACE

The Total Space for Storage Group value is the total capacity of all the online volumes belonging to storage group for all of the volumes that have a status of ENABLE. QUINEW and DISNEW not included in this count.

USAGE%

Percentage of used total space among the enabled volumes.

ALERT%

This is pointing to the Total Space Alert Threshold % attribute specified in your Storage Group.

TRACK-MANAGED SPACE

The Total Space for Storage Group value is the total capacity of all the Track-Managed Space belonging to storage group for all of the volumes that have a status of ENABLE. QUINEW and DISNEW not included in this count.

USAGE%

Percentage of used TRACK-MANAGED space among the enabled volumes.

ALERT%

This is pointing to the Track-Managed Space Alert Threshold % attribute specified in your Storage Group.

If the operator entered the DISPLAY SMS,STORGRP(*sgname*),LISTVOL command and:

- storage group *sgname* is not defined to the active configuration, message 'IGD004I COMMAND REJECTED STORAGE GROUP *sgname* IS NOT DEFINED' appears instead of this message display.
- storage group *sgname* is defined to the active configuration, but contains no volumes, then the display line, THE ABOVE STORAGE GROUP(S) CONTAIN(S) NO VOLUMES, appears.
- storage group is defined to the active configuration, but is an object or object backup storage group, then the display line, LISTVOL IS IGNORED FOR OBJECT AND OBJECT BACKUP STORAGE GROUPS, appears.

If the operator entered the DISPLAY SMS,STORGRP(ALERT),LISTVOL command and none of the storage groups in the active configuration has reached either the total space alert threshold or the track-managed alert threshold, then message IGD004I NO STORAGE GROUPS HAVE REACHED THEIR ALERT THRESHOLDS appears instead of message IGD002I.

System action

System continues processing.

Operator response

If trying to display the optical or tape volumes belonging to a storage group, use the Volume List option under ISMF to display all valid optical and tape volumes.

If SPACE INFORMATION shows UPDATE STILL IN PROGRESS, you may issue the following command to force the space information to be updated sooner for this storage group:

```
V SMS,{STORGRP(storgrp)|SG(storgrp)|VOLUME(volser)|VOL(volser)},{SPACE|S}
```

Source

Storage Management Subsystem (SMS)

Module

IGDOPCSV

Routing code

2

Descriptor code

5,8,9

|         |   |
|---------|---|
| IGD002I | <i>hh.mm.ss</i> DISPLAY SMS [ <i>id</i> ] NO STORAGE GROUPS DEFINED IN ACTIVE CONFIGURATION |
|---------|---|

## Explanation

The operator entered the DISPLAY SMS,STORGRP(*sgname*),LISTVOL command and there are no storage groups defined in the active configuration.

In the message text:

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

### ***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD002I** *hh.mm.ss* DISPLAY SMS *id* LIBRARY CLASS SYSTEM=12345678

---

## Explanation

The following line may appear repeatedly:

***libname class s s s s s s***

The following line may appear repeatedly:

```
libname OPTICAL  
LIBRARY IS NOT A REAL LIBRARY
```

Then the following lines appear:

\*\*\*\*\* LEGEND \*\*\*\*\*

- THE LIBRARY IS NOT DEFINED TO THE SYSTEM
- + THE LIBRARY IS ONLINE
- THE LIBRARY IS OFFLINE
- P** THE LIBRARY IS PENDING OFFLINE

```
***** LEGEND *****  
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME
```



#### N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| SYSTEM 1 = sysname | SYSTEM 2 = sysname | SYSTEM 3 = sysname |
| SYSTEM 4 = sysname | SYSTEM 5 = sysname | SYSTEM 6 = sysname |
| SYSTEM 7 = sysname | SYSTEM 8 = sysname | SYSTEM 9 = sysname |
| SYSTEM 10= sysname | SYSTEM 11= sysname | SYSTEM 12= sysname |
| SYSTEM 13= sysname | SYSTEM 14= sysname | SYSTEM 15= sysname |
| SYSTEM 16= sysname | SYSTEM 17= sysname | SYSTEM 18= sysname |
| SYSTEM 19= sysname | SYSTEM 20= sysname | SYSTEM 21= sysname |
| SYSTEM 22= sysname | SYSTEM 23= sysname | SYSTEM 24= sysname |
| SYSTEM 25= sysname | SYSTEM 26= sysname | SYSTEM 27= sysname |
| SYSTEM 28= sysname | SYSTEM 29= sysname | SYSTEM 30= sysname |
| SYSTEM 31= sysname | SYSTEM 32= sysname |                    |

The operator entered either the DISPLAY SMS,LIBRARY(*libname*) command or the DISPLAY SMS,LIBRARY(ALL) command. The message displays status information for library *libname* or for all libraries with respect to the systems or system groups in the complex.

In the message text:

#### **hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

#### **id**

A three-digit decimal identification number. *id* is used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles
- being displayed inline (in other words, not in a display area) on a display console.

#### **libname**

The library.

#### **class**

The type of library, as follows:

##### **OPTICAL**

Optical

##### **TAPE**

Tape

#### **s**

The status of the library with respect to the system or system group in the complex. *s* can be:

- not defined to the system
- + enabled
- disabled

#### **P**

Pending offline

#### **sysname**

The systems or system groups in the SMS complex.

If the operator entered the DISPLAY SMS,LIBRARY(*libname*),LISTDRI command and *libname* is the name of a pseudo library, then message IGD004I, THE SPECIFIED OPTICAL LIBRARY IS NOT A REAL LIBRARY, appears instead of this message display. No pseudo library can be displayed.

If issuing a DISPLAY SMS,LIB(ALL) command and there is a pseudo library in the configuration, then the message, *libname* OPTICAL LIBRARY IS NOT A REAL LIBRARY, appears. No pseudo libraries can be displayed.

System action

System continues processing.

Source

Storage Management Subsystem (SMS)

Module

IGDOPCDL

Routing code

2

Descriptor code

5,8,9

IGD002I hh.mm.ss DISPLAY SMS id

Explanation

|         |       |         |   |   |   |   |   |   |   |   |         |       |   |   |   |   |   |   |   |
|---------|-------|---------|---|---|---|---|---|---|---|---|---------|-------|---|---|---|---|---|---|---|
| LIBRARY | CLASS | SYSTEM= | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | libname | class | s | s | s | s | s | s | s |
|---------|-------|---------|---|---|---|---|---|---|---|---|---------|-------|---|---|---|---|---|---|---|

The following line may appear:

THE ABOVE LIBRARY(S) CONTAIN(S)  
NO DRIVES

The following lines may appear:

|       |         |         |   |   |   |   |   |   |   |   |         |         |   |   |   |   |   |   |   |
|-------|---------|---------|---|---|---|---|---|---|---|---|---------|---------|---|---|---|---|---|---|---|
| DRIVE | LIBRARY | SYSTEM= | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | drvname | libname | s | s | s | s | s | s | s |
|-------|---------|---------|---|---|---|---|---|---|---|---|---------|---------|---|---|---|---|---|---|---|

The following line may appear:

LISTDRI IS IGNORED FOR PSEUDO  
AND  
TAPE LIBRARIES

The following line may appear:

NO  
DRIVES DEFINED IN SMS ACDS

Then the following lines appear:

\*\*\*\*\* LEGEND \*\*\*\*\*

- . THE LIBRARY OR DRIVE IS NOT DEFINED TO THE SYSTEM
- + THE LIBRARY OR DRIVE IS ONLINE
- THE LIBRARY OR DRIVE IS OFFLINE
- P THE LIBRARY IS PENDING OFFLINE

\*\*\*\*\* LEGEND \*\*\*\*\*  
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME  
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

|                     |                     |                     |
|---------------------|---------------------|---------------------|
| SYSTEM 1 = sysname  | SYSTEM 2 = sysname  | SYSTEM 3 = sysname  |
| SYSTEM 4 = sysname  | SYSTEM 5 = sysname  | SYSTEM 6 = sysname  |
| SYSTEM 7 = sysname  | SYSTEM 8 = sysname  | SYSTEM 9 = sysname  |
| SYSTEM 10 = sysname | SYSTEM 11 = sysname | SYSTEM 12 = sysname |
| SYSTEM 13 = sysname | SYSTEM 14 = sysname | SYSTEM 15 = sysname |
| SYSTEM 16 = sysname | SYSTEM 17 = sysname | SYSTEM 18 = sysname |
| SYSTEM 19 = sysname | SYSTEM 20 = sysname | SYSTEM 21 = sysname |
| SYSTEM 22 = sysname | SYSTEM 23 = sysname | SYSTEM 24 = sysname |
| SYSTEM 25 = sysname | SYSTEM 26 = sysname | SYSTEM 27 = sysname |
| SYSTEM 28 = sysname | SYSTEM 29 = sysname | SYSTEM 30 = sysname |
| SYSTEM 31 = sysname | SYSTEM 32 = sysname |                     |

The operator entered either the DISPLAY SMS,LIBRARY(*libname*),LISTDRI command or the DISPLAY SMS,LIBRARY(ALL),LISTDRI command. The message displays status information for the following with respect to the systems or system groups in the complex:

- One library name *libname* and all the drives that are defined to it
- All library names and all the drives that are defined to each library name

In the message text:

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

**id**

A three-digit decimal identification number. *id* is used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles
- being displayed inline (in other words, not in a display area) on a display console.

**libname**

A library.

**class**

The type of library, as follows:

**OPTICAL**

Optical

**TAPE**

Tape

**s**

The status of the library with respect to the systems or system groups in the complex. *s* can be:

- not defined to the system
- +** enabled
- disabled

**P**

Pending offline

**drvname**

A drive.

**libname**

The library in which *drvname* resides.

**s**

The status of the drive with respect to the systems or system groups in the complex. *s* can be:

- Not defined to the system

- + Online
- Offline

**sysname**

The systems or system groups in the SMS complex.

If the operator entered either the DISPLAY SMS,LIBRARY(*libname*), LISTDRI or the DISPLAY SMS,LIBRARY(ALL),LISTDRI command and no drives were defined to the library, then THE ABOVE LIBRARY(S) CONTAIN(S) NO DRIVES appears.

If the operator entered either the DISPLAY SMS,LIBRARY(*libname*), LISTDRI or the DISPLAY SMS,LIBRARY(ALL),LISTDRI command and no drives were defined to the active configuration, then NO DRIVES DEFINED IN SMS ACDS appears.

The LISTDRI keyword and processing is ignored for pseudo libraries. If the operator entered the DISPLAY SMS,LIBRARY(ALL),LISTDRI command and there are pseudo libraries in the configuration, then LISTDRI IS IGNORED FOR PSEUDO AND TAPE LIBRARIES appears.

The LISTDRI keyword and processing is ignored for tape libraries. If the operator entered the DISPLAY SMS,LIBRARY(*libname*),LISTDRI command and *libname* is a tape library, or if the operator entered the DISPLAY SMS,LIBRARY(ALL),LISTDRI command and there are tape libraries in the configuration, then LISTDRI IS IGNORED FOR PSEUDO AND TAPE LIBRARIES appears.

**System action**

System continues processing.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDOPCDL

**Routing code**

2

**Descriptor code**

5,8,9

|                |  |
|----------------|--|
| <b>IGD002I</b> | <div> <div>hh.mm.ss DISPLAY SMS [id]</div> <div>DRIVE LIBRARY SYSTEM=12345678drv lib s s s s s s</div> <div>s</div> </div> |
|----------------|--|

**Explanation**

Then the following lines appear:

\*\*\*\*\*

**LEGEND \*\*\*\*\***

- THE DRIVE IS NOT DEFINED TO THE SYSTEM
- + THE DRIVE IS ONLINE

-  
THE DRIVE IS OFFLINE

```
***** LEGEND *****
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

SYSTEM 1 = sysname  SYSTEM 2 = sysname  SYSTEM 3 = sysname
SYSTEM 4 = sysname  SYSTEM 5 = sysname  SYSTEM 6 = sysname
SYSTEM 7 = sysname  SYSTEM 8 = sysname  SYSTEM 9 = sysname
SYSTEM 10= sysname  SYSTEM 11= sysname  SYSTEM 12= sysname
SYSTEM 13= sysname  SYSTEM 14= sysname  SYSTEM 15= sysname
SYSTEM 16= sysname  SYSTEM 17= sysname  SYSTEM 18= sysname
SYSTEM 19= sysname  SYSTEM 20= sysname  SYSTEM 21= sysname
SYSTEM 22= sysname  SYSTEM 23= sysname  SYSTEM 24= sysname
SYSTEM 25= sysname  SYSTEM 26= sysname  SYSTEM 27= sysname
SYSTEM 28= sysname  SYSTEM 29= sysname  SYSTEM 30= sysname
SYSTEM 31= sysname  SYSTEM 32= sysname
```

The operator entered either the DISPLAY SMS,DRIVE(drvname) command or the DISPLAY SMS,DRIVE(ALL) command. The message displays status information for the drive, drvname, or for all drives with respect to the systems or system groups in the complex.

In the message text:

**hh.mm.ss**

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, hh.mm.ss appears as 00.00.00.

**id**

A three-digit decimal identification number. *id* is used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles
- being displayed inline (in other words, not in a display area) on a display console.

**drvname**

The drive.

**libname**

The library to which the drive is defined.

**s**

The status of the library with respect to the systems or system group in the complex, as follows:

- Not defined to the system
- + Online
- Offline

**sysname**

The systems or system groups in the SMS complex.

**System action**

The system continues processing.

**Source**

DFSMSdfp

**Routing code**

## Descriptor code

5,8,9

---

**IGD002I**

***hh.mm.ss* DISPLAY SMS [*id*]  
NO LIBRARIES DEFINED INTHE SMS ACDS.**

## Explanation

The operator entered a DISPLAY SMS LIBRARY command. There are no libraries defined in the active configuration.

In the message text:

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

### ***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

## System action

The system rejects the command.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD002I**

***hh.mm.ss* DISPLAY SMS [*id*] NO DRIVES DEFINED INTHE SMS ACDS.**

## Explanation

The operator entered a DISPLAY SMS DRIVE command. There are no drives defined in the active configuration.

In the message text:

### ***hh.mm.ss***

The time in hours (00-23), minutes (00-59), and seconds (00-59). If the time of day clock is not working, *hh.mm.ss* appears as 00.00.00.

### ***id***

A three-digit decimal identification number used with the CONTROL C,D command to cancel status displays that are:

- being written on typewriter or printer consoles; or
- being displayed inline (in other words, not in a display area) on a display console.

## System action

The system rejects the command.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD002I****ACTIVE DATA SET SEPARATION PROFILE NAME: *profile***

---

## Explanation

The operator entered the DISPLAY SMS,SEP command. This command displays the separation profile name. This message is displayed when a separation profile was specified.

In the message text:

### ***profile***

The name of the data set separation profile

## System action

Processing continues.

## Operator response

None

## Programmer response

None

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDOPCDA

---

**IGD002I****A DATA SET SEPARATION PROFILE IS NOT ACTIVE.**

---

## Explanation

The operator entered the DISPLAY SMS,SEP command. This command displays the separation profile name. This message is displayed when no separation profile was specified.

## System action

Processing continues.

## Operator response

Notify the storage administrator.

## Programmer response

Add the separation profile.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDOPCDA

---

|                |   |
|----------------|---|
| <b>IGD002I</b> | <b><i>hh.mm.ss</i> DISPLAY SMS <i>id</i> VOLSELMSG = ({ON OFF},{nnn ALL}<br/>JOBNAME = {jjj *} ASID = {asid/*} SPEPNAME = {stepname/*} DSNAME<br/>= {dsname/*}<br/>PARAMETERS RELATED TO SMS TRACING ARE:<br/>TRACE = {}<br/>SIZE = {nnnK M}<br/>TYPE = {ERROR ALL}<br/>JOBNAME = {jjj *}<br/>ASID = {asid/*}</b> |
|----------------|---|

---

## Explanation

The operator entered the DISPLAY SMS,VOLSELMSG command. The command displays all the parameters related to the issuance of the volume selection analysis messages. Also displayed are some parameters that are shared between SMS Tracing and volume selection analysis messages.

In the message text:

### ***hh.mm.ss***

The time in hours (00–23), minutes (00–59), and seconds (00–59). If the time-of-day clock is not working, *hh.mm.ss* appears as 00:00:00.

### ***id***

A three-digit decimal identification number that you can use with the MVS CONTROL C,D command to halt the printing or display of this status information that is in progress on either of these consoles:

- A printer console that is not the printed medium
- A display console that does not have a display area

### **VOLSELMSG = ({ON|OFF},{nnnn|ALL})**

Controls the issuance of summarized and detailed analysis messages where:

- **ON** turns on the issuance of the summarized and detailed analysis messages for volume selection
- **OFF** turns off the issuance of the summarized and detailed analysis messages for volume selection. This is the default
- **nnnn** is the number of volumes to be included in the detailed analysis messages. The range of values is 0–65535. The default is 0 which indicates that only summarized analysis will be issued
- **ALL** indicates that all of the volumes that were used by volume selection are included in the detailed analysis messages

**Note:** When VOLSELMSG(ON,nnnn|ALL) is specified, nnnn is greater than zero and TYPE(ALL) parameter is also specified then one of JOBNAME, ASID, DSNAME, or STEPNAME must be specified.

### **TYPE = {ERROR|ALL}**

Specifies whether SMS issues volume selection messages on failed allocations only or on both successful and failed allocations and whether SMS traces all events or only errors. The default is ERROR.

- **ERROR** indicates to trace error type of trace entries and issue volume selection analysis messages for failed allocations only.



- **ALL** indicates to trace all trace entries and issue volume selection analysis messages for both successful and failed allocations.

**JOBNAME = {*jjj*|\*}**

specifies the scope of both tracing and the issuance of volume selection analysis messages in relation to jobs.

- *jjj* is the name of a job and scope is limited to that job
- \* indicates that scope covers all jobs

**ASID = {*asid*|\*}**

specifies the scope of both tracing and the issuance of volume selection analysis messages in relation to address space. It is activated by TRACE(ON) or VOLSELMSG(ON). The default is \*.

- *asid* is the identifier of an address space and scope is limited to that address space
- \* indicates that scope covers all asids

**DSNAME = {*dsname*|\*}**

specifies the scope of both tracing and the issuance of volume selection analysis messages in relation to data set name.

- *dsname* is the name of a data set and scope is limited to that data set
- \* indicates that scope covers all data sets

**STEPNAME = {*stepname*|\*}**

specifies the scope of both tracing and the issuance of volume selection analysis messages in relation to job step.

- *stepname* is the name of a job step and scope is limited to that step
- \* indicates that scope covers all job steps

**TRACE = *stat***

specifies one of the following options to enable tracing. The default is ON.

- **ON** switches tracing on
- **OFF** discontinues tracing

**SIZE = *nnnK*|*M***

specifies the size *nnn* of the trace table. The increment can be specified in either kilobytes (K) or megabytes (M). The default is 128K.

- *nnnK* is the size of the trace table in kilobytes. The value can range from 0K to 255000K. The value is rounded up to the nearest 4K unit
- *nnnM* is the size of the trace table in megabytes. The value can range from 0M to 255M. The value will be stored as kilobytes

## System action

The system continues processing.

## Operator response

None

## System programmer response

None.

## Programmer response

None.

Problem determination

None

Source

Storage management subsystem (SMS)

Module

IGDOPCDT

IGD002I hh.mm.ss DISPLAY SMS MODULE ON A syslevel SYSTEMtext

Explanation

The D SMS,SMSMOD command was entered to display module-related information on an SMS module that resides in the load module IGDZILLA.

text is the following:

| MODULE  |         |          |          |        |           |      |
|---------|---------|----------|----------|--------|-----------|------|
| MODULE  | OFFSET  | PTF      | COMPILED | MODULE |           |      |
| NAME    | ADDRESS | IGDZILLA | LEVEL    | DATE   | ID        | PARM |
| -----   |         |          |          |        |           |      |
| modname | address | offset   | level    | date   | module ID | parm |
|         |         |          |          |        |           |      |

In the message text:

**hh.mm.ss**  
The time in hours (00–23), minutes (00–59), and seconds (00–59). If the time-of-day clock is not working, hh.mm.ss appears as 00:00:00.

**syslevel**  
The system level

**modname**  
SMS module name

**address**  
The starting address of the module

**offset**  
The offset from the beginning of load module IGDZILLA

**level**  
The PTF level or else NONE for the base level

**date**  
The compile date in mm/dd/yy format

**module ID parm**  
The ID options on the module procedure statement

System action

The system continues processing.

Operator response

None

System programmer response

None.

## Programmer response

None.

## Problem determination

None

## Source

DFSMSdfp

## Routing code

2

### Descriptor code

5,8,9

**IGD004I** COMMAND REJECTED STORAGE GROUP *sgname* IS NOT DEFINED

### Explanation

The operator entered an undefined storage group name on the VARY SMS or DISPLAY SMS command.

In the message text:

***sgname***

The storage group name.

## System action

The system rejects the command.

## Operator response

Issue a **DISPLAY SMS,STORGRP(ALL)** command to display all the valid storage group names. Then reenter the command with a valid storage group name.

## Source

DFSMSdfp

## Routing code

2

### Descriptor code

5,8,9

**IGD004I** COMMAND REJECTED {LIBRARY *libname* | DRIVE *drvname*}  
IS NOT DEFINED IN THE SMS ACDS

### Explanation

The operator entered an undefined library or drive name on the VARY SMS or DISPLAY SMS command.

In the message text:

***libname***

The specified library name.

***drvname***

The specified drive name.

**System action**

The system rejects the command.

**Operator response**

If *libname* appears in the message, enter a DISPLAY SMS,LIBRARY(ALL) command to display all the valid library names. Enter the command again with a valid library name.

If *drvname* appears in the message, enter a DISPLAY SMS,DRIVE(ALL) command to display all the valid drive names. Enter the command again with a valid drive name.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

---

|                |   |
|----------------|---|
| <b>IGD004I</b> | <b>COMMAND REJECTED THE SPECIFIED OPTICAL LIBRARY<br/>IS NOT A REAL LIBRARY</b> |
|----------------|---|

---

**Explanation**

The operator entered a DISPLAY SMS LIBRARY command, but the specified library is a pseudo library, not a real library.

**System action**

The system rejects the command.

**Operator response**

Enter the command again with a valid library name.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

5,8,9

---

|                |  |
|----------------|--|
| <b>IGD004I</b> | <b>COMMAND REJECTED OAM EXECUTION FAILED</b> |
|----------------|--|

---

## Explanation

The operator entered either a DISPLAY SMS OAM command or a DISPLAY SMS OSMC command. The display is not successful because of a system error.

## System action

The system rejects the command.

## Operator response

If the object access method (OAM) is active, enter the command again. If the command fails again with the same message, notify the system programmer.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD004I**

**COMMAND REJECTED STATUS CHANGE IS INVALID FOR  
PSEUDO OPTICAL LIBRARIES.**

## Explanation

The operator entered a VARY SMS LIBRARY command. The specified library is a pseudo library, not a real library.

## System action

The system rejects the command.

## Operator response

Enter the command again with a real library name.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD004I**

**COMMAND REJECTED REQUESTED STATUS IS INVALID  
FOR OBJECT, OBJECT BACKUP, AND TAPE STORAGE GROUPS**

## Explanation

The operator entered a VARY SMS STORGRP command which specified either an object, object backup, or tape storage group. The status entered is not valid for object, object backup, and tape storage groups.

Valid statuses for object, object backup, and tape storage groups are as follows:

- enabled
- disabled
- disabled for new allocations only

## System action

The system rejects the command.

## Operator response

Enter the command again with a valid status for the object, object backup, or tape storage group.

## Source

Storage Management Subsystem (SMS)

## Module

IGDOPST1

## Routing code

2

## Descriptor code

5,8,9

---

|                |   |
|----------------|---|
| <b>IGD004I</b> | <b>COMMAND REJECTED {LIBRARY <i>libname</i>   DRIVE <i>drvname</i>}<br/>IS NOT CONNECTED TO ANY SYSTEM.</b> |
|----------------|---|

## Explanation

The operator entered a VARY SMS command and the library or drive specified is not connected to any system.

In the message text:

### ***libname***

The specified library name.

### ***drvname***

The specified drive name.

## System action

The system rejects the command.

## Programmer response

Modify the save control data set (SCDS) so that the library or drive is connected to at least one system. Then activate the configuration.

**Source**

Storage management subsystem (SMS)

**Module**

IGDOPCDL, IGDOPCOA, IGDOPCSV, IGDOPS00, IGDOPST1

**Routing code**

2

**Descriptor code**

5,8,9

---

|                |  |
|----------------|--|
| <b>IGD004I</b> | <b>COMMAND REJECTED<br/>{THE SPECIFIED LIBRARY NAME IS INVALID   THE SPECIFIED<br/>DRIVE NAME IS INVALID  <br/>STORAGE GROUP <i>sgname</i> IS NOT CONNECTED TO ANY<br/>SYSTEM OR SYSTEM GROUP}</b> |
|----------------|--|

**Explanation**

The operator entered a DISPLAY SMS or VARY SMS command and one of the following is true:

- The library name specified in the command does not exist in the SMS configuration.
- The drive name specified in the command does not exist in the SMS configuration.
- The storage group specified in the command is not connected to any system or system group.

In the message text:

***sgname***  
The storage group name.

**System action**

The system rejects the command.

**Operator response**

If the problem is with a library or drive, enter a DISPLAY SMS,LIBRARY(ALL) or a DISPLAY SMS,DRIVE(ALL) command to display all the valid libraries or drives in the configuration. Then, reenter the command with a valid volume serial. If the problem is with the storage group, notify the storage administrator.

**Programmer response**

Modify the save control data set (SCDS) so that the storage group is connected to at least one system. Then activate the configuration.

**Source**

Storage management subsystem (SMS)

**Module**

IGDOPCDL, IGDOPCOA, IGDOPCSV, IGDOPS00, IGDOPST1

## Routing code

2

## Descriptor code

5,8,9

---

**IGD004I**

**COMMAND REJECTED MODULE NAME *modname* IS NOT  
FOUND IN SMS LOAD MODULE IGDZILLA**

## Explanation

The operator issued a D SMS,SMSMOD(*modname*) command with a module name that is not found in SMS load module IGDZILLA.

In the message text:

***modname***

The module name.

## System action

The system rejects the command.

## Operator response

Reissue the D SMS,SMSMOD(*modname*) command with a valid module name.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

**IGD004I**

**NO STORAGE GROUPS HAVE REACHED THEIR ALERT THRESHOLDS**

## Explanation

The operator entered either the DISPLAY SMS,STORGRP(ALERT) command or the DISPLAY SMS,STORGRP(ALERT),LISTVOL command. However, none of storage groups in the active configuration has reached either the total space alert threshold or the track-managed alert threshold.

## System action

The system continues processing.

## Operator response

If needed, issue a DISPLAY SMS,STORGRP(ALL) command to display all the valid storage group names. Then, check the space usage of storage groups there.



## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5,8,9

---

|                |                                     |
|----------------|-------------------------------------|
| <b>IGD005I</b> | <b>COMMAND REJECTED</b> <i>text</i> |
|----------------|-------------------------------------|

## Explanation

*text* is one of the following:

- **VOLUME *volser* IS NOT DEFINED**
- **VOLUME *volser* IS NOT CONNECTED TO ANY SYSTEM OR SYSTEM GROUP**
- **VOLUME *volser* IS NOT AN SMS MANAGED DASD VOLUME**

On a VARY SMS or DISPLAY SMS command, the operator entered a volume which is not defined in the SMS configuration or whose status is NOTCON for the requested system or system group.

In the message text:

### ***volser***

The volume serial number.

## System action

The system rejects the command.

## Operator response

Enter a DISPLAY SMS,STORGRP(ALL),LISTVOL command to display all the valid volume names in all the storage groups. Then reenter the command with a valid volume serial.

## Source

Storage management subsystem (SMS)

## Module

IGDOPCOA, IGDOPC00, IGDOPST1

## Routing code

2

## Descriptor code

5,8,9

---

|                |                                     |
|----------------|-------------------------------------|
| <b>IGD005I</b> | <b>COMMAND REJECTED</b> <i>text</i> |
|----------------|-------------------------------------|

## Explanation

*text* is one of the following:

- STORAGE GROUP *storgrp* IS NOT A POOL STORAGE GROUP
- VOLUME *volser* IS NOT IN A POOL STORAGE GROUP

The operator entered a VARY SMS command to update the space statistics for a storage group or volume, but the specified storage group is not a pool storage group or the specified volume is not in a pool storage group.

In the message text:

***storgrp***

The storage group name.

***volser***

The volume serial number.

## System action

The system rejects the command.

## Operator response

Reenter the command with a pool storage group or a volume that is in a pool storage group.

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

5,8,9

**IGD006I**

---

**IF THE SYSTEM NAME IS A SYSPLEX NAME AND THE VARY COMMAND IS NOT PREFIXED WITH THE ROUTE COMMAND, IT WILL BE AFFECTIVE ON THE ISSUING SYSTEM ONLY**

## Explanation

The operator specified a sysplex name as the *systemid* in the VARY SMS,LIB(libname,systemid),ONLINE/OFFLINE command.

## System action

The system completes the VARY command, and it is only affective on the issuing system.

## Operator response

None.

## Source

DFSMSdfp

## Routing code

2

**Descriptor code**

5,8,9

---

|                |   |
|----------------|---|
| <b>IGD007I</b> | <b>COMMAND REJECTED<br/>TARGET CONSOLE (DEFAULT ISMASTER CONSOLE) IS NOT ACTIVE</b> |
|----------------|---|

**Explanation**

The operator tried to issue a DISPLAY SMS command, and the target console is not active. If the L=cc/cca/name/name-a parameter is not specified on the D SMS command, then the target console is the master console.

**System action**

The system rejects the command.

**Operator response**

Make the target console active, and reissue the command.

**Source**

DFSMSdfp

**Module**

IGDOPCOA

**Routing code**

2

**Descriptor code**

5,8,9

---

|                |   |
|----------------|---|
| <b>IGD008I</b> | <b>NEW CONFIGURATION ACTIVATED FROM SCDS <i>dsname</i> BY {<i>issuer</i>  <br/>CONS <i>console</i>}</b> |
|----------------|---|

**Explanation**

The operator or system programmer activated a new configuration from the SCDS data set.

In the message text:

***dsname***

The data set name.

***issuer***

The command issuer which can be either a TSO user ID or UNKNOWN USER. When the message shows 'UNKNOWN USER', the SETSMS SCDS(*dsname*) command may be issued from a program in which a user ID cannot be retrieved.

***console***

The console name where the SETSMS SCDS(*dsname*) is issued. The keyword 'CONS' indicates the command is issued from a console.

**System action**

The system continues processing with the new configuration.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD009I</b> | <b>{ACDS COMMDS} SWITCHED TO <i>dsname</i></b> |
|----------------|--|

---

## Explanation

Via the SETSMS command, the data set name became either the new SMS active control data set (ACDS), or the SMS communication data set (COMMDS).

In the message text:

***dsname***

The data set name.

## System action

The system continues processing with the a ACDS or COMMDS data set name.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

5

---

|                |  |
|----------------|--|
| <b>IGD010I</b> | <b>{STORAGE GROUP <i>sgname</i>   VOLUME <i>volser</i>}, <i>sysname</i> STATUS IS NOW <i>state</i></b> |
|----------------|--|

---

## Explanation

The operator entered a VARY SMS command for the system or system group to change the state of either the storage group or the volume. If the operator entered the command to change the state on all systems and system groups, *sysname* is displayed as '\*'.  
The status of the storage group name the volume serial number is indicated by *state*, which is one of the following:

- ENABLE
- DISABLE
- DISABLE(NEW ONLY)
- QUIESCE
- QUIESCE(NEW ONLY)

In the message text:

**sgname**  
The storage group name.

**volser**  
The volume serial number.

**sysname**  
The system or system group for which the command was issued.

**state**  
The specified state.

**System action**  
The system continues processing.

**Source**  
Storage management subsystem (SMS)

**Routing code**  
2

**Descriptor code**  
5

---

|         |   |
|---------|---|
| IGD010I | {STORAGE GROUP <i>storgrp</i>   VOLUME <i>volser</i> } VARY SPACE COMMAND PROCESSED |
|---------|---|

**Explanation**  
The operator entered a VARY SMS command to update the space statistics for a storage group or a volume, and the system has successfully processed the command.

In the message text:

**storgrp**  
The storage group name.

**volser**  
The volume serial number.

**System action**  
The system has processed the command and continues its processing.

**Source**  
Storage management subsystem (SMS)

**Routing code**  
2

**Descriptor code**  
5

---

|         |   |
|---------|---|
| IGD011I | THE SMS PARAMETER RECORD IN MEMBER <i>mem</i> CONTAINS {ACDS  COMMDS} NAME THAT CONFLICTS WITH THE CURRENT COMMDS |
|---------|---|

## Explanation

During SMS initialization, a conflict was found between the ACDS or COMMDS data set name specified in the SMS IGDSMSxx member of SYS1.PARMLIB and the current COMMDS. The current COMMDS is considered to be the COMMDS that was active before the re-initialization. Where:

- ACDS: the SMS active control data set
- COMMDS: the SMS communication data set

In the message text:

**mem**

The specified member name.

## System action

Processing continues with the ACDS and COMMDS data sets that are referred to by the contents of the COMMDS specified in the IGDSMSxx member.

## Operator response

Ask the system programmer which ACDS or COMMDS name is appropriate for this re-initialization.

## Programmer response

If the ACDS or COMMDS data set name found in the COMMDS is correct, then update *mem* with the current ACDS or COMMDS data set name. Otherwise, use a SETSMS command to change the ACDS or COMMDS name to the appropriate value.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

IGD012I

COMMAND REJECTED SMS IS NOT ACTIVE

## Explanation

The operator issued a VARY SMS, DISPLAY SMS, SETSMS, or DEVSERV SMS command, but the storage management subsystem is not active.

## System action

The system rejects the command.

## Operator response

Ask the system programmer whether the storage management subsystem was successfully initialized.

## Programmer response

If the storage management subsystem was not successfully initialized, re-IPL the subsystem. Otherwise, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

5,8,9

---

**IGD013I****ABEND DURING PROCESSING OF *cmd* CONDITION CODE *cde***

---

## Explanation

An abend occurred during processing of the operator command, which is one of the following:

- DISPLAY SMS
- VARY SMS
- DEVSERV SMS
- SETSMS
- SET SMS

In the message text:

### ***cmd***

The operator command.

### ***cde***

The hexadecimal completion code.

## System action

The system abnormally ends the command.

## Operator response

Tell the system programmer about this message and abend.

## System programmer response

If the explanation of *cde* indicates that the command ended for a reason other than a resource shortage, contact your programming support personnel. Otherwise, use the logrec data set and SYS1.DUMPnn to diagnose the problem.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

5,8,9

---

**IGD014I****ACTIVE CONFIGURATION SAVED IN *dsname***

---

## Explanation

The operator command successfully saved the active configuration.

In the message text:

***dsname***

The data set name.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD015I</b> | <b>SMS PRE-CATALOG LOCATE ORIENTATION FUNCTION UNAVAILABLE -<br/>AN ICF MASTER CATALOG IS REQUIRED</b> |
|----------------|--|

## Explanation

The storage management subsystem determined that the installation is not running with an ICF master catalog. Since the pre-catalog locate orientation function requires an ICF master catalog, that function is not available for use.

## System action

The system continues processing.

## Operator response

Tell the system programmer about this message.

## Programmer response

Convert the installation's master catalog to an ICF master catalog.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD016I</b> | <b>COMMAND REJECTED VSAM CF EXECUTION FAILED</b> |
|----------------|--|



## Explanation

The operator issued a DISPLAY SMS command with the CFCACHE, CFLS, SHCDS, CFVOL, or MONDS parameter. SMS invoked the DFSMS Sysplex Cache Manager to process the command, and the DFSMS Sysplex Cache Manager returned a nonzero return code.

## System action

The command fails.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator must modify the storage classes in the configuration so that the total number of coupling facility weights specified does not exceed 16.

## Source

Storage Management Subsystem (SMS)

## Module

IGDOPCDS

## Routing code

2

## Descriptor code

5,8,9

---

IGD017I

DFSMS/MVS FEATURE n IS NOT LICENSED FOR USE ON THIS SYSTEM

## Explanation

DFSMS/MVS feature, n, is not defined for this system to use SYS1.PARMLIB member IGDDFPKG.

## System action

The DFSMS/MVS feature n will not execute. The system continues processing.

## Operator response

Tell the system programmer about this message.

## Programmer response

If feature n is licensed for use, then update SYS1.PARMLIB member IGDDFPKG as described in [z/OS MVS Initialization and Tuning Reference](#), and either re-IPL or start task DFPMSPKG.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IGD018I</b> | <b>UNABLE TO COMPLETE THE REQUEST: <i>save-cds</i> WAS FORMATTED AT HIGHER LEVEL</b> |
|----------------|--|

---

## Explanation

The SETSMS SAVEACDS/SAVESCDS failed because the CDS was formatted at a higher level than the current system.

## System action

The system rejects the command.

## Operator response

None.

## Programmer response

Define a CDS to match the current system to save the ACDS.

## Source

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IGD019I</b> | <b>SCDS <i>dsn-1</i> SUCCESSFULLY COPIED AS ACDS TO <i>dsn-2</i></b> |
|----------------|--|

---

## Explanation

This message is issued when a SCDS is copied successfully as an ACDS with the SETSMS COPYSCDS command.

In the message text:

### ***Dsn-1***

SCDS data set name

### ***Dsn-2***

ACDS data set name

## System action

The system continues processing.

## Source

DFSMSdfp

---

|                |                          |
|----------------|--------------------------|
| <b>IGD020I</b> | <b>SMS IS NOW ACTIVE</b> |
|----------------|--------------------------|

---

## Explanation

The storage management subsystem successfully started or restarted.

## System action

The system continues processing.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                |   |
|----------------|---|
| <b>IGD021I</b> | <b>SMS START FAILED</b> <b>FAILED BY </b> <i>service</i> <b>RETURN CODE </b> <i>rc</i> <b> REASON CODE </b> <i>rsnc</i> |
|----------------|---|

**Explanation**

The system service was unable to perform its function on behalf of the storage management subsystem (SMS).  
In the message text:

***service***

The system service, as follows:

- IEEMB887 (generalized parse routine)
- IEEMB881 (system address space create routine)
- IEFJSVEC (subsystem vector table service)
- ?LXRES (reserve pc linkage index)
- ?ETCRE (create pc entry table)
- ?ETCON (connect pc entry table)

***rc***

The return code.

***rsnc***

The reason code.

In the case of IEEMB887, IEEMB881, and IEFJSVEC, the system service returns the return and reason code to indicate the cause of the SMS failure. In the case of ?LXRES, ?ETCRE, and ?ETCON, the system service returns the return code, but the reason code is set by SMS.

**System action**

Jobs that refer to SMS managed data sets will not start or end. Also, data sets cannot be created or unallocated until the SMS address space is restarted.

**Operator response**

Tell the system programmer about this failure and the codes returned by the system service.

**System programmer response**

For IEFJSVEC, ?LXRES, ?ETCRE and ?ETCON, refer to the appropriate information for *service* for an explanation of the codes returned by that system service. If the return and reason codes indicate that the failure occurred because of a resource shortage, correct that shortage and have the operator issue SET SMS to restart the SMS address space. Otherwise, use the logrec data set and SYS1.DUMPnn to diagnose the problem. For further assistance, contact the IBM Support Center.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD022I**

**THE SMS ADDRESS SPACE HAS FAILED AND IS RESTARTING**

---

## Explanation

The SMS address space ended, and the system is attempting to restart it. Until the restart is successful, storage management subsystem services are not available.

## System action

The system is attempting to restart the address space.

## Operator response

If you did not use the FORCE command to cancel the SMS address space, tell the system programmer that the address space failed.

## System programmer response

Use the logrec data set and SYS1.DUMPnn to determine why the SMS address space ended.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD023I**

**ERROR(S) DETECTED IN SMS ADDRESS SPACE**  
**RETURN CODE *rc***  
**REASON CODE *rsnc***

---

## Explanation

The storage management subsystem has detected an error relating to its address space, and will attempt to repair them by restarting its address space. The return code and the reason code further explain the error.

In the message text:

***rc***

The return code.

***rsnc***

The reason code.

### System action

The system continues processing.

### Operator response

Tell the system programmer about this message and the codes.

### System programmer response

Further information about the cause of the failure probably is available in the logrec data set. The return and reason codes might further explain that cause. If no fix exists, contact the IBM Support Center.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code

4

---

|         |   |
|---------|---|
| IGD024I | SMS START IN PROGRESS UNABLE TO PROCESS SET SMS COMMAND<br>AT THIS TIME |
|---------|---|

### Explanation

A SET SMS command is issued while the SMS initialization processing has not been completed, or a previous SET SMS command is still in process.

### System action

The system rejects the command and continues processing.

### Operator response

Reissue the SET SMS command after the SMS starts successfully or the previous SET SMS completes its processing.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code

4

---

|         |   |
|---------|---|
| IGD025I | SMS START FAILED<br>UNEXPECTED ERROR IN INITIALIZATION PROCESSING |
|---------|---|

## Explanation

During SMS initialization processing, an error occurred, and the storage management subsystem was unable to successfully start or restart. Possible errors are an abnormal end, or a failure in the address space start facility. If one of these two errors is the cause of the SMS start failure, IGD025I will be preceded by IGD300I or IGD021I. Other possible errors are that the reserve pc linkage index failed, the create pc entry table failed, the connect pc entry table failed, or there is a control block length error. If a control block length error occurs, IGD025I will be followed by IGD306I, containing the return and reason codes.

## System action

The system does not start or restart the storage management subsystem. Jobs that refer to SMS managed data sets will not start or end. Also, data sets cannot be created; and storage management subsystem data sets cannot be unallocated.

## Operator response

Issue the SET SMS command to start the storage management subsystem. If that fails, then tell the system programmer about this situation.

## Programmer response

If message IGD300I or IGD021I preceded IGD025I, follow the programmer response provided for that message.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD026I**

**SMS START FAILED STORAGE MANAGEMENT SUBSYSTEM IS NOT  
DEFINED TO THE SYSTEM**

## Explanation

The storage management subsystem was not defined in an IEFSSNxx member of SYS1.PARMLIB.

## System action

The system continues processing.

## Operator response

Tell the system programmer about this message.

## Programmer response

Create an entry for the storage management subsystem in the appropriate IEFSSNxx member of SYS1.PARMLIB and re-IPL.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD027I****ERROR IN OPERATOR REPLY *text***

---

## Explanation

There is an error in the operator's reply to message IGD074D, IGD078D, IGD092, IGD083D, IGD084D, or IGD085D. The value of *text* pinpoints one of the following errors in the operator's reply:

- ERROR IS INVALID KEYWORD : *keywd*
- ERROR IS REQUIRED KEYWORD *keywd* IS NOT SPECIFIED
- ERROR IS DUPLICATE KEYWORD : *keywd*
- ERROR IS CONFLICTING KEYWORD : *keywd*
- ERROR IS INVALID KEYWORD VALUE FOR KEYWORD *keywd* : *value*
- ERROR IS INVALID DELIMITER : *delimitr*
- ERROR IS INVALID SYNTAX : *syntax*
- KEYWORD DB2SSID MUST BE SPECIFIED WITH KEYWORD OAMPROC
- TVSNAMES MUST BE PROVIDED WHEN OTHER TRANSACTIONAL VSAM PARAMETERS ARE SPECIFIED

In the message text:

### ***keywd***

The specified keyword.

### ***value***

The value for the keyword.

### ***delimitr***

The incorrect delimiter.

### ***syntax***

The incorrect syntax.

## System action

The system waits for the operator to enter a corrected reply to message IGD074D, IGD078D, IGD082D, IGD083D, IGD084D, or IGD085D.

## Operator response

Enter a correct reply to IGD074D, IGD078D, IGD082D, IGD083D, IGD084D, or IGD085D.

## System programmer response

None

## Problem determination

None

**Source**

DFSMSdfp

**Module**

IGDSSIPO, IGDSSI02

**Routing code**

2,10

**Descriptor code**

4

---

**IGD028I****DUPLICATE SMS NOT CREATED****Explanation**

An attempt was made to start more than one storage management subsystem. The ENQ for SYSZIGDI failed.

**System action**

The system does not start a second storage management subsystem.

**System programmer response**

Ensure that SYSZIGDI resource is not in any GRS RNL or vendor equivalent lists.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

**IGD029I****ERROR FOR *cmd* COMMAND ERROR IS *text*****Explanation**

There is a syntax error in the command that the operator entered. *cmd* is one of the following:

- DISPLAY SMS
- DEVSERV SMS
- SETSMS
- VARY SMS
- SET SMS

The variable in *text* pinpoints the syntax error *cmd*. The possible values are:

- INVALID KEYWORD : *keywd*
- REQUIRED KEYWORD *keywd* IS NOT SPECIFIED
- DUPLICATE KEYWORD : *keywd*



- CONFLICTING KEYWORD : *keywd*
- MISSING PARAMETER FOR : *keywd*
- NO DEVICE NUMBER SPECIFIED
- DEVICE NUMBER RANGE OUT OF BOUNDS
- INVALID DELIMITER : *delimitr*
- INVALID SYNTAX : *syntax*
- INVALID KEYWORD VALUE FOR KEYWORD *keywd*: *value*
- INVALID KEYWORD VALUE: *value*
- EMBEDDED BLANKS BETWEEN OPERANDS OF COMMAND
- TOO MANY VALUES SPECIFIED FOR KEYWORD *keywd* : *value*
- FOLLOWING REQUIRED KEYWORD NOT SPECIFIED: ENABLE, QUIESCE, DISABLE, NEW, NEWSPARE, DELETE or VALIDATE
- MISSING REQUIRED KEYWORD: DSNAME WHEN *keywd* KEYWORD IS SPECIFIED
- SCDS NAME AND ACDS NAME ARE BOTH *dsname*
- REQUIRED KEYWORD NOT SPECIFIED FOR VOLSELMSG(ON,*nnnnn*|ALL) TYPE(ALL): JOBNAME, ASID, DSNAME, or STEPNAME
- KEYWORD *keywd* IS STILL IN PROCESS
- SYSTEM SPECIFIED WITH VALIDATE

In the message text:

***cmd***

The operator command.

***keywd***

The indicated keyword.

***delimitr***

The incorrect delimiter.

***syntax***

The incorrect syntax.

***value***

The value for the keyword.

***dsname***

The name of a data set.

***nnnnn***

number of volumes to be included in the detailed analysis messages

## **System action**

The system rejects the command.

## **Operator response**

Correct the syntax error and reissue the command.

## **System programmer response**

None

## **Problem determination**

None

## Source

DFSMSdfp

## Module

IGDOPC00, IGDSSI03

## Routing code

2,10

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD030I</b> | <b>SMS PARAMETER RECORD IN MEMBER <i>mem</i> HAS {A SYNTAX ERROR   AN ERROR}. ERROR <i>text</i></b> |
|----------------|---|

---

## Explanation

The Storage Management Subsystem record in SYS1.PARMLIB member IGDSMSxx contains a syntax error or an error. The value of *text* pinpoints the error in the record:

- IS INVALID KEYWORD: *keywd*
- IS REQUIRED KEYWORD *keywd* IS NOT SPECIFIED
- IS DUPLICATE KEYWORD: *keywd*
- IS CONFLICTING KEYWORD: *keywd*
- IS INVALID SYNTAX: *syntax*
- IS INVALID KEYWORD VALUE FOR KEYWORD *keywd* : *value*
- IS TOO MANY VALUES SPECIFIED ON TVSNAME PARAMETER FOR A SYSTEM
- IS DUPLICATE IDENTIFIER IN TVSNAME LIST. IDENTIFIERS MUST BE UNIQUE
- IS TVSNAME MUST BE PROVIDED WHEN OTHER TRANSACTIONAL VSAM PARAMETERS ARE SPECIFIED.
- IS THE NUMBER OF VALUES SPECIFIED ON *keywd* PARAMETER DIFFERS FROM THE NUMBER OF VALUES SPECIFIED ON SYSNAME PARAMETER
- IS REQUIRED KEYWORD NOT SPECIFIED FOR VOLSELMSG(ON,*nnnnn*|ALL) TYPE(ALL): JOBNAME, ASID, DSNNAME, or STEPNAME.
- IS REJECT *cmd* COMMAND PREVIOUS COMMAND WITH
- IS KEYWORD *keywd* SPECIFIED PREVIOUSLY IS STILL IN PROCESS
- FOLLOWING KEYWORD *keywd* IS INVALID DELIMITER: *delimitr*

In the message text:

### ***mem***

The member name.

### ***keywd***

The indicated keyword.

### ***delimitr***

The incorrect delimiter.

### ***syntax***

The incorrect syntax.

### ***value***

The value for the keyword.

**nnnnn**

number of volumes to be included in the detailed analysis messages

## System action

The system waits for the operator to reply to message IGD074D, IGD078D, IGD083D, IGD084D, or IGD085D. After the problem is corrected, initialization continues.

## Operator response

Correct the error by replying to message IGD074D, IGD078D, IGD083D, IGD084D, or IGD085D. Then tell the system programmer about this error so that the IGDSMSxx member *mem* can be corrected.

## System programmer response

Correct the SMS record in the SYS1.PARMLIB IGDSMSxx member *mem*.

## Problem determination

None

## Source

DFSMSdfp

## Module

IGDSSIBP, IGDSSIPO, IGDSSITV, IGDSSIO3

## Routing code

2,10

## Descriptor code

4,12

---

**IGD031I**

**SMS PARAMETERS *idtext***

---

## Explanation

This message is returned if PROMPT=DISPLAY or PROMPT=YES is specified in the storage management subsystem (SMS) record in the IEFSSNxx member of SYS1.PARMLIB. All the parameters of the IGDSMSxx member of SYS1.PARMLIB are listed in this message. The DFSMS Transactional VSAM Services (DFSMSStvs) parameters are available only when DFSMSStvs is active on the system.

*text* looks as follows:

```
ACDS      = dsname
COMMDS    = dsname
INTERVAL  = nnn          DINTERVAL = nnn
CACHETIME = nnnnn        SMF_TIME = {YES|NO}
CF_TIME   = nnnnn        PDSE_RESTARTABLE_AS = {YES|NO}
PDSE_BMFTIME = nnnnn     PDSE1_BMFTIME = nnnnn
PDSE_LRUTIME = nn        PDSE1_LRUTIME = nn
PDSE_LRUCYCLES = nnn     PDSE1_LRUCYCLES = nnn
LOCAL_DEADLOCK = nnnnn   GLOBAL_DEADLOCK = nnnnn
REVERIFY  = {YES|NO}     ACSDEFAULTS = {YES|NO}
USE_REOWNER = {YES|NO}   DSNTYPE = {(LIBRARY|PDS|HFS),1|2}

GDS_RECLAIM = {YES | NO} PDSESHARING = {NORMAL|EXTENDED}

OVRD_EXPDT = {YES|NO}    RLS_MAX_POOL_SIZE = nnnnMB
SYSTEMS    = {8|32}      COMPRESS = {GENERIC|TAILORED}

PDSE_HSP_SIZE = nnnMB    PDSE1_HSP_SIZE = nnnMB
```

```

RLSINIT = {YES|NO}          RLSTMOUT = nnnn
CICSVR_INIT = {YES|NO}
[LOG_OF_LOGS = logstreamid
RLS_RECOV_LOGGING = {YES|NO}
QTIMEOUT = nnn
TVSNAME = nnn
AKP = nnn
TVS_START_TYPE = {WARM|COLD}
MAXLOCKS = (max,incr)]
TVSAMCOM = (minval,maxval)
CICSVR_DSNAME_PREFIX = {user prefix|DWW.}
CICSVR_RCDS_PREFIX = {rcds_prefix|DWW}
CICSVR_GRPNAME_SUFFIX = {grpname_suffix | PROD}

CICSVR_ZZVALUE_PARM = {zzvalue | blank string}

CICSVR_UNDOLOG_CONTROL = { undo log string | blank string}

CICSVR_UNDOLOG_PREFIX = {undo log prefix | DWW}

CICSVR_BACKOUT_CONTROL = { back out control string | blank string}

CICSVR_GENERAL_CONTROL = {general control string | blank string}

IGD031I SMS PARAMETERS [id]

Rls_MaxCfFeatureLevel = { cache feature | Z}

RlsAboveTheBarMaxPoolSize = nnnnn RlsFixedPoolSize = nnnnn
DSSTIMEOUT = nnnn FAST_VOLSEL = {ON | OFF}

PDSE_MONITOR = (YES|NO,interval,duration)
PDSE1_MONITOR = (YES|NO,interval,duration)
PDSE_DIRECTORY_STORAGE = nnnnM PDSE1_DIRECTORY_STORAGE = nnnnM

PDSE_BUFFER_BEYOND_CLOSE = {YES | NO} PDSE1_BUFFER_BEYOND_CLOSE
= {YES | NO}
BLOCKTOKENSIZE = {REQUIRE | NOREQUIRE} PDSE_SYSEVENT_DONTSWAP =
{YES|NO}
USEEAV = {YES | NO} BREAKPOINTVALUE = {nnnnn | 10}

OAMPROC = procname OAMTASK = taskid

SAM_USE_HPF = {YES|NO} CA_RECLAIM = {NONE | DATACLAS}
DB2SSID = ssid SUPPRESS_DRMSGS = {YES|NO}
PS_EXT_VERSION = {1|2} VSAM_ZHYPERLINK{YES|NO}
HONOR_DSNTYPE_PDSE = NO PDSE_VERSION = 1
SUPPRESS_SMSMSG = IGD17002I(NO ) IGD17054I(NO ) IGD17227I(NO ) IGD17395I(NO )
MAXGENS_LIMIT = maxgenlimit
USER_ACSVAR = (value1,value2,value3)
PDSE_PENDING_DELETE_INTERVAL = nnnn
ACS_LOGWRITES = ENABLE | DISABLE
ACS_ROUTINE_DEBUG = {(ENABLE,JOBLVL(ALL | jobname)) | (DISABLE)}

```

In the message text:

### **ACDS = acdsname**

Displays the name of the active control data set.

### **ACSDEFAULTS = {YES|NO}**

Indicates whether SMS initializes the following automatic class selection (ACS) routine variables from an additional call to RACF, a component of the Security Server for z/OS. The default value is NO.

- &APPLIC
- &DEF\_DATACLAS
- &DEF\_MGMTCLAS
- &DEF\_STORCLAS

### **YES**

SMS retrieves these ACS routine variables from RACF.

### **NO**

SMS does not retrieve any ACS routine variables from RACF.

### **ACS\_LOGWRITES = ENABLE | DISABLE**

Controls the LOGWRITES command in the SMS ACS routines. ENABLE(default) causes a logrec entry to be created for any ACS log routine which executes the LOGWRITES command. DISABLE causes the ACS LOGWRITES command to be ignored.

### **ACS\_ROUTINE\_DEBUG = {(ENABLE,JOBLVL(ALL | jobname)) | (DISABLE)}**

Indicates whether additional ACS WRITE statements are enabled or disabled to print to the job log.

**DISABLE**

No additional ACS WRITE statements to print to the job log for any jobs.

**ENABLE,JOBLVL(ALL)**

Additional ACS WRITE statements to print to the job log for all jobs.

**ENABLE,JOBLVL(*jobname*)**

Additional ACS WRITE statements to print to the job log for the specified job log if it matches the current running job.

**AKP = *nnn***

Specifies the activity-keypoint trigger value, which is the number of logging operations between the taking of keypoints. The value is in the range 200–65535. The default is 1000.

**BLOCKTOKENSIZE = {**REQUIRE** | **NOREQUIRE**}**

Specified whether the large format data set is highly restricted. If the value is REQUIRE, the large Format Data Set is highly restricted.

**BreakPointValue = (0-65520)**

Displays the value in cylinders that is used in determining whether DADSM will direct an allocation to the cylinder-managed space of an EAV or to the track-managed space. The value is also used by SMS in ranking volumes during the volume selection process. If the value is not specified by the user, then a default value of 10 cylinders is assigned by the system.

When SMS is not active in the system, BreakPointValue has no meaning and the default value of 10 cylinders is assigned by the system.

**CA\_RECLAIM={**NONE**|**DATACLAS**}**

Specifies the usage of CA Reclaim for KSDSs. The default is NONE.

**NONE**

None of the KSDSs will be using CA reclaim, regardless of the data class specifications.

**DATACLAS**

Go by the data class specification of the CA Reclaim=Y|N at definition or ALTER time for the KSDS.

**CF\_TIME = *nnnnn***

Displays the interval in seconds, *nnnnn*, between recording SMF record 42 (subtypes 15, 16, 17, 18) for use of the coupling facility by the SMSVSAM address space. The default is 3600 seconds. If SMF\_TIME is YES, the CF\_TIME parameter is ignored and recording is based solely on the issuance of the SMF ENF signal.

**CICSVR\_BACKOUT\_CONTROL = *backout control string***

Specifies the parameters and service functions to control CICSVR batch backout logging. The CICSVR address space decodes the logging control string, and activate the parameters and execute the service function. It is a string of 17 characters long. The default string is a blank string.

**CICSVR\_DSNAME\_PREFIX = {*user prefix*|**DWW.**}**

Specifies the prefix for all CICSVR data set names that CICSVR creates. The default value is DWW..

**CICSVR\_GENERAL\_CONTROL = *general control string***

Specifies the parameters and service functions that relate to various CICSVR functions. The CICSVR general control string and service functions can be used to invoke a CICSVR scavenger or to display the current setting of all CICSVR control strings. It is a string of 17 characters long. The default string is a blank string.

**CICSVR\_GRPNAME\_SUFFIX = *cicsvr\_grpname\_suffix***

Specifies the suffix of CICSVR XCF group names that the CICSVR address space use to re-create a unique XCF group name per the sysplex and connect to the sysplex. The specified suffix is activated when the CICSVR server address space is next started.

**CICSVR\_INIT = {**YES**|**NO**}**

Indicates whether the CICSVR address space is started as part of the system initialization. The default value is NO.

**YES**

The CICSVR address space is active after IPL.

**NO**

The CICSVR address space is not active after IPL.

**CICSVR\_RCDS\_PREFIX = *cicsvr\_rcds\_prefix***

Specifies a prefix of CICSVR Recovery Control Data Set (RCDS) names that CICSVR server address space uses to allocate the RCDSs to the CICSVR server.

**CICSVR\_UNDOLOG\_CONTROL = *undo log string***

Specifies the parameters and service functions to control CICSVR UNDO logging. The CICSVR address space decodes the logging control string, and activate the parameters and execute the service function. It is a string of 17 characters long. The default string is a blank string.

**CICSVR\_UNDOLOG\_PREFIX = *undo log prefix***

Specifies the CICSVR UNDO log name prefix that CICSVR server address space will use to determine the log stream name which should be written to by CICSVR UNDO logging. It is a string of 8 characters long. The default string is DWW.

**CICSVR\_ZZVALUE\_PARM = *zzvalue\_string***

Specifies the ZZVALUE string which is a pair of name and value, or one control ZZVALUE value that specifies an action to take. And this value maintains the ZZVALUE table and the diagnostic data set.

**COMMDS = *cmdsname***

Displays the name of the communications data set.

**COMPRESS = {**GENERIC**|**TAILORED**}**

Indicates an option for the initial access method compression service. The default value is **GENERIC**.

**GENERIC**

Compression management service uses the original dictionary building block (DBB) solution to compress the data set.

**TAILORED**

Compression management service uses the tailored dictionaries, which are built by scanning up to 500 K of user data. The dictionaries are imbedded in the data set.

**DB2SSID=*ssid***

Specifies the name of the Db2<sup>®</sup> subsystem used by Object Access Method (OAM) for object storage. *ssid* can be from one to four characters.

**DINTERVAL = *nnn***

Displays the number of seconds, *nnn*, that SMS waits between reading device statistics from the control unit. The default is 150 seconds.

**DSNTYPE = {(**LIBRARY**|**PDS**|**HFS**),**1**|**2**}**

Indicates whether newly created SMS-managed data sets are to be PDSEs (**LIBRARY**) or non-PDSE data sets (**PDS**). The default value is **PDS**.

**LIBRARY**

Newly created SMS-managed data sets default to PDSEs. If **LIBRARY** is specified, it might be followed by a numeric version number:

**1**

indicates a conventional PDSE (version 1). This is the default and is equivalent to not specifying a version number.

**2**

indicates a version 2 PDSE.

**PDS**

Newly created SMS-managed data sets default to non-PDSEs.

**HFS**

Newly created SMS-managed data sets default to HFS data sets.

**GDS\_RECLAIM = {**YES**|**NO**}**

Indicates whether generation data set (GDS) reclaim processing is applied. The default value is **YES**.

**YES**

GDS reclaim processing is done.

**NO**

GDS reclaim processing is not done.

**GLOBAL\_DEADLOCK = *nnnn***

Displays the number of local deadlock cycles, *nnnn*, that must expire before global deadlock detection is to be performed. The default is 4 cycles.

**HONOR\_DSNTYPE\_PDSE={YES|NO}**

Specifies how SMS will handle the specification of DSNTYPE=LIBRARY or HFS on the JCL or in the DATA CLASS. The default is NO.

**YES**

If DSNTYPE=LIBRARY or HFS is specified then SMS will create (HONOR) the specified type of PDSE even if the DSORG is not set to PO and there are no directory blocks specified.

**NO**

DSORG must be set to PO or directory blocks must be specified for SMS to HONOR the DSNTYPE that is specified else a physical sequential data set will be created.

***id***

A three-digit decimal identification number that you can use with the MVS CONTROL C,D command to halt the printing or display of this status information that is in progress on either of these consoles:

- A printer console that is not the printed medium
- A display console that does not have a display area

**INTERVAL = *nnn***

Displays the synchronization interval, *nnn*, which is the number of seconds between system checks of the COMMDS for information about SMS configuration changes from other systems in the SMS complex. The default is 15 seconds.

**LOCAL\_DEADLOCK = *nnnn***

Displays the length in seconds, *nnnn*, of the local deadlock detection interval. The default is 15 seconds.

**LOG\_OF\_LOGS = *logstreamid***

Specifies the log stream for DFSMStvs to use as its log of logs. This log contains copies of the tie-up records and file-close records written to forward recovery logs, which forward recovery products use. The default is to use no log of logs. The *logstreamid* value can be up to 26 characters long.

**MAXGENS\_LIMIT=*maxgenlimit***

Specifies the value for MAXGENS\_LIMIT, which sets the upper limit for the number of generations for members of version 2 PDSEs, specified by the MAXGENS keyword of the DD statement in JCL. *maxgenlimit* can be from zero to 2,000,000,000.

**MAXLOCKS = (*max,incr*)**

Specifies two values: the maximum number of locks that a single unit of recovery can hold before the warning message IGW859I is issued to the system console, and an increment value. After the maximum is reached, the warning message is issued every time the number of locks held over and above the maximum is the multiple of the increment. The *max* and *incr* values are in the range 0–999999. The default value for both is 0. It is invalid for *max* to be 0 and *incr* to be greater than 0.

**OVRD\_EXPDT = {YES|NO}**

Indicates whether an expiration date or retention period for SMS-managed DASD data sets is overridden when deletion is requested through job control language (JCL), supervisor call instruction (SVC 99), the IEHPROGM utility, or interactive system productivity facility (ISPF) or PDF. The default value is NO.

**YES**

Data sets are deleted whether or not the expiration date or retention period has passed.

**NO**

Any expiration date or retention period is honored.

**PDSE\_BMFTIME = *nnnnn* | PDSE1\_BMFTIME = *nnnnn***

Specifies the number of seconds, *nnnnn*, that SMS waits between recording SMF type 42 subtype 1 records for buffer management facility (BMF) cache use and SMF type 42 subtype 6 interval records in SMSPDSE or SMSPDSE1 address space. The default is 3600 seconds.

**PDSE\_BUFFER\_BEYOND\_CLOSE = {YES|NO} | PDSE1\_BUFFER\_BEYOND\_CLOSE = {YES|NO}**

Specifies whether to keep directory and member data in storage beyond the last close of a PDSE dataset for the SMSPDSE or SMSPDSE1 address space. If NO option is specified, the PDSE's directory and member data

will be purged from the in-memory cache when the last close on this system of the data set occurs. If the YES option is specified, the PDSE's directory and member data will be retained the in-memory cache beyond the last close of the data set. The default value is NO.

**PDSE\_DIRECTORY\_STORAGE = nnnn | PDSE1\_DIRECTORY\_STORAGE = nnnn**

Specifies the size in megabytes or gigabytes of 64-bits virtual storage that is used to cache PDSE directory buffer in the SMSPDSE or SMSPDSE1 address space. The range of the value is 64M to 16G. The default value is 2G.

**PDSE\_HSP\_SIZE = nnn | PDSE1\_HSP\_SIZE = nnn**

Specifies the size, in megabytes, of the hiperspace passed to BMF initialization. This size controls the amount of expanded storage that a PDSE can use in SMSPDSE or SMSPDSE1 address space. The value ranges from 0 to 512. the default is 256 MB.

**PDSE\_LRUCYCLE = nnn | PDSE1\_LRUCYCLE = nnn**

Specified the maximum number of times, nnn, that the buffer manager facility (BMF) least Recently used (LRU) routine passes over inactive buffers before making them available for Reuse in SMSPDSE or SMSPDSE1 address space. The value of nn in the range of 5-240. The default is 240 cycles.

**PDSE\_LRUTIME = nn | PDSE1\_LRUTIME = nn**

Specifies the number of seconds, nn, that the buffer management facility(BMF) waits Between calls to the BMF data space cache LRU (least recently used) routine in SMSPDSE Or SMSPDSE1 address space. The value of nn is in the range of 5-60. The default is 15 seconds.

**PDSE\_MONITOR = (YES|NO,interval,duration) | PDSE1\_MONITOR = (YES|NO,interval,duration)**

Determine whether SM needs to monitor SMSPDSE or SMSPDSE1 address space. The value of interval is the mintoring interval in seconds in the range 0-1440. The value of duration is the monitoring duration in seconds in the range of 0-1440. The default value is (YES, 0, 0).

**PDSE\_PENDING\_DELETE\_INTERVAL = nnnn**

Specifies the interval, in minutes, between automatic pending delete processing. This is intended for installations that have PDSEs that are left open for output for long periods of time. Normally, pending delete processing is performed only when the first open for output occurs on a system. For more information, refer to *z/OS MVS Initialization and Tuning Reference*.

**PDSE\_RESTARTABLE\_AS = {YES | NO}**

Specifies whether PDSE initialization during IPL NIP processing brings up a second restartable PDSE address space.

**PDSESHARING = {NORMAL|EXTENDED}**

Indicates how PDSEs are shared across systems in a sysplex. The default value is NORMAL.

**NORMAL**

Users share read access to PDSEs across systems in the sysplex.

**EXTENDED**

Users share read and write access to PDSEs across systems in the sysplex.

**PDSE\_SYSEVENT\_DONTSWAP = {YES | NO}**

Specifies whether tasks entering the PDSE address spaces will be made non-swappable while they are in the address space. In addition, it causes the SYSEVENT ENQHOLD to be issued against a latch holder in order to ensure the holder completes its processing and releases the latch. The default value is NO.

**PDSE\_VERSION = {1|2}**

Specifies the PDSE version that the system will create. Default is 1. Note that this value for PDSE version will be used only if PDSE\_VERSION is not specified on the JCL.

**QTIMEOUT = nnnn**

Specifies the quiesce exit timeout value in seconds; that is, the amount of time that the DFSMStvs quiesce exits allow to elapse before concluding that a quiesce cannot be completed successfully. The value is in the range 60–3600. The default is 300 seconds.

**REVERIFY = {YES|NO}**

Indicates whether SMS verifies a user's authority to allocate a new data set and use a storage or management class at both job interpretation time and run time or only at job interpretation time. The default value is NO.



**YES**

SMS verifies a user's authority at both job interpretation time and run time.

**NO**

SMS verifies a user's authority only at interpretation time.

**RlsAboveTheBarMaxPoolSize = nnnnnnnnnMB**

Specifies the limit on how large the total buffer pool above the bar can be on each system. It is used by VSAM RLS to manage the-above-the-bar buffer pool. The range is 0 or 500MB-20000000MB. The default value is zero.

**RlsFixedPoolSize = nnnnnnnnnMB**

Specifies the amount of total real storage (above and below the 2 gigabytes bar) is to be permanently fixed on the systems. It is used by VSAM RLS to manage the real storage. The range is 0 or 500MB-20000000MB. The default value is zero.

**Rls\_MaxCfFeatureLevel = {cache feature|Z}**

Indicates the cache feature level. The default value is Z.

**RLSINIT = {YES|NO}**

Indicates whether the SMSVSAM address space is started as part of the system initialization. The default value is NO.

**YES**

SMSVSAM SERVER is initialized at IPL time.

**NO**

SMSVSAM SERVER is not active after IPL.

**Rls\_MaxCfFeatureLevel = {cache feature|Z}**

Indicates the cache feature level. The default value is Z.

**RLS\_MAX\_POOL\_SIZE = nnnn MB**

Displays the maximum size, in megabytes, of the SMSVSAM local buffer pool. SMSVSAM attempts not to use more storage for buffers than this limit. If *nnnn* is less than 10, the maximum size is 10 MB, and if *nnnn* is greater than 1500, the maximum size is 9999 MB; otherwise, the actual maximum size is displayed.

**RLS\_RECOV\_LOGGING = {YES|NO}**

Specifies whether the SMSVSAM address space will start with VSAM Record Level Sharing (RLS) Replication Logging Support (write the replication log records to the log stream) the next time SMSVSAM address space is initialized on this system.

**YES**

Start the SMSVSAM address space with VSAM RLS Replication Logging Support.

VSAM RLS will write the replication log records to the log stream for the updates to eligible data sets defined with the IDCAMS LOGREPLICATE parameter. When VSAM RLS is initialized with Replication Logging Support, the following commands are also available:

```
DISPLAY SMS,LOG(log stream id|ALL)
DISPLAY SMS,DSNAME(data set name)
VARY SMS,LOG(logstreamid),QUIESCE|Q|DISABLE|D|ENABLE|E
```

For more information about these commands refer to [\*z/OS MVS System Commands\*](#).

**NO**

Start the SMSVSAM address space without VSAM RLS Replication Logging Support.

VSAM RLS batch opens for non-recoverable data sets defined with the IDCAMS LOGREPLICATE parameter will fail.

Default: **NO**

**RLSTMOUT = nnnn**

Displays the lock time in seconds, *nnnn*, for SMSVSAM. The lock time is the maximum time that a VSAM RLS or DFSMSStvs request is to wait for a required lock before the request is assumed to be in deadlock and abnormally terminated with return code 8 and reason code 22. The value is in the range 0–9999. The default is 0, which indicates that requests should not time out.

**RLSTMOUT = *nnnn***

Displays the lock time in seconds, *nnnn*, for SMSVSAM. The lock time is the maximum time that a VSAM RLS or DFSMSStvs request is to wait for a required lock before the request is assumed to be in deadlock and abnormally terminated with return code 8 and reason code 22. The value is in the range 0–9999. The default is 0, which indicates that requests should not time out.

**SAM\_USE\_HPF={YES|NO}**

Specifies whether BAM will use HPF when it is available. HPF can be enabled by specifying ZHPF=YES on the ZHPF statement in the IECIOSxx parmlib member.

**YES**

BAM uses HPF when it is available and enabled. SMS sets on a new bit in the DFA, DFASAMHPF.

**NO**

BAM does not use HPF. The DFASAMHPF bit in the DFA control block is set off and BAM does not use HPF.

**SMF\_TIME = {YES|NO}**

Indicates whether DFSMSdftp creates SMF type-42 records at the expiration of the SMF time interval, synchronized with SMF and RMF data intervals. The default value is YES.

**YES**

DFSMSdftp listens for the SMF event-notification signal and creates the specified SMF records.

**NO**

DFSMSdftp does not create any SMF type-42 records.

**SUPPRESS\_DRMSGS = {YES | NO}**

Determines whether SMS will issue DELETE and RENAME error messages to the hardcopy log and the joblog.

**YES**

SMS will suppress these messages

**NO**

SMS will not suppress these messages. This is the default.

**SUPPRESS\_SMSMSG = {IGD17002I(YES|NO) IGD17054I(YES|NO) IGD17227I(YES|NO) IGD17395I(YES|NO)}**

Specifies the currently active setting for each of the three messages. The setting determines whether the message is to be issued or suppressed.

**Note:** IGD17002I is used to specify whether SMS suppresses or issues message IGD17002I on the console.

**YES**

Specified message will be suppressed.

**NO**

Specified message will be issued.

**SYSTEMS = {8|32}**

Displays the maximum number of unique system names and system group names that you can specify in the SMS configuration.

**TVSAMCOM = (*minval,maxval*)**

Specifies the minimum and the maximum for a range of number of update requests that will be used by Transactional VSAM to determine when and if to call RRS services to issue a commit point on behalf of the batch application. Transactional VSAM will adjust the commit frequency to a number between these two values based on record lock analysis for the current unit of recovery. The values are in the range of 0 to 99999. A value of 0 for both numbers means that no automatic commits will be performed by transactional VSAM for the units of recovery using the value specified in the IGDSMSxx PARMLIB member.

**TVSNAME = *nnn***

Specifies the identifier that uniquely identifies the instance of DFSMSStvs running on the system. The value is in the range 0–255. There is no default value.

**TVS\_START\_TYPE = {WARM | COLD}**

Specifies the type of start that DFSMSStvs is to perform. The default is WARM.

**WARM**

DFSMSStvs reads its undo log and processes the information it finds in accordance with the information that resource recovery services (RRS) has about any outstanding units of recovery.

**COLD**

DFSMSStvs deletes any information that remains in the undo log and starts as if the log were empty.

**USEEAV = {YES | NO}**

Displays the value of the keyword that controls the allocation of new data sets on EAVs. Existing data sets on EAVs can still be accessed.

**YES**

Full use of EAVs is allowed.

**NO**

New data sets cannot be allocated on EAVs. Existing data sets on EAVs can be accessed and extended on the EAVs that they reside on, but they cannot be extended to a new EAV. This is the default when SMS is active in the system.

When SMS is not active in the system, USEEAV is not available and the installation must use alternate means to control the usage of EAVs.

**USER\_ACSVAR = (value1, value2, value3)**

Specifies user-defined values used with SMS automatic class selection (ACS) routines. The default for each value is blank.

**USE\_RESOWNER = {YES|NO}**

Indicates whether SMS determines the owner (user or group defined by RACF) of an SMS-managed data set protected by the profile. The default value is YES.

**YES**

SMS extracts the owner of an SMS-managed data set from the owner profile.

**NO**

The owner of an SMS-managed data set is the user ID.

**VSAM\_ZHYPERLINK(YES|NO)**

Specifies whether VSAM data sets are eligible to exploit zHyperLink on this system.

**NO**

Disables zHyperLink for all VSAM data sets on this system.

**Default:** YES

**YES**

Make the VSAM data sets on this system eligible for zHyperLink.

**Note:** The 'YES' option makes the VSAM data sets on this system eligible for zHyperLink. There are other conditions that must be satisfied before an I/O is done with zHyperLink for the data sets. See [Working with data sets](#) for the complete list of conditions.

**System action**

The system continues processing.

**Operator response**

None

**System programmer response**

Verify the values of the parameters. Take action if needed.

**Programmer response**

None. This is an informational message only.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDSSIPO, IGDSSIDI

## Routing code

2

## Descriptor code

5,8,9

---

|                |   |
|----------------|---|
| <b>IGD031I</b> | <b>SMS TRACE PARAMETERS</b> <i>id</i> <b>TRACE = {ON OFF} SIZE = {nnnnnn[K] nnnM} TYPE = {ERROR ALL} JOBNAME = {jjj *} ASID = {asid *}</b><br><b>TRACING EVENTS:</b><br><b>MODULE = stat SMSSJF = stat</b><br><b>SMSSSI = stat ACSINT = stat</b><br><b>OPCMD = stat CONFC = stat</b><br><b>CDSC = stat CONFS = stat</b><br><b>MSG = stat ERR = stat</b><br><b>CONFR = stat CONFA = stat</b><br><b>ACSPRO = stat IDAX = stat</b><br><b>DISP = stat CATG = stat</b><br><b>VOLREF = stat SCHEDP = stat</b><br><b>SCHEDS = stat VTOCL = stat</b><br><b>VTOCD = stat VTOCR = stat</b><br><b>VTOCC = stat VTOCA = stat</b><br><b>RCD = stat DCF = stat</b><br><b>DPN = stat TVR = stat</b><br><b>DSTACK = stat UAFF = stat</b><br><b>DEBUG= stat</b><br><b>VOLSELMSG=(ON   OFF,nnnnn)</b><br><b>TYPE={ERROR   ALL}</b><br><b>JOBNAME={jjj   *}</b><br><b>ASID={asid   *}</b><br><b>STEPNAME={stepname}</b><br><b>DSNAME={dsname}</b><br><b>SUPPRESS_DRMSGS = {YES NO}</b> |
|----------------|---|

## Explanation

This message appears if PROMPT=DISPLAY or PROMPT=YES is specified in the storage management subsystem (SMS) record in the IEFSSNxx member of SYS1.PARMLIB. All the parameters of the IGDSMSxx member of SYS1.PARMLIB are listed in this message.

In the message text:

### *id*

A three-digit decimal identification number that you can use with the MVS CONTROL C,D command to halt the printing or display of this status information that is in progress on either of these consoles:

- A printer console that is not the printed medium
- A display console that does not have a display area

**TRACE = {ON | OFF}**

Displays the trace options that SMS is using. The default value is ON.

**ON**

Tracing is on.

**OFF**

All tracing has been discontinued.

**SIZE = {nnnnnn[K] | nnnM}**

Displays the size of the trace table. The default value is 128K. The default unit is kilobytes. Descriptions of the SIZE values follow:

**nnnnnn**

The size of the trace table in kilobytes, ranging from 0 to 255000. This value is rounded up to the nearest 4 KB unit.

**nnnnnnK**

The size of the trace table in kilobytes, ranging from 0K to 255000K. This value is rounded up to the nearest 4 KB unit.

**nnnM**

The size of the trace table in megabytes, ranging from 0M to 255M. This value is stored in kilobytes.

**TYPE = {ERROR | ALL}**

Specifies the whether SMS issues volume selection analysis messages on failed allocations only or on both successful and unsuccessful allocations and whether SMS traces all events or only errors. The default is ERROR. The parameter values are:

**ERROR**

Trace error-type trace entries. Issue volume selection analysis messages for failed allocations only.

**ALL**

Trace all types of trace entries. Issues volume selection analysis messages for both successful and failed allocations.

**JOBNAME = {jji | \*}**

Specifies the scope of tracing and the issuance of volume selection analysis messages in relation to jobs. It is activated by TRACE(ON) or VOLSELMSG(ON). The default is \*.

**jji**

Scope is limited to the specified job name.

**\***

Scope includes all jobs.

**ASID = {asid | \*}**

Specifies the scope of tracing and the issuance of volume selection analysis messages in relation to address space. It is activated by TRACE(ON) or VOLSELMSG(ON). The default is \*.

**asid**

Scope is limited to the specified address space.

**\***

scope includes all address spaces.

The rest of the display indicates which SMS events are selected for tracing. If the value of *stat* for an event is ON, that event is being traced. The SMS events and their abbreviations in the message display follow:

**MODULE = stat**

A module entry or exit.

**SMSSJF = stat**

The SMS and SJF interfaces.

**SMSSSI = stat**  
The SMS and SSI interfaces.

**ACSINT = stat**  
The ACS services interfaces.

**OPCMD = stat**  
Operator commands.

**CONF C = stat**  
Configuration changes.

**CDSC = stat**  
Control data set changes.

**CONF S = stat**  
Configuration services.

**MSG = stat**  
Message services.

**ERR = stat**  
Error recovery and recording services.

**CONFR = stat**  
Return data from an active configuration.

**CONF A = stat**  
Activate a new configuration.

**ACSPRO = stat**  
Perform ACS processing.

**IDAX = stat**  
The SMS interpreter and dynamic allocation.

**DISP = stat**  
A disposition processing exit.

**CATG = stat**  
SMS catalog services.

**VOLREF = stat**  
SMS VOLREF services.

**SCHEDP = stat**  
Scheduling services, prelocate catalog orientation.

**SCHED S = stat**  
Scheduling services, system select.

**VTOCL = stat**  
VTOC and data set services, allocate an existing data set.

**VTOCD = stat**  
VTOC and data set services, delete an existing data set.

**VTOCR = stat**  
VTOC and data set services, rename an existing data set.

**VTOCC = stat**  
VTOC and data set services, create a new data set.

**VTOCA = stat**  
VTOC and data set services, add a volume to a data set.

**RCD = stat**  
SMS recording services or SMS fast VTOC and VVDS access.

**DCF = stat**  
The device control facility.

**DPN = stat**  
The device pool select.

**TVR = stat**

A tape volume record update.

**DSTACK = stat**

Data set stacking SSI.

**UAFF = stat**

Unit affinity.

**DEBUG= stat**

Debug service.

The following will be a display of the parameters in SYS1.PARMLIB member IGDSMSxx at IPL time and SET SMS=xx.

**VOLSELMSG****ON**

summarized and detailed volume selection analysis messages will be issued.

**OFF**

summarized and detailed volume selection analysis messages will not be issued. This is the default value.

**nnnnn**

is the number of volumes which are included in the scope of the issuance of detailed volume selection analysis messages. The range of value is 0–65535. The default is 0 which indicates that only summarized volume selection analysis messages will be issued.

**ALL**

indicates that detailed volume selection analysis messages will be issued for all volumes that were used by volume selection.

**DSNAME**

specifies the scope for volume selection analysis messages in relation to a data set.

**dsname**

indicates that scope is limited to the specified data set name.

**\***

indicates that scope covers all data sets.

**STEPNAME**

specifies the scope for volume selection analysis messages in relation to job step.

**stepname**

indicates that scope is limited to the specified job step.

**\***

indicates that scope covers all job steps.

**SUPPRESS\_DRMSGS = {YES | NO}**

Determines whether SMS will issue DELETE and RENAME error messages to the hardcopy log and the joblog.

**YES**

SMS will suppress these messages

**NO**

SMS will not suppress these messages. This is the default.

**System action**

The system continues processing.

**System programmer response**

Verify the values of the parameters. Take action if needed.

## Programmer response

None. This is an informational message only.

## Source

Storage management subsystem (SMS)

## Module

IGDSSIPO, IGDSSIDI

## Routing code

2

## Descriptor code

5,8,9

---

|                |  |
|----------------|--|
| <b>IGD032D</b> | <b>THE SMS ADDRESS SPACE HAS RESTARTED <i>nn</i> TIMES. REPLY 'RESTART' TO RESTART OR 'C' TO CANCEL.</b> |
|----------------|--|

---

## Explanation

The SMS address space attempted to restart itself numerous times during this IPL.

In the message text:

***nn***

The number of times the address space attempted to restart itself.

## System action

The system waits for the operator to reply 'RESTART' or 'C'.

## Operator response

Reply 'RESTART' to permit the storage management subsystem to attempt another restart; or reply 'C' to cancel the automatic restart attempt, and cause the storage management subsystem to end.

## System programmer response

Use the logrec data set and SYS1.DUMP data sets to determine why the storage management subsystem is attempting to restart.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

|                |  |
|----------------|--|
| <b>IGD033I</b> | <b>JOB <i>jobname</i> IS WAITING FOR THE SMS ADDRESS SPACE TO {RESTART INITIALIZE}</b> |
|----------------|--|

---



**Explanation**

The job requires a service from the SMS address space, but that service is not available.

In the message text:

*jobname*  
The job name.

**System action**

The job waits for the SMS address space to restart or complete initialization.

**Operator response**

If the SMS address space is initializing, no action is required. If SMS is restarting, just tell the system programmer that this message appeared. However, if the storage management subsystem must restart and does not automatically do so, issue the SET SMS command to manually restart it.

**Programmer response**

If this message is issued during a restart, then examine the console log to determine why the SMS address space ended.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

|         |   |
|---------|---|
| IGD034I | THE COMMAND IS IGNORED, TRANSACTIONAL VSAM IS NOT AVAILABLE |
|---------|---|

**Explanation**

The command cannot be executed because Transaction VSAM is not available.

**System action**

The command is ignored.

**Operator response**

Notify the system programmer.

**System programmer response**

Start Transactional VSAM should be active. This message is only issued for diagnostic purposes.

**Source**

DFSMSdfp

## Module

IGDOPCDS

## Routing code

2,10

## Descriptor code

4

---

**IGD035I** THE SMS INITIALIZATION PARAMETERS ARE IN ERROR ERROR IS *text*

## Explanation

There is an error in one of the following:

- the SYS1.PARMLIB IEFSSNxx member that contains the SMS definition record
- the operator's reply to message IGD075D

The variable in *text* pinpoints the error in the member or reply: *text* is one of the following:

- **INVALID KEYWORD:** *keywd*
- **INVALID KEYWORD VALUE FOR KEYWORD** *keywd* : *value*
- **INVALID DELIMITER:** *delimitr*
- **INVALID SYNTAX:** *syntax*
- **KEYWORD DB2SSID MUST BE SPECIFIED WITH KEYWORD OAMPROC.**

In the message text:

### ***keywd***

The indicated keyword.

### ***value***

The specified value.

### ***delimitr***

The incorrect delimiter.

### ***syntax***

The incorrect syntax.

## System action

Either SMS initialization does not continue, or the system will not run the operator command.

## Operator response

For now, correct the error by replying to message IGD075D. Then tell the system programmer about this error so the IEFSSNxx member can be corrected.

## System programmer response

Correct the SYS1.PARMLIB IEFSSNxx member that contains the SMS definition record.

## Source

Storage Management Subsystem (SMS)

## Module

IGDSSI02

## Routing code

2,10

## Descriptor code

4,12

---

**IGD036I**

**SMS START FAILED JES3 IS ACTIVE**

---

## Explanation

An attempt was made to start storage management subsystem (SMS) using the SET SMS command when SMS was inactive and JES3 was active.

## System action

The system does not start SMS. The system continues processing.

## Operator response

Notify the system programmer.

## System programmer response

JES3 must be inactive before SMS can be started. Deactivate JES3, then start SMS using the SET SMS command. Restart JES3 using a hot start.

## Source

DFSMSdfp

---

**IGD037I**

**DB2SSID, OAMPROC, OR OAMTASK FOUND IN IEFSSNXX PARMLIB  
MEMBER KEYWORD VALUE IGNORED**

---

## Explanation

The Storage Management Subsystem (SMS) found the DB2SSID, OAMPROC, or OAMTASK keyword while parsing the SMS definition record in the IEFSSNxx member of SYS1.PARMLIB. These keywords must be specified in the IGDSMSyy member rather than the IEFSSNxx member. The system ignores the keyword value specified in the IEFSSNxx member.

## System action

The system continues processing.

## System programmer response

Remove the keyword(s) from the IEFSSNxx member and place it in the IGDSMSyy member.

## Source

Storage Management Subsystem (SMS)

## Module

IGDSSI02

## Routing code

2,10

## Descriptor code

4,12

---

**IGD038E**

**SYSTEM *sysname* IS DEFINED TO SMS VIA® SYSTEM GROUP *system group* THIS IS NOT VALID IN AJES3 ENVIRONMENT**

## Explanation

Use of sysplex name support in a JES3 environment is not valid. Because scheduling is done at a system level, this will result in indeterminate problems scheduling jobs and resources.

In the message text:

### ***sysname***

The current system.

### ***system-group***

The current system group.

## System action

The system continues processing but might encounter scheduling problems later.

## Operator response

Notify the system programmer.

## System programmer response

Modify the save control data set (SCDS) to define the system in the configuration by its system name rather by a system group name.

## Source

Storage management subsystem (SMS)

## Module

IGDOPST2

## Routing code

2,10

## Descriptor code

4

---

**IGD039I**

**{ACDS|COMMDS} *dsname* HAS BEEN CONVERTED TO SUPPORT MORE THAN 8 SYSTEMS**

**Explanation**

An active control data set (ACDS) or a communication data set (COMMDS) has been converted from supporting 8 systems to more than 8 systems. This indicates a successful 'CONVERT' response to IGD064D.

**System action**

The system continues processing.

**Operator response**

The message serves to notify the operator

**Source**

DFSMSdfp

---

|                |   |
|----------------|---|
| <b>IGD040D</b> | <b>UNABLE TO COMPLETE CONFIGURATION REQUEST: <i>text</i> - REPLY 'U' TO RETRY OR 'C' TO PURGE REQUEST</b> |
|----------------|---|

**Explanation**

An attempt to update the active configuration failed; the update was *text*. Refer to the preceding message for a description of the error.

**System action**

The system continues processing, using the current configuration.

**Operator response**

Ask the system programmer to determine what error occurred, and how you should respond to message IGD040D. You will either enter 'U' to retry the request, or enter 'C' to cancel all update requests that are currently queued.

When message IGD040D is accompanied with message IGD058I, Reason Code 6059, users are recommended to reply 'U' (retry) once on each and every system where the IGD040D message is encountered.

When this message is accompanied with message IGD058I containing reason code 6040, this indicates contention for the CDS across the SMS-plex. Allow a short period of time to elapse before replying 'U' to retry on each system issuing IGD040D.

**System programmer response**

Use the logrec data set and SYS1.DUMPnn to determine why the request to update the active configuration failed. Then tell the operator which response to enter for this message.

**Source**

DFSMSdfp

**Routing code**

1

**Descriptor code**

2

---

|                |   |
|----------------|---|
| <b>IGD041I</b> | <b>PERMANENT I/O ERROR FOR {SCDS ACDS COMMDS} <i>dsname</i></b> |
|----------------|---|

## Explanation

A permanent I/O error occurred for the data the set, which is one of the following storage management subsystem data sets:

- SCDS - SMS source control data set
- ACDS - SMS active control data set
- COMMDS - SMS communication data set

In the message text:

### ***dsname***

The data set name.

## System action

If the error occurred for the SCDS or ACDS, the system issues message IGD040D; for the COMMDS, the system issues either IGD070D or IGD072A.

## Operator response

Ask the system programmer to determine what error occurred, and how you should respond to message IGD040D, IGD070D, or IGD072A.

## System programmer response

Use the logrec data set to determine what I/O error occurred, and tell the operator which response to use for message IGD040D, IGD070D, or IGD072A.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD042I**

**COMMDS *dsname* SUCCESSFULLY REPAIRED**

## Explanation

Based on the current storage management subsystem configuration, the damaged COMMDS data set was successfully rewritten.

In the message text:

### ***dsname***

The data set name.

## System action

The system continues processing.

## Operator response

Tell the system programmer that the COMMDS data set was rewritten.

### System programmer response

Use the logrec data set to determine whether an I/O error occurred. If there is still a problem with *dsname*, switch to a new COMMDS.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code

4

---

|         |   |
|---------|---|
| IGD043D | REPLY 'Y' TO ALLOW ACTIVATION OF A CONFIGURATION BY userid, 'N' TO DENY THE REQUEST |
|---------|---|

---

### Explanation

A Time Sharing Option/Extensions (TSO/E) user requested to activate a new configuration; such a request requires operator authority to complete the operation.

### System action

The system waits for the operator to reply.

### Operator response

Enter 'Y' or 'N' according to your installation's policies.

### Source

DFSMSdfp

### Routing code

9

### Descriptor code

2

---

|         |   |
|---------|---|
| IGD044I | {SCDS   ACDS   COMMDS} <i>dsname</i> SUPPORTS MORE THAN 8 SYSTEMS AND CANNOT BE ACCESSED ON THIS SYSTEM |
|---------|---|

---

### Explanation

An attempt was made to access a configuration or communications data set which has been converted to support more than eight system or system group names under one of the following conditions:

1. The system is running a release of DFSMS/MVS or DFP prior to 1.3.0.
2. The system is running DFSMS/MVS 1.3.0 but is running in compatibility mode (SYSTEMS(8) was specified in the IGDSMSxx member of SYS1.PARMLIB)

In the message text:

***dsname***

The SCDS, ACDS, or COMMDS being accessed

**System action**

Access to the control data set fails.

**Operator response**

Contact the storage administrator.

**User response**

Contact the storage administrator.

**Programmer response**

The storage administrator must not attempt to access a configuration or communications data set which supports more than eight systems on a down-level DFSMS/MVS or DFP system or on a DFSMS/MVS 1.3.0 system running in compatibility mode. Do one of the following:

1. Locate a configuration or communications data set which has not been converted to support more than eight systems and activate it
2. If the system is running DFSMS/MVS 1.3.0 and the configuration must be activated, restart SMS using the SET SMS command and an IGDSMSxx member of SYS1.PARMLIB with SYSTEMS(32) specified

**Source**

Storage Management Subsystem (SMS)

---

**IGD045I**

**ACTIVATE FAILED - {SYSTEM|SYSTEM GROUP} *sysname* IS DEFINED AS  
A {SYSTEM GROUP|SYSTEM} IN THE CONFIGURATION**

**Explanation**

One of the following has occurred:

- The specification for *sysname* in the configuration indicates that it is a system group name; however, the value found in CVTSNAME indicates that it is a system name.
- The specification for *sysname* in the configuration indicates that it is a system name; however, the value found in ECVTSPLX indicates that it is a system group name.

In the message text:

***sysname***

The current system or system group.

**System action**

Activation of the configuration fails.

**Operator response**

Notify the system programmer.

**Programmer response**

Modify the save control data set (SCDS) to correctly define the name as either a system name or a system group name.



**Source**

Storage management subsystem (SMS)

**Module**

IGDOPST2

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD046I</b> | <b>REQUEST FOR STATUS CHANGE INVALID, {STORAGE GROUP <i>sgname</i> <br/>VOLUME <i>volser</i> LIBRARY <i>libname</i> DRIVE <i>drvname</i>} NOT FOUND IN<br/>CONFIGURATION</b> |
|----------------|--|

**Explanation**

The requested storage group, volume serial number, library name, or drive name does not exist in the active configuration.

In the message text:

***sgname***

The storage group name.

***volser***

The volume serial number.

***libname***

The specified library name.

***drvname***

The specified drive name.

**System action**

The system ignores the request.

**Operator response**

Verify the storage group name, volume serial number, library name, or drive name with the person who requested the change. Enter the command again with the correct name.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD046I**

**REQUEST FOR STORAGE GROUP VALIDATE INVALID, {STORAGE GROUP  
*sgname*|VOLUME *volser*|LIBRARY *libname*|DRIVE *drvname*} NOT FOUND  
IN CONFIGURATION**

**Explanation**

The requested storage group, volume serial number, library name, or drive name does not exist in the active configuration.

In the message text:

***sgname***

The storage group name.

***volser***

The volume serial number.

***libname***

The specified library name.

***drvname***

The specified drive name.

**System action**

The system ignores the request.

**Operator response**

Verify the storage group name, volume serial number, library name, or drive name with the person who requested the change. Enter the command again with the correct name.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD047I**

**INVALID REQUEST FOR CONFIGURATION CHANGE**

**Explanation**

An incorrect request for configuration change was discovered; an internal system error has occurred.

**System action**

The system ignores the request.

**Operator response**

Tell the system programmer about this message.

**System programmer response**

Print the logrec data set and collect documentation for error; then contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |                                     |
|----------------|-------------------------------------|
| <b>IGD048I</b> | <b>NULL CONFIGURATION ACTIVATED</b> |
|----------------|-------------------------------------|

---

## Explanation

The storage management subsystem (SMS) address space has been activated without a valid configuration. An invalid or null configuration can only be activated during SMS startup. The ACDS that is either specified in SYS1.PARMLIB(IGDSMSxx) or referenced within the COMMDS is in error, is empty, or does not exist.

SMS will start successfully with an INVALID or NULL configuration.

## System action

The system proceeds without an active configuration.

## Operator response

Tell the system programmer about this message.

## System programmer response

Correct the ACDS and activate the proper configuration.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD049I</b> | <b>ACTIVATE FAILED - {SCDS ACDS} <i>dsname</i> IS AN INVALID CONFIGURATION</b> |
|----------------|--|

---

## Explanation

An ACTIVATE request attempted to use the storage management subsystem (SMS) data set name, which is either:

- source control data set (SCDS)
- active control data set (ACDS)

If the data set is SCDS, the data set has an incorrect status because the configuration was not validated when it was defined or modified through ISMF. If the data set is ACDS, the data set is one of the following:

- In error

- Empty
- Does not exist

In the message text:

***dsname***

The data set name.

## System action

The system ignores the request.

## Operator response

Notify the system programmer.

## System programmer response

If the data set is a SCDS, validate the data set using ISMF. Reinitiate the ACTIVATE request. If the data set is an ACDS, correct the data set. Reinitiate the ACTIVATE request.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD050I</b> | <b>STATUS NOT CHANGED</b><br><b>{STORAGE GROUP <i>sgname</i>  </b><br><b>VOLUME <i>volser</i>  </b><br><b>LIBRARY <i>libname</i>  </b><br><b>DRIVE <i>drvname</i>}</b><br><b>NOT DEFINED TO SYSTEM OR SYSTEM GROUP <i>sysname</i></b> |
|----------------|---|

## Explanation

Via the VARY SMS command, a request was made to modify the status of the volume, the storage group, the library, or the drive for a system or system group. However, the volume or the storage group was not defined to that system or system group, so the status cannot be changed via the VARY SMS command.

In the message text:

***volser***

The volume serial number.

***sgname***

The storage group name.

***sysname***

The system or system group name.

***libname***

The specified library name.

***drvname***

The specified drive name.

## System action

The system ignores the request.

## Operator response

Notify the system programmer about this message.

## System programmer response

Modify the SCDS to define the volume, the storage group the library, or the drive to the system. Then activate the SCDS.

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

4

---

**IGD051I** **FAILED INSTALLATION EXIT *exitname* IS NOW DEACTIVATED**

## Explanation

The installation exit failed; and during ACS processing, the storage management subsystem will not re-invoke the exit until the SMS address space is restarted. The SMS address space may be restarted by a re-IPL of the system, or by a restart of the storage management subsystem after six failures.

This message is accompanied by IGD307I, which further indicates the reason for the deactivation.

In the message text:

***exitname***

The installation exit name.

## System action

The system bypasses further processing of this exit.

## Operator response

Tell the system programmer about this message.

## System programmer response

Make sure *exitname* does not set a return code of anything other than 0, 4 or 16; if *exitname* returns an unexpected code, the exit is deactivated. If the return code is note the cause of the problem, use message IGD307I, the logrec data set, and SYS1.DUMPnn to determine why the exit failed.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD052I**

**REQUEST DENIED - NO ACTIVE CONFIGURATION**

## Explanation

A request was made to modify the active configuration in the SMS address space or to save the current active configuration in an alternate active control data set (ACDS). There is, however, no currently active configuration.

## System action

The system ignores the request.

## Operator response

Tell the system programmer about this message.

## System programmer response

Activate a configuration before requesting modifications to it.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD053I**

**REQUEST DENIED - SYSTEM OR SYSTEM GROUP *name* NOT DEFINED**  
**CURRENT SYSTEM = *sysname* CURRENT SYSPLEX = *sysplex***

## Explanation

A request was made to modify the status of a volume or storage group for a system within the active configuration in the SMS address space. One of the following is true:

- The name is a system name, and the system is defined in the configuration by system group name.
- The specified system or system group name is not defined to the storage management subsystem (SMS)

In the message text:

### ***name***

The system or system group for which the command was issued.

### ***sysname***

The current system.

### ***sysplex***

The sysplex to which the current system belongs (or blank).

**System action**

The system ignores the request.

**Operator response**

Reenter the command, making sure you specify the system or system group name correctly. If this message appears again, notify the system programmer.

**System programmer response**

If the command is to work as specified, the storage administrator should modify the configuration to include the system or system group name.

**Source**

Storage management subsystem (SMS)

**Module**

IGDOPST1

**Routing code**

2,10

**Descriptor code**

4

---

|         |   |
|---------|---|
| IGD054I | BASE CONFIGURATION INFORMATION NOT ACCESSIBLE IN CDS<br><i>dsname</i> |
|---------|---|

**Explanation**

An attempt was made to read the base configuration information from the CDS data set name; the request was unsuccessful.

In the message text:

***dsname***  
The data set name.

**System action**

The system ignores the request.

**Operator response**

Tell the system programmer about this message.

**System programmer response**

Print the logrec data set and notify your programming support personnel. Switch to a spare CDS for CDS *dsname* and enter the request again.

**Source**

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

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|         |   |
|---------|---|
| IGD055I | ACTIVATE FAILED - CURRENT SYSTEM <i>sysname</i> OR SYSTEM GROUP <i>system-group</i> NOT DEFINED |
|---------|---|

---

## Explanation

The current system or the current system group is not defined in the configuration that is being activated, so the activation failed.

In the message text:

### ***sysname***

The current system.

### ***system-group***

The system group to which the current system belongs.

## System action

The system ignores the request.

## Operator response

Notify the system programmer.

## System programmer response

Add either the system name or the system group name to the configuration that is being activated. If you need instructions for adding the system or system group name, refer to [z/OS DFSMSdfp Storage Administration](#) for details. After adding the system to the configuration, have the operator reenter the ACTIVATE request.

## Source

Storage management subsystem (SMS)

## Module

IGDOPST1

## Routing code

2,10

## Descriptor code

4

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|         |  |
|---------|--|
| IGD056I | {SCDS ACDS COMMDS} <i>dsname</i> NOT FOUND |
|---------|--|

---

## Explanation

The specified SMS data set does not exist; the data set is either the storage management subsystem

- source control data set (SCDS);



- active control data set (ACDS); or
- communication data set (COMMDS).

In the message text:

***dsname***  
The data set name.

### System action

The system issues either message IGD040D if the error occurred with SCDS or ACDS; or messages IGD070D or IGD072A if the error occurred with COMMDS. IGD040D, IGD070D or IGD072A will not be issued if the error was encountered during the execution of the SETSMS COPYSCDS command.

### Operator response

Tell the system programmer about this message, and ask how you should respond to the IGD040D, IGD070D, or IGD072A message that follows.

### System programmer response

Determine the correct SCDS, ACDS, or COMMDS data set to use. You may have to allocate a new data set if the correct one does not exist.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD057I</b> | <b>{SCDS ACDS COMMDS} <i>dsname</i> RESOURCE UNAVAILABLE - RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i></b> |
|----------------|--|

---

### Explanation

The dynamic allocation for SMS data set failed because that data set was not available. The data set was either a storage management subsystem:

- source control data set (SCDS);
- active control data set (ACDS); or
- communication data set (COMMDS).

The return code and reason code are from dynamic allocation.

In the message text:

***dsname***  
The data set name.

***rc***  
The return code.

***rsnc***  
The reason code.

## System action

The system issues either message IGD040D if the error occurred with SCDS or ACDS; or messages IGD070D or IGD072A if the error occurred with COMMDs.

## Operator response

Tell the system programmer about this message, and ask how you should respond to the IGD040D, IGD070D, or IGD072A message that follows.

## System programmer response

Use the dynamic allocation codes and the logrec data set to determine why the data set was not available. [z/OS MVS Programming: Authorized Assembler Services Guide](#) and [z/OS DFSMSdfp Diagnosis](#) can also be helpful for determining the error.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD058I</b> | <b>UNEXPECTED ERROR WITH {SCDS ACDS COMMDs} <i>dsname</i> RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i> DIAGNOSTIC INFORMATION xxx(yyy zzz)</b> |
|----------------|---|

## Explanation

During the SMS configuration services function, an unexpected error occurred for the SMS data set, which is either a storage management subsystem:

- source control data set (SCDS)
- active control data set (ACDS)
- communication data set (COMMDs)

The configuration services function provides the return code, the reason code, and the function codes for diagnostic information.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The configuration services reason code. This indicates which of the following services invoked by SMS was involved in the error:

- SVC 99 (Dynamic Allocation)
- Data-in-virtual

### ***xxx yyy***

The function codes.

### ***zzz***

The diagnostic information.

### System action

The system issues either message IGD040D if the error occurred with SCDS or ACDS; or messages IGD070D or IGD072A if the error occurred with COMMDs. IGD040D, IGD070D or IGD072A will not be issued if the error was encountered during the execution of the SETSMS COPYSCDS command.

### Operator response

Tell the system programmer about this message, and ask how you should respond to the IGD040D, IGD070D, or IGD072A message that follows.

### System programmer response

Use the codes that the SMS configuration services function provides, the logrec data set, and SYS1.DUMPnn to determine why the unexpected error occurred. *z/OS DFSMSdfp Diagnosis* provides explanations for the configuration service return codes, reason codes, and function codes. If the reason code indicates that dynamic allocation was involved in the error, see *z/OS MVS Programming: Authorized Assembler Services Guide* for an explanation of dynamic allocation return and reason codes. If the reason code indicates that data-in-virtual was involved in the error, see *z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN* for an explanation of data-in-virtual return and reason codes.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code:

---

|         |  |
|---------|--|
| IGD059I | UNABLE TO ALLOCATE ANY STORAGE FOR SMS TRACE TABLE |
|---------|--|

### Explanation

The allocation request for the SMS trace table data area failed due to a resource shortage problem.

### System action

The system continues processing, but will not trace any storage management subsystem data.

### Operator response

When the resource becomes available, issue the SETSMS SIZE command to obtain storage for the SMS trace table.

### Source

DFSMSdfp

### Routing code

2,10

### Descriptor code

4

---

|         |  |
|---------|--|
| IGD060I | UNABLE TO ALLOCATE SMS TRACE TABLE OF REQUESTED LENGTH<br>nnnnnn KILOBYTES - ONLY mmmmmm KILOBYTES ARE ALLOCATED |
|---------|--|

## Explanation

Due to a resource shortage, the storage management subsystem was unable to allocate an SMS trace table of the requested length of kilobytes. Instead, the storage management subsystem allocated a smaller SMS trace table of length *mmmmm* kilobytes.

In the message text:

***nnnnnn***

The requested number of kilobytes.

***mmmmm***

The allocated number of kilobytes.

## System action

The system continues processing.

## Operator response

When the resource becomes available, reenter the command to increase the size of the SMS trace table.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD061I**

**UNABLE TO ALLOCATE ANY STORAGE FOR NEW SMS TRACE TABLE,  
THE EXISTING TRACE TABLE IS USED**

## Explanation

Due to a resource shortage, the storage management subsystem was unable to allocate storage for a new SMS trace table. Instead, the storage management subsystem uses the existing SMS trace table.

## System action

The system continues processing.

## Operator response

When the resource becomes available, reenter the command to change the size of the SMS trace table.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

**Explanation**

An attempt was made to activate a source control dataset (SCDS) or an active control dataset (ACDS) with a name consisting of the single word: active. You cannot activate a control data set (CDS) with the name of active.

**System action**

The system rejects the request.

**Operator response**

Correct the SCDS or ACDS name and retry the request.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

**Explanation**

An attempt to refresh the active configuration was unsuccessful after an attempt was made to reaccess the data set. Refer to the preceding messages for the cause of the error.

**System action**

The system continues processing, using the in-storage copy of the active configuration.

**Operator response**

Ask the system programmer for the name of the backup ACDS and issue the MVS command SETSMS ACDS(name.of.backup.acds). Then, enter 'C' to cancel the outstanding request to refresh the active configuration.

**System programmer response**

Ensure the backup ACDS is shared among all active SMS systems, and tell the operator the ACDS name. Once the backup ACDS is active, ensure the backup ACDS is active on other systems where SMS is active with the corrupted ACDS. Collect all the SYS1.LOGREC and SYS1.DUMPnn information resulting from this error to determine what occurred.

**Source**

DFSMSdfp

## Explanation

An attempt was made to update an SCDS, ACDS or COMMDS which has not been converted to support more than 8 systems or system group names on a DFSMS/MVS 1.3.0 or higher system where SMS was started with SYSTEMS(32) specified in the 'SYS1.PARMLIB(IGDSMSxx)'. Before it can be used in update mode, it must be converted to support more than 8 systems.

In the message text:

### ***dsname***

The SCDS, ACDS, or COMMDS being accessed

## System action

The system issue message IGD067D and waits for a reply.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator must determine whether or not the SCDS, ACDS or COMMDS should be converted to a format which supports more than eight systems, and reply either 'CONVERT' or 'REJECT' to message IGD067D.

## Source

Storage Management Subsystem (SMS)

---

### **IGD065I**

**ACCESS TO {SCDS | ACDS | COMMDS} *dsname* DENIED - DATA SET NOT  
CONVERTED TO SUPPORT MORE THAN 8 SYSTEMS**

## Explanation

This message follows the messages IGD064I and IGD067D when the reply to message IGD067D is 'REJECT'.

An attempt was made to access an SCDS, ACDS, or COMMDS which has not been converted to support more than 8 systems or system group names on DFSMS/ MVS 1.3.0 or higher where SMS was started with SYSTEMS(32) specified in the 'SYS1.PARMLIB(IGDSMSxx)'. The operator replied 'REJECT' to IGD067D.

In the message text:

### ***dsname***

The SCDS, ACDS, or COMMDS being accessed

## System action

Access to the requested SMS control data set fails. If an activate was in progress, the activation fails.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator should refer to message IGD069D.

## Source

Storage Management Subsystem (SMS)

---

|                |   |
|----------------|---|
| <b>IGD066I</b> | <b>{SCDS   ACDS   COMMDS} <i>dsname</i> COULD NOT BE SAVED - DATA SET HAS BEEN CONVERTED TO SUPPORT MORE THAN 8 SYSTEMS</b> |
|----------------|---|

---

## Explanation

SMS attempted to save the specified control data set. SMS is currently running in 8 system mode on this system, and the control data set has been converted to support more than eight systems. The control data set could not be saved.

In the message text:

### ***dsname***

The SCDS, ACDS, or COMMDS being saved

## System action

The control data set is not saved. The system continues processing, and any in-memory copy of the control data set is not affected.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator should do one of the following:

1. restart SMS using the SET SMS command and an IGDSMSxx member of SYS1.PARMLIB with SYSTEMS(32) specified
2. issue a SETSMS command to tell SMS to use a control data set which is still in 8 system mode.

## Source

Storage Management Subsystem (SMS)

---

|                |   |
|----------------|---|
| <b>IGD067D</b> | <b>REPLY 'CONVERT' TO ALLOW CONVERSION OF {SCDS   ACDS   COMMDS} TO SUPPORT MORE THAN 8 SYSTEMS OR 'REJECT' TO FAIL THE REQUEST</b> |
|----------------|---|

---

## Explanation

Before replying to this message, review the section on 'Converting the SMS configuration from Compatibility to 32 System mode' in [z/OS DFSMSdfp Storage Administration](#)

A request has been made to convert an SCDS, ACDS, or COMMDS to support more than 8 systems or system group names where SMS was started with SYSTEMS(32) specified in 'SYS1.PARMLIB(IGDSMSxx)'. For the name of the data set, see the preceding IGD064I message. Converting the SCDS, ACDS or COMMDS will cause the following to occur:

1. Support of more than 8 systems for all systems in the SMSplex
2. Any systems lower than DFSMS/MVS 1.3.0 will no longer be able to access the data set being converted
3. Any systems running DFSMS/MVS 1.3.0 and higher in compatibility mode (SYSTEMS(8) specified in 'SYS1.PARMLIB(IGDSMSxx)') will not be able to access the data set being converted.

**Note:** If the IGD039I message is not received to indicate the data set has been converted, then the SCDS, ACDS or COMMDs remains in 8 system mode.

### System action

The system waits for a reply. If the reply is 'CONVERT', the request to convert the SCDS, ACDS or COMMDs is allowed and the conversion occurs. If the reply is 'REJECT', the request to convert the SCDS, ACDS or COMMDs is denied and the message IGD065I is issued.

### Operator response

Contact the storage administrator.

### User response

Contact the storage administrator.

### Programmer response

The storage administrator must determine whether or not the SCDS, ACDS or COMMDs should be converted to a format which supports more than 8 systems. The storage administrator should reply 'CONVERT' if converting all systems in the SMSplex to greater than 8 systems. If conversion is not desired, the storage administrator should reply 'REJECT' and do the following:

1. Change the 'SYS1.PARMLIB(IGDSMSxx)' member that was used to start SMS so it specifies SYSTEMS(8).
2. Restart SMS using the SET SMS=xx command pointing to the corrected 'SYS1.PARMLIB(IGDSMSxx)' member from step 1.
3. Reply to the IGD069D issued when 'REJECT' was replied, after the PARMLIB member from step 1 in effect, specifying the ACDS or COMMDs name specified in 'SYS1.PARMLIB(IGDSMSxx)' member from step 1, to allow SMS to restart without converting the ACDS or COMMDs.

### Source

Storage Management Subsystem (SMS)

---

|                |   |
|----------------|---|
| <b>IGD068I</b> | <b>{SCDS   ACDS   COMMDs} NOT ACCESSED - DATA SET IS {A COMMDs   AN SCDS OR ACDS   THE CURRENT COMMDs   THE CURRENT ACDS}</b> |
|----------------|---|

---

### Explanation

A SETSMS or ISMF ACTIVATE command was issued with the specified data set name. The command indicated that the data set was one type of SMS control data set, but when SMS accessed it, SMS determined it to be a different type of control data set.

### System action

The system fails the request.

### Operator response

Reissue the command, either specifying the correct keyword or the correct data set name.



## System programmer response

Reissue the command, either specifying the correct keyword or the correct data set name.

## User response

Contact the storage administrator.

## Programmer response

Reissue the command, either specifying the correct keyword or the correct data set name.

## Problem determination

The specified configuration data set is the same as the active one.

## Source

Storage Management Subsystem (SMS)

## Routing code

2

## Descriptor code

4

IGD068I

---

*cds\_type dsname* SPECIFIED IS THE SAME AS THE ACTIVE *cds\_type* -  
COMMAND IS REJECTED

## Explanation

An operator attempts to activate the active control data set or communication data set by specifying it either in a SETSMS command or in the IGDSMSxx parmlib member, but the data set is the same as the currently active one.

In the message text:

### *cds\_type*

The configuration data set types:

- ACDS - Active Configuration Data Set
- COMMDS - Communication Data Set

### *dsname*

The data set name

## System action

Validation processing rejected the SMS request. The currently active configuration data sets are still in effect.

## User response

Contact the storage administrator.

## Programmer response

If you need to change the system configuration, specify a different configuration data set.

## Source

Storage Management Subsystem (SMS)

---

**IGD069D****PLEASE ENTER NAME OF {ACDS | COMMDS} TO BE USED**

---

## Explanation

A SET SMS or SETSMS command was issued which changed the ACDS or COMMDS. Both the ACDS or COMMDS which was specified by the command and the ACDS or COMMDS previously in use are incompatible with the mode in which the system is currently running. Either they support more than eight systems and the system is running in eight name mode (in which case message IGD044I was previously issued) or they support only eight systems and the system is running in 32 name mode (in which case messages IGD064I and IGD067D were previously issued).

## System action

The system waits for the operator to enter the name of a control data set which can be used with the mode in which the system is running.

## Operator response

Enter the name of an SMS control data set which can be used with the mode in which the system is running.

## User response

None.

## Programmer response

Reply with one of the following:

1. Reply to this message with the ACDS or COMMDS name that has already been converted to 32-system name support.
2. Restart SMS using the SET SMS command pointing to the 'SYS1.PARMLIB(IGDSMSxx)' with SYSTEMS(8) specified before replying to IGD069D with the ACDS or COMMDS name specified in the 'SYS1.PARMLIB(IGDSMSxx)' that you have restarted SMS with.

## Source

Storage Management Subsystem (SMS)

---

**IGD069D****SYNTAX ERROR DETECTED, PLEASE ENTER A VALID COMMDS NAME**

---

## Explanation

Message IGD0069D (ENTER NAME OF COMMANDS TO BE USED) was issued previously, but the operator replies with a response that contains a syntax error. This message is issued to prompt the operator for a correction.

## System action

The system waits for the operator to enter the name of a control data set which can be used with the mode in which the system is running.

## Operator response

Enter the name of an SMS control data set which can be used with the mode in which the system is running.

## User response

None.

## Programmer response

Provide the operator with the name of a control data set which can be used with the mode in which the system is running.

## Source

Storage Management Subsystem (SMS)

---

|                |   |
|----------------|---|
| <b>IGD070D</b> | <b>SMS COMMUNICATION ERROR, REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, 'T' TO TERMINATE SMS COMMUNICATION ERROR {reason}, REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, 'T' TO TERMINATE</b> |
|----------------|---|

---

## Explanation

An attempt to synchronize the current system with other systems in the storage management subsystem complex failed because of an error with the SMS communication data set (COMMDS). This message is preceded by one of the following messages, which further describes the error: IGD041I, IGD056I, IGD057I, IGD058I, or IGD090I.

## System action

The system waits for the operator to reply.

## Operator response

Tell the system programmer about this message and the message that preceded it, and ask which reply to enter.

## Programmer response

Examine the message that preceded IGD070D to determine the reason for the error, and to decide which reply the operator should enter. Keep in mind the system's response to a particular operator reply and the existing conditions under which the reply is entered:

- If the operator specifies 'U' to retry, the system reinitiates the failing operation.
- If the operator specifies 'C' to cancel during storage management subsystem initialization, the system allows that initialization to complete. However, communication between systems in the storage management subsystem complex is suspended until the operator specifies a new COMMDS or INTERVAL via the SETSMS command.
- If the operator specifies 'C' to cancel during SETSMS command processing, the system ignores the failing operation, and continues processing with the current COMMDS.
- If the operator specifies 'C' to cancel during interval processing: communication between systems in the storage management subsystem complex is suspended until the operator specifies a new COMMDS or INTERVAL via the SETSMS command.
- If the operator specifies 'S' to suspend, communication between systems in the storage management subsystem complex is suspended until the operator specifies a new COMMDS or INTERVAL via the SETSMS command.
- If the operator specifies 'T' to end, the system ends the intersystem communications task and restarts the SMS address space.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

**IGD071I**

**COMMDS *dsname* IS BEING REFORMATTED**

---

## Explanation

An attempt was made to read the unformatted SMS communication data set.

In the message text:

***dsname***

The data set name.

## System action

The system reformats the COMMDS and continues processing.

## Operator response

Tell the system programmer about this message, and ask which reply to enter.

## System programmer response

Verify that the copy of the COMMDS on direct access storage device (DASD) has not been corrupted.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD072A**

**PREVIOUSLY ACTIVE COMMDS COULD NOT BE UPDATED WITH NEW  
COMMDS, REPLY 'U' WHEN ALL SYSTEMS ARE SYNCHRONIZED**

---

## Explanation

A new SMS communication data set (COMMDS) has just been specified on the current system, and the current system has successfully switched to the new COMMDS. Ordinarily, the previously active COMMDS is then updated so the other systems in the storage management subsystem complex will also switch to the new COMMDS. However, in this case the previously active COMMDS cannot be updated because of an error indicated by the preceding message, which is either IGD041I, IGD056I, IGD057I, or IGD058I. Therefore, to maintain proper communication between systems, all remaining systems in the storage management subsystem complex must be manually switched to the new COMMDS.

## System action

The system waits for the operator to reply.

## Operator response

To manually switch to the new COMMDS and synchronize all systems, issue the SETSMS COMMDS command for each remaining system in the storage management subsystem complex. Then reply 'U', and tell the system programmer about the preceding message so the previously active COMMDS can be corrected.

## System programmer response

Use the preceding message to determine why the previously active COMMDS could not be updated, and correct the error.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

**IGD073I** **ANOMALY DETECTED IN COMMDS *dsname* - REASON CODE *rsnc***

## Explanation

An anomaly was detected between the COMMDS data set and the active configuration. The reason code, which is from the intersystem communication subcomponent of the storage management subsystem, further describes the error.

In the message text:

### ***dsname***

The data set name.

### ***rsnc***

The reason code.

## System action

The system repairs and rewrites the COMMDS based on the active configuration, and then continues processing.

## Operator response

Tell the system programmer about this message.

## System programmer response

Use the reason code *rsnc* from intersystem communication and the logrec data set to determine why the COMMDS contains incorrect information. [z/OS DFSMSdfp Diagnosis](#) contains explanations of SMS intersystem communication reason codes.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD074D**

**REPLY WITH SMS VALUE, 'KEYWORD(VALUE)', OR REPLY 'D' FOR  
DEFAULT, 'C' FOR CANCEL, OR 'S' FOR SAVE**

## Explanation

This message gives the operator the opportunity to correct, change, or add to the specified storage management subsystem values. IGD074D appears either during storage management subsystem initialization or in response to the SET SMS command, only if one of the following conditions exists:

- PROMPT=YES is specified in the storage management subsystem record of SYS1.PARMLIB member IEFSSNxx; in this case, message IGD031I also appears.
- An error is detected in the IGDSMSxx SYS1.PARMLIB member, but all of the required keywords have been specified.

In the message text:

### **keywd**

The specified keyword.

### **value**

The keyword value.

## System action

The system waits for the operator to respond to this message before allowing storage management subsystem initialization to continue. The system issues message IGD030I to describe the error.

## Operator response

You can enter the following replies:

- A keyword value, which will correct, change, or add a storage management subsystem value. Enter only one value per prompt; this message will reappear until you enter either 'C' or 'S'.
- 'D', which will default all of the storage management subsystem values except those that are required.
- 'C', which will operate differently depending on the circumstances under which you issue it:
  - If you reply 'C' during storage management subsystem initialization, the initialization process is cancelled. Therefore, the subsystem is defined but inactive. You may activate the subsystem later via the SET SMS command.
  - If you issue 'C' when the storage management subsystem is active and you have issued SET SMS, the SET SMS operation is cancelled. Therefore, the storage management subsystem will continue to operate with the previously specified values.
- 'S', which will save all the storage management subsystem values that have been specified up to this point. If any required values are unspecified or incorrect, you must provide or correct them before replying 'S'.

See [\*z/OS MVS System Commands\*](#) for information about the SET SMS command.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

**IGD075D**

**REPLY WITH SMS VALUE, 'keywd(value)', OR REPLY 'D' FOR DEFAULT  
OR 'S' FOR SAVE**

## Explanation

This message is issued in conjunction with IGD035I if an error is detected in the records that define the storage management subsystem in the IEFSSNxx members of SYS1.PARMLIB. Descriptions of the ID and PROMPT keywords and their values for the storage management subsystem definition in IEFSSNxx can be found in [z/OS MVS Initialization and Tuning Reference](#).

In the message text:

### **keywd**

The specified keyword.

### **value**

The keyword value.

## System action

The system waits for the operator to respond to this message before allowing storage management subsystem initialization to continue.

## Operator response

You may enter the following replies:

- 'keyword(value)', which will correct, change, or add a storage management subsystem value. Enter only one value per prompt; this message will reappear until you enter 'S'.
- 'D', which will default all of the storage management subsystem values except those that are required.
- 'S', which will save all the storage management subsystem values that have been specified up to this point. If any values are incorrect, you must correct them before replying 'S'.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

**IGD076D**

**ACDS dsname IN COMMDS NOT ACTIVE, REPLY 'U' TO ACTIVATE OR 'C'  
TO IGNORE**

## Explanation

The operator has specified a new SMS communication data set (COMMDS) that describes an SMS active control data set (ACDS) that is not currently active.

In the message text:

***dsname***

The data set name.

**System action**

The system waits for the operator to reply.

**Operator response**

Tell the system programmer about this message, and ask how to respond.

**Programmer response**

If you want to use the new COMMDS and to synchronize the current system with other systems in the complex, tell the operator to reply 'U' to activate the ACDS described in the COMMDS. In response to 'U', the system will attempt to activate the ACDS in the new COMMDS, and the COMMDS, ACDS, and the active configuration will change.

If you want to ignore the new COMMDS, tell the operator to reply 'C' to continue with the current ACDS and ignore the ACDS found in the COMMDS. In response to 'C', the system will treat the new COMMDS as empty, and will reformat it.

**Source**

DFSMSdfp

**Routing code**

1

**Descriptor code**

2

---

**IGD077I**

**SYS1.PARMLIB MEMBER *mem* NOT FOUND**

**Explanation**

The IGDSMSxx member of SYS1.PARMLIB does not exist.

In the message text:

***mem***

The specified member name.

**System action**

If PROMPT=YES was specified in IEFSSNxx, the system will prompt the operator for SMS initialization parameters. Otherwise, storage management subsystem initialization will fail.

**Operator response**

If you are prompted for SMS initialization parameters, enter them. Otherwise, tell the system programmer about this message.

**System programmer response**

Create a new IGDSMSxx member and have the operator issue the SET SMS command, specifying the new IGDSMSxx member.



**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD078D</b> | <b>REPLY WITH SMS VALUE, 'KEYWORD(VALUE)', OR REPLY 'C' FOR CANCEL</b> |
|----------------|--|

---

**Explanation**

This message gives the operator the opportunity to correct, change, or add to the specified storage management subsystem values. IGD078D appears either during storage management subsystem initialization or in response to the SET SMS command, only if required SMS keyword values have not been specified in SYS1.PARMLIB member IGDSMSxx.

In the message text:

**keywd**  
The specified keyword.

**value**  
The keyword value.

**System action**

The system waits for the operator to respond to this message before allowing storage management subsystem initialization to continue. The system issues message IGD030I to describe the error.

**Operator response**

You can enter the following replies:

- A keyword value, which will correct, change, or add a storage management subsystem value. Enter only one value per prompt; this message will reappear until you have entered either 'C' or all required values. Then message IGD074D or IGD078D will appear to prompt you for additional storage management subsystem values.
- 'C', which will operate differently depending on the circumstances under which you issue it:
  - If you reply 'C' during storage management subsystem initialization, the initialization process is cancelled. Therefore, the subsystem is defined but inactive. You may activate the storage management subsystem later via the SET SMS command.
  - If you issue 'C' when the storage management subsystem is active and you have issued SET SMS, the SET SMS operation is cancelled. Therefore, the subsystem will continue to operate with the previously specified values.

See [z/OS MVS System Commands](#) for information about the SET SMS command.

**Source**

DFSMSdfp

**Module**

1

## Routing code

2

---

**IGD079D**

**SPECIFY IGDSMSxx SUFFIX OR 'C' TO CANCEL**

---

## Explanation

The IGDSMSxx member of SYS1.PARMLIB does not exist so the operator is prompted to supply another suffix.

## System action

The operator is prompted to supply a new IGDSMSxx suffix. If the operator specifies a new suffix, SMS initialization will try to read that IGDSMSxx member. If the operator specifies 'C' to cancel, then SMS initialization will fail.

## Operator response

Specify a new IGDSMSxx suffix or 'C' to cancel.

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

---

**IGD080I**

**SMS DUMP SUPPRESSED FOR CSECT *name* COMPLETION CODE *cde***

---

## Explanation

During dump processing, SMS detected an error, and SVC dump indicated that the dump was suppressed. The installation suppressed the dump through one of the following:

- DUMP=NO was specified during IPL.
- A SLIP NODUMP command suppressed the dump.
- DAE suppressed the dump.

In the message text:

### ***name***

The failing CSECT.

### ***cde***

The abend code in the system diagnostic work area (SDWA) preceded by an S for a system abend or a U for a user abend.

## System action

SMS does not take the dump. Message IGD300I is issued indicating the abend code and the CSECT that abended.

## Operator response

Notify the system programmer.

## System programmer response

Determine why the abend occurred and why the dump was suppressed.

### Source

DFSMSdfp

---

**IGD081I**

**COMMDS *dsname* DOES NOT HAVE SYSTEM *sysname* OR SYSPLEX *sysplex* DEFINED**

### Explanation

An attempt was made to switch to a communications data set (COMMDS) where the current system name or the current sysplex name is not defined. The communications data set cannot be used to switch to a valid COMMDS.

In the message text:

#### ***dsname***

The data set name.

#### ***sysname***

The current system.

#### ***sysplex***

The sysplex to which the current system belongs.

### System action

The system rejects the request.

### Operator response

Specify an empty COMMDS or a COMMDS with a system name or sysplex name that exists in response to IGD069D.

### Source

DFSMSdfp

---

**IGD082D**

**REPLY *keyword(value)*, OR 'D' TO DEFAULT THE VALUE, OR 'C' FOR CANCEL**

### Explanation

A syntax error was detected in the reply to a previous message for the specified keyword. This message is issued to prompt the operator to correct the error.

In the message text:

#### ***keyword***

One of the following keywords:

- LOG\_OF\_LOGS
- QTIMEOUT
- AKP
- TV\_START\_TYPE

#### ***value***

A parameter value for a keyword.

## System action

The system waits for the operator to reply.

## Operator response

Correct the error by replying with the keyword and value, or reply with D to use the default value; if the reply is one of these, the system continues to process the other DFSMS parameter specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMS parameters specified in the PARMLIB member and keeps the previous DFSMS values. Tell the system programmer about this error.

## System programmer response

Fix the error in the PARMLIB member.

## Problem determination

None

## Source

DFSMSdfp

## Module

IGDSSIPO, IGDSSITV

---

|                |  |
|----------------|--|
| <b>IGD082D</b> | <b>RESPONSE IS INVALID, PLEASE RESPECIFY <i>keyword(value)</i>, REPLY 'D' TO DEFAULT THE VALUE, OR 'C' TO CANCEL ALL TRANSACTIONAL VSAM VALUES</b> |
|----------------|--|

---

## Explanation

A syntax error was detected in the IGDSMSxx member of SYS1.PARMLIB or in the reply to a previous message for the specified keyword. This message is issued to prompt the operator to correct the error.

In the message text:

### ***keyword***

One of the following keywords:

- LOG\_OF\_LOGS
- QTIMEOUT
- AKP
- TV\_START\_TYPE

### ***value***

A parameter value for a keyword.

## System action

The system waits for the operator to reply.

## Operator response

Correct the error by replying with the keyword and value, or reply with D to use the default value; if the reply is one of these, the system continues to process the other DFSMS parameter specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMS parameters specified in the PARMLIB member and keeps the previous DFSMS values. Tell the system programmer about this error.

**System programmer response**

Fix the error in the PARMLIB member.

**Problem determination**

None

**Source**

DFSMSdfp

**Module**

IGDSSIPO, IGDSSITV

---

|                |   |
|----------------|---|
| <b>IGD083D</b> | <b>REPLY WITH TVSNAME(<i>value</i>), OR REPLY 'C' TO CANCEL ALL TRANSACTIONAL VSAM VALUES</b> |
|----------------|---|

---

**Explanation**

A syntax error was detected in the reply to a previous message. This message is issued to prompt the operator to correct the error.

In the message text:

***value***  
The value of the TVSNAME parameter.

**System action**

The system waits for the operator to reply.

**Operator response**

Correct the error by replying with TVSNAME(*value*), and the system continues to process the other DFSMSStvs parameters specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMSStvs parameters specified in the PARMLIB member and keeps the previous DFSMSStvs parameter values. Tell the system programmer about this error.

**System programmer response**

Fix the error in the PARMLIB member.

**Problem determination**

None

**Source**

DFSMSdfp

**Module**

IGDSSIPO, IGDSSITV

---

|                |   |
|----------------|---|
| <b>IGD083D</b> | <b>RESPONSE IS INVALID. PLEASE RESPECIFY TVSNAME(<i>value</i>) OR REPLY 'C' TO CANCEL ALL TRANSACTIONAL VSAM VALUES</b> |
|----------------|---|

---

## Explanation

A syntax error was detected in the TVSNAME parameter specified in the IGDSMSxx member of SYS1.PARMLIB or in the reply to a previous message. This message is issued to prompt the operator to correct the error.

In the message text:

### **value**

The value of the TVSNAME parameter.

## System action

The system waits for the operator to reply.

## Operator response

Correct the error by replying with TVSNAME(*value*), and the system continues to process the other DFSMStvs parameters specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMStvs parameters specified in the PARMLIB member and keeps the previous DFSMStvs parameter values. Tell the system programmer about this error.

## System programmer response

Fix the error in the PARMLIB member.

## Problem determination

None

## Source

DFSMSdfp

## Module

IGDSSIPO, IGDSSITV

---

### **IGD084D**

**REPLY 'C' TO CANCEL ALL TRANSACTIONAL VSAM PARAMETERS, AND  
CORRECT THE SYSNAME PARAMETER IN THE SMS PARMLIB MEMBER**

## Explanation

A syntax error was detected for the SYSNAME parameter in the IGDSMSxx member of SYS1.PARMLIB. This message is issued to prompt the operator to correct the error.

## System action

The system waits for the operator to reply.

## Operator response

Reply C to cancel all DFSMStvs parameter values. In addition, report this error to system programmer. After the system programmer corrects the error in the SMS configuration, issue a SET SMS command to reactivate the PARMLIB member.

## System programmer response

Correct the error in the SMS configuration.

**Problem determination**

None

**Source**

DFSMSdfp

**Module**

IGDSSIPO

---

|                |  |
|----------------|--|
| <b>IGD085D</b> | <b>REPLY <i>keyword(value,value)</i>, OR 'D' TO DEFAULT THE VALUE, OR 'C' FOR CANCEL</b> |
|----------------|--|

**Explanation**

A syntax error was detected in the IGDSMSxx member of SYS1.PARMLIB or in the reply to a previous message for the specified keyword. This message is issued to prompt the operator to correct the error.

In the message text:

***keyword***

A keyword that specifies a parameter, such as MAXLOCKS.

***value***

A parameter value.

**System action**

The system waits for the operator to reply.

**Operator response**

Reply *keyword(value,value)* to correct the error, or reply with D to use the default value; if the reply is one of these, the system continues to process the other DFSMS parameter specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMS parameters specified in the PARMLIB member. Tell the system programmer about this error.

**System programmer response**

Fix the error in the PARMLIB member

**Problem determination**

None

**Source**

DFSMSdfp

**Module**

IGDSSIPO, IGDSSITV

---

|                |  |
|----------------|--|
| <b>IGD085D</b> | <b>RESPONSE IS INVALID, PLEASE RESPECIFY <i>keyword(value,value)</i>,<br/>REPLY 'D' TO DEFAULT THE VALUE, OR 'C' TO CANCEL ALL<br/>TRANSACTIONAL VSAM VALUES</b> |
|----------------|--|

## Explanation

A syntax error was detected in the IGDSMSxx member of SYS1.PARMLIB or in the reply to a previous message for the specified keyword. This message is issued to prompt the operator to correct the error.

In the message text:

**keyword**

A keyword that specifies a parameter, such as MAXLOCKS.

**value**

A parameter value.

## System action

The system waits for the operator to reply.

## Operator response

Reply *keyword(value,value)* to correct the error, or reply with D to use the default value; if the reply is one of these, the system continues to process the other DFSMStvs parameters specified in the PARMLIB member. If the reply is C, the system ignores all other DFSMStvs parameters specified in the PARMLIB member and keeps the previous DFSMStvs values. Tell the system programmer about this error.

## System programmer response

Fix the error in the PARMLIB member

## Problem determination

None

## Source

DFSMSdfp

## Module

IGDSSIPO, IGDSSITV

---

|                |   |
|----------------|---|
| <b>IGD086I</b> | <b>DATA SET SEPARATION PROFILE <i>dsn</i> {COULD NOT BE ACCESSED. SMS RETURN CODE <i>rc func</i> REASON CODE <i>rsn</i>.   CONTAINED A SYNTAX ERROR ON LINE <i>line</i> POSITION <i>pos</i>.}</b> |
|----------------|---|

## Explanation

This message is generated at the time a new SMS source control data set (SCDS) has been activated or an active control data set (ACDS) has been switched. The control data set specified a data set separation profile that could not be accessed or that failed syntax checking.

In the message text:

***dsn***

The name of the data set separation profile

***rc***

The 4-byte return code, in hexadecimal

***func***

The name of the function that detected the error

***rsn***

The 4-byte function reason code, in hexadecimal



**line**

The number of the line in the separation profile that contained the syntax error

**pos**

The character position within the line where the syntax error was detected

**System action**

Processing continues without data set separation support.

**Operator response**

Contact the system programmer.

**System programmer response**

Resolve the access error and reactivate the configuration. For profile access failures, make sure that the data set is cataloged and that the SCDS base configuration contains the correct profile data set name. A profile that reports a syntax error or an access error with SMS as the function detecting the error indicates that the profile has been modified without validation. Run SCDS validation and reactivate the configuration. If the error persists after successful validation, contact the IBM Support Center and report the error.

**Source**

Storage Management Subsystem (DFSMS)

**Module**

IGDOPST2

---

**IGD089I**

**DATA SET SEPARATION PROFILE *dsn* CONTAINING AN UNSUPPORTED  
DATA SET SEPARATION GROUP WAS FOUND ON LINE *nnn***

**Explanation**

This message is generated at the time a new SMS source control data set (SCDS) has been activated or an active control data set (ACDS) has been switched. The control data set contains an unsupported data set separation group.

In the message text:

***dsn***

The name of the data set separation profile

***nnn***

The number of the line in the separation profile that contained the unsupported data set separation group

**System action**

Validation processing continues with the data set separation profile.

**Operator response**

Contact the system programmer.

**System programmer response**

This message is for informational purpose only. During the validation of the data set separation profile, an unsupported data set separation group was found. This data set separation group is ignored and validation of the data set profile continues. This message is issued only for the first unsupported data set separation group.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDOPST2

---

|                |   |
|----------------|---|
| <b>IGD090I</b> | <b><i>cds_type</i> ('<i>dsname</i>') RECORD ORGANIZATION IS NOT VSAM LDS (LINEAR)</b> |
|----------------|---|

---

## Explanation

SMS found that the control data set (CDS) was not defined as a VSAM Linear Data Set (LDS) at allocation time, which is required. Any time you issue a SETSMS command or activate a CDS during IPL, SMS uses the Catalog Search Interface (CSI) to make sure that the CDS is a VSAM LDS. The requested action fails.

In the message text:

### ***cds\_type***

The type of CDS. The CDS is either ACDS or COMMDS.

### ***dsname***

The data set name of the CDS.

## System action

The requested action fails.

## Operator response

Reallocate the CDS as a VSAM LDS and reissue the request that failed.

## System programmer response

n/a

## Source

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4, 12

## Reference Documentation

For additional information see [Allocating control data sets in z/OS DFSMSdfp Storage Administration](#).

---

|                |  |
|----------------|--|
| <b>IGD091I</b> | <b>CATALOG SEARCH INTERFACE FAILED FOR <i>cds_type</i> ('<i>dsname</i>'). ERROR RETURN CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i> IGG0CLxx</b> |
|----------------|--|

---

## Explanation

While checking to see if the control data set (CDS) was defined as a VSAM Linear Data Set (LDS), the catalog search interface (CSI) failed to retrieve the data set organization information for the CDS. The return and reason codes explain the problem..

In the message text:

***cds\_type***

The type of CDS. The CDS is either ACDS or COMMDS.

***dsname***

The data set name of the CDS.

***rc***

The return code from CSI.

***rsnc***

The reason code from CSI.

- For the reason codes associated with return code 4, see message IDC3009I in [z/OS MVS System Messages, Vol 6 \(GOS-IEA\)](#).
- For other return codes, see the reason codes documented in [Return Codes for General Purpose Register 15 in z/OS DFSMS Managing Catalogs](#).

***xx***

The last two characters of the module id.

**System action**

The requested action fails.

**Operator response**

n/a

**System programmer response**

n/a

**Source**

DFSMSdfp

**Routing code**

2, 10

**Descriptor code**

4, 12

---

**IGD092I**

**WARNING: YOU MUST BE PREPARED TO CONVERT ALL SYSTEMS IN THE SMSPLEX. FAILURE TO DO SO MAY CAUSE ERRORS ACCESSING THE CONFIGURATION DATA SET(S).**

**Explanation**

This message is issued in conjunction with IGD067D to inform the operator that they have requested the SMS CDS to be converted to 32 system mode. See *z/OS DFSMSdfp Storage Administration*, section "Converting the SMS configuration from Compatibility to 32 System mode" before responding to IGD067D.

**System action**

Processing continues.

## Operator response

None

## System programmer response

n/a

## Source

DFSMSdfp

## Routing code

1

## Descriptor code

2

**IGD093I**

***cds\_type ('dsname')* NOT DEFINED WITH THE REUSE OPTION AND HAS  
BEEN AUTOMATICALLY ALTERED TO REUSE**

## Explanation

This is an informational message indicating that the system is automatically re-defining the CDS with the REUSE option. The ACDS/COMMDS data sets should be defined with the REUSE option to help to avoid space problem (SMS reason code 6068) when doing subsequent ACDS updates, or IMPORT/EXPORT functions.

In the message text:

### ***cds\_type***

The type of CDS. The CDS is either ACDS or COMMDS.

### ***dsname***

The data set name of the CDS.

## System action

Processing continues.

## Operator response

n/a

## System programmer response

n/a

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD094I****CATALOG ERROR WHILE ALTERING *cds\_type* ('*dsname*') FROM  
NOREUSE TO REUSE. RETURN CODE IS *rc* REASON CODE IS *rsnc*  
IGG0CLxx**

## Explanation

The system detected that the CDS was defined with the NOREUSE option. The system attempts to alter the CDS to REUSE but fails. The accompanying return and reason code explain the problem.

In the message text:

### ***cds\_type***

The type of CDS. The CDS is either ACDS or COMMDS.

### ***dsname***

The data set name of the CDS.

### ***rc***

The return code from CSI.

### ***rsnc***

The reason code. If the reason code is non-zero, see the explanation for the reason code in message IDC3009I in [z/OS MVS System Messages, Vol 6 \(GOS-IEA\)](#).

## System action

Processing continues.

## Operator response

n/a

## System programmer response

Follow the instructions for the reason code in message IDC3009I.

## Source

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4, 12

---

**IGD095I*****cds\_type dsname* CAN NOT BE AN EXTENDED FORMAT LINEAR DATA  
SET**

## Explanation

While reading the IGDSMSxx parmlib member, SMS detected that a specified active control data set (ACDS) or communication data set (COMMDS) are in extended format, which is not supported.

In the message text:

### ***cds\_type***

The configuration data set type:

#### **ACDS**

Active Configuration Data Set

**COMMDS**

Communication Data Set

**SCDS**

Source Configuration Data Set

***dsname***

The data set name of the CDS.

**System action**

Validation processing terminates an SMS request.

**Operator response**

Contact the system programmer.

**System programmer response**

Make sure your control data set is not an extended format linear data set before requesting any SMS access to that data set.

**Source**

DFSMSdfp

**Routing code**

2, 10

**Descriptor code**

4, 12

---

**IGD096I**

***cds\_type dsname IS EMPTY - ACTIVE cds\_type IS STILL IN EFFECT***

**Explanation**

An SMS source control data set (SCDS) or SMS active control data set (ACDS) failed during activation because the data set is empty. The current active data set will stay in effect.

An empty SCDS or ACDS is only valid during SMS startup.

In the message text:

***cds\_type***

The configuration data set type:

**ACDS**

Active Configuration Data Set

**COMMDS**

Communication Data Set

**SCDS**

Source Configuration Data Set

***dsname***

The data set name of the CDS.

**System action**

Validation processing terminates an SMS request.

## Operator response

Contact the system programmer.

## System programmer response

Make sure your control data set is not empty before attempting to activate the configuration.

## Source

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4, 12

---

**IGD097I** **NO COMMUNICATIONS DATA SET WAS ACTIVATED BECAUSE** *reason*

## Explanation

During the interval processing of the SMS intersystem communications task, SMS detected that no communications data set (COMMDS) was activated.

In the message text:

### ***reason***

*reason* displays the reason that no communications data set was activated. *reason* is one of the following:

#### **THE COMMUNICATIONS DATA SET CHAIN IS CYCLIC**

SMS detected that the last communications data set (COMMDS) is pointing back to the first COMMDS in the current COMMDS chain resulting in a loop.

## System action

The system treats the active COMMDS status as uninitialized. If you enter SMS console command, D SMS, the output will show NO COMMUNICATIONS DATA SET.

## Operator response

Contact the system programmer.

## System programmer response

Allocate and activate a new COMMDS.

## Source

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4, 12

---

IGD098I

*cds\_type dsname* PREVIOUSLY DEFINED WITH  
SHAREOPTIONS(*region\_opt,system\_opt*) HAS BEEN AUTOMATICALLY  
CORRECTED TO SHAREOPTIONS(*region\_opt,system\_opt*)

## Explanation

This informational message indicates that during CDS activation the system has automatically altered the specified CDS to have SHAREOPTIONS(3,3) or higher. The SMS CDS should be defined with SHAREOPTIONS(3,3) or higher to allow multiple accesses from different systems.

In the message text:

### ***cds\_type***

The configuration data set types:

#### **ACDS**

Active Configuration Data Set

#### **COMMDs**

Communications Data Set

### ***dsname***

The data set name.

### ***region\_opt***

Cross Region Option. See SHAREOPTIONS in [z/OS DFSMS Access Method Services Commands](#) for more information.

### ***system\_opt***

Sharing Cross System Option. See SHAREOPTIONS in [z/OS DFSMS Access Method Services Commands](#) for more information.

## System action

Processing continues.

## Source

DFSMSDfp

## Routing code

2

## Descriptor code

4

---

IGD099I

CATALOG ERROR WHILE ALTERING *cds\_type*  
*dsname* FROM SHAREOPTIONS(*region\_opt,system\_opt*) TO  
SHAREOPTIONS(*region\_opt,system\_opt*). RETURN CODE IS *rc* REASON  
CODE IS *rsn* IGG0CLxx

## Explanation

During a CDS activation, the system detected that the specified CDS was NOT defined with SHAREOPTIONS(3,3) or higher. The system attempts to correct the share options to SHAREOPTIONS(3,3) or higher but fails. The accompanying return and reason codes explain the problem.

In the message text:

### ***cds\_type***

The configuration data set types:



**ACDS**

Active Configuration Data Set

**COMMDS**

Communications Data Set

**dsname**

The data set name.

**region\_opt**

Sharing Cross Region Option. See SHAREOPTIONS in [z/OS DFSMS Access Method Services Commands](#) for more information.

**system\_opt**

Cross System Option. See SHAREOPTIONS in [z/OS DFSMS Access Method Services Commands](#) for more information.

**rc**

The return code from Catalog. See the explanation for the return code in the message IDC3009I in [z/OS MVS System Messages, Vol 6 \(GOS-IEA\)](#).

**rsn**

The reason code from Catalog.

**xx**

The Catalog module ID.

**System action**

Processing continues.

**System programmer response**

Follow the instructions for the reason code in message IDC3009I.

**Source**

DFSMSdfp

**Routing code**

2, 10

**Descriptor code**

4, 12

---

|                |  |
|----------------|--|
| <b>IGD100I</b> | <b>dev</b> ALLOCATED TO DDNAME <i>ddname</i> { <i>text</i> } <i>text</i> DATACLAS <i>dcname</i><br>STORCLAS <i>scname</i> MGMTCLAS <i>mcname</i> DATACLAS <i>dcname</i> { <i>blank</i> } |
|----------------|--|

---

**Explanation**

The system either:

- created a new non-SMS-managed data set on a non-SMS-managed DASD or on a non-library-managed tape drive using data class specified on the DDNAME
- created a new data set on a library-managed tape drive using the storage class specified, the management class specified, and the data class specified on the DDNAME
- allocated a data set on a library-managed tape drive
- allocated an old data set on a library-managed tape drive

In the message text:

**dev**

The device number of the specified device.

**ddname**

The specified DDNAME.

**scname**

The specified storage class.

**mcname**

The specified management class.

**dcname**

The specified data class.

**blank**

Blank characters.

**System action**

The system continues processing.

**Source**

Storage management subsystem (SMS)

**Module**

IGDVTSCR

**Routing code**

2

**Descriptor code**

4

---

**IGD100I****dev ALLOCATED TO DDNAME ddname DATACLAS dcname****Explanation**

The system created a new non-SMS data set on a device for a DDNAME using the data class specified.

In the message text:

**dev**

The device number of the specified device.

**ddname**

The specified DDNAME.

**dcname**

The specified data class.

**System action**

The system continues processing.

**Source**

Storage management subsystem (SMS)

**Module**

IGDVTSCR

**Routing code**

2

**Descriptor code**

4

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|                |  |
|----------------|--|
| <b>IGD100I</b> | <i>dev</i> ALLOCATED TO DDNAME <i>ddname</i> |
|----------------|--|

---

**Explanation**

The system allocated a data set on a managed mountable library device for a DDNAME *ddname*.

In the message text:

***dev***

The device number of the specified device.

***ddname***

The specified DDNAME.

**System action**

The system continues processing.

**Source**

Storage management subsystem (SMS)

**Module**

IGDVTSCR

**Routing code**

2

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD101I</b> | <b>SMS ALLOCATED TO DDNAME <i>ddname</i> DSN <i>dsname</i> STORCLAS <i>sname</i><br/>MGMTCLAS <i>mcname</i> DATACLAS <i>dname</i> text</b> |
|----------------|--|

---

**Explanation**

*text* is one of the following:

- VOLSER NOS= *valid*{*,valid*...}
- VOLSER NOS FOR DATA COMPONENT= *valid*{*,valid*...} VOLSER NOS FOR INDEX COMPONENT= *valid*{*,valid*...}

A new SMS managed data set was created for a DDNAME using the storage class specified, management class specified, data class specified, and the volume serial numbers specified.

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

***ddname***

The specified DDNAME.

***dsname***

The specified data set name.

***scname***

The specified storage class.

***mcname***

The specified management class.

***dcname***

The specified data class.

***valid***

The specified volume serial number or numbers.

This message displays multiple volume serial numbers in response to a valid, guaranteed space request or when you are using an extended striped data set. All the volumes are allocated at the time of the request.

This message displays only one volume serial number, the first one, in response to a non-guaranteed space request. Other volumes may be allocated at a later time.

**System action**

The system continues processing.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

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|                |  |
|----------------|--|
| <b>IGD103I</b> | <b>SMS ALLOCATED TO DDNAME <i>ddname</i></b><br><b>or</b><br><b>SMS HFS FILE ALLOCATED TO DDNAME <i>ddname</i></b> |
|----------------|--|

**Explanation**

An existing, SMS managed data set or z/OS UNIX file was allocated to the DDNAME.

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

***ddname***

The specified DDNAME.

**System action**

The system continues processing.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

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|                |   |
|----------------|---|
| <b>IGD104I</b> | <i>dsname</i> <b>RETAINED, DDNAME=</b> <i>ddname</i><br>or<br><b>HFS FILE WAS RETAINED, DDNAME IS (<i>ddname</i>) FILENAME IS (<i>filename</i>)</b> |
|----------------|---|

**Explanation**

The SMS-managed data set, z/OS UNIX file or VSAM data set associated with the DDNAME was kept at the end of the step. The system ignores any specification of CATLG or UNCATLG because SMS-managed data sets and VSAM data sets are always cataloged at creation.

When the program being run is an IDCAMS delete, this message will indicate that the DD associated with the data set has been retained. This message should be ignored. The user must check to see if the data set has actually been deleted.

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

- dsname***  
The data set name.
- ddname***  
The specified DDNAME.
- filename***  
The file name.

**System action**

The system continues processing.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                |   |
|----------------|---|
| <b>IGD105I</b> | <i>dsname</i> <b>DELETED, DDNAME=</b> <i>ddname</i><br>or<br><b>HFS FILE WAS DELETED, DDNAME IS (<i>ddname</i>) FILENAME IS (<i>filename</i>)</b> |
|----------------|---|

## Explanation

The SMS-managed data set, z/OS UNIX file or the VSAM-managed data set associated with the DDNAME was deleted at the end of the step.

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

***dsname***

The data set name.

***ddname***

The specified DDNAME.

***filename***

The file name.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD106I** *dsname* PASSED, DDNAME=*ddname*

## Explanation

The SMS managed data set associated with the DDNAME was passed at the end of the step.

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

***dsname***

The data set name.

***ddname***

The specified DDNAME.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD107I** *dsname* ROLLED IN, DDNAME=*ddname*

## Explanation

At the time of the step ending, the SMS managed generation data set associated with the DDNAME became a permanent part of the generation data group (GDG).

If the data set associated with DDNAME is a concatenated data set, this message is issued multiple times. The first time, *ddname* is the DDNAME of the concatenation. The second time and subsequent times this message is issued for this concatenation, *ddname* is blanks.

In the message text:

***dsname***  
The data set name.

***ddname***  
The specified DDNAME.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD108I** *dsname* CATALOGED, DDNAME=*ddnamexx* VOLUME SERIAL NUMBERS =  
*ser[,ser...]*

## Explanation

The system cataloged the data set associated with the DDNAME at the end of the step. This DDNAME resides on one or more SMS-managed mountable volumes.

In the message text:

***dsname***  
The data set name

***ddnamexx***  
The specified DDNAME

***ser***  
The volume serial number.

## System action

The system continues processing.

## Source

Storage Management Subsystem (SMS)

## Module

IGDDSP00

## Routing code

2

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD109I</b> | <b>SMS PARAMETER <i>keyword</i> HAS BEEN RESET TO DEFAULT BECAUSE <i>rsntext</i> FOR THIS TRANSACTIONAL VSAM PARAMETER IN MEMBER <i>mem</i></b> |
|----------------|---|

## Explanation

One of the parameters in SYS1.PARMLIB member IGDSMSxx is dependent on one or more other parameters in IGDSMSxx. If the other parameters are not correctly specified, the parameter cannot be specified and will be reset to the default value. See *z/OS MVS Initialization and Tuning Reference* for the default value of the keyword in the message. The value of *rsntext* in the message text will pinpoint why the value of the parameter has been reset.

Note: Without TVSNAMES specified, the TVS parameters may not be displayed in the DISPLAY SMS,OPTIONS command output.

In the message text:

### ***keyword***

The parameter specified in SYS1.PARMLIB(IGDSMSxx).

Example: TVSAMCOM

### ***rsntext***

Can be one of the following reasons:

- TVSNAMES WAS NOT PROVIDED

### ***mem***

In the format IGDSMSxx where xx is the last 2 characters of the active SMS PARMLIB member.

## System action

The system continues processing.

## Operator response

Contact system programmer to verify if the warning message was issued as expected.

## System programmer response

Correct the SYS1.PARMLIB(IGDSMSxx) member by either removing the reported parameter or specifying other required parameters for the reported parameter.



## Storage Management Subsystem (SMS)

Chapter 20. IGD messages **1389**

***gprnn***

The content of general purpose register *nn* at time of the error, as saved in the SDWA.

**System action**

The request fails.

**Operator response**

Tell the system programmer about this message.

**Programmer response**

Examine this message to determine why the abend occurred.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

**IGD301I**

**DATA SET ALLOCATION REQUEST FAILED - DATA SET *dsname* IS NOT  
ELIGIBLE FOR ALLOCATION ON SMS-MANAGED VOLUME *volser***

**Explanation**

You specified an SMS-managed volume, but the system was unable to derive a storage class for your data set. A storage class must be specified to allocate a data set on an SMS-managed volume.

Possible causes for this include:

- The data set is a type that cannot be SMS-managed.
- The storage class ACS routine over-rode the storage class that you specified.
- A logic error in the storage class ACS routine prevented it from assigning a storage class to your data set.

In the message text:

***volser***

The volume serial number.

***dsname***

The data set name.

**System action**

The allocation fails.

**Programmer response**

If the data set does not need to be SMS-managed, specify a non-SMS managed volume and resubmit the allocation request.

If the data set is to be SMS-managed, either modify the data set type so that the data set can be managed by by SMS, or determine an appropriate storage class and resubmit the allocation request. If the storage class

selection routine should have selected a storage class for this data set allocation, it may need to be corrected. Contact your storage administrator for assistance.

If the data set is not eligible to be SMS-managed, specify a non-SMS managed volume, do not code STORCLAS and resubmit the allocation request. Not all data sets can be SMS-managed. The following data sets do NOT qualify:

- Unmovable data sets
- Data sets with absolute track allocations
- Tape data sets, except tape data sets on mountable volumes contained in an automated tape library (ATL) dataserver.

The operating system no longer supports the following types of request for any volume:

- ISAM (indexed sequential) data sets. See [z/OS DFSMS Using Data Sets](#) for conversion information.
- CVOLs. Use an ICF catalog instead. See [z/OS DFSMS Managing Catalogs](#).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD302I**

**DATA SET ALLOCATION REQUEST FAILED - INCOMPATIBLE STORAGE  
CLASS *scname* AND VOLUME *volser* FOR DATA SET *dsname***

## Explanation

The storage class is defined such that explicitly specified volumes are to be honored. The requirement to honor explicit volumes cannot be met for one of the following reasons:

- not all of the volumes are SMS managed;
- not all of the volumes are defined to the same storage group; or
- the storage group containing the volumes was not selected for this data set allocation.

In the message text:

### ***scname***

The storage class.

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

The allocation fails.

## Programmer response

If specific volumes are not required, remove the explicit volume specification and resubmit the allocation request.

If the explicitly specified volumes are required, make sure that all of the volumes are SMS managed and are defined to the same storage group. Also, make sure the volumes have the properties that this storage group requires; or modify the storage group routine to select this storage group. Then resubmit the allocation request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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|                |   |
|----------------|---|
| <b>IGD303I</b> | <b>MANAGEMENT CLASS IGNORED FOR A NON-SMS MANAGED DATA SET</b><br><i>dsname</i> |
|----------------|---|

## Explanation

A storage class was not derived or specified for the data set. Therefore, the data set is not SMS managed. The system ignores the specified management class.

In the message text:

***dsname***

The data set name.

## System action

The system ignores the management class. Allocation continues.

## Programmer response

If the data set is supposed to be SMS managed, specify a storage class or determine why a storage class was not derived for the data set.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD304I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - ACS STORAGE GROUP ROUTINE DID NOT ALLOW USE OF THE STORAGE GROUP OF THE REFERENCED DATA SET <i>dsn1</i> BY THE REFERENCING DATA SET <i>dsn2</i></b> |
|----------------|---|

## Explanation

The allocation of data set *dsn2* referenced data set *dsn1* (using VOL=REF). Referencing data set *dsn2* is not permitted to be allocated in the storage group of referenced data set *dsn1*. When VOL=REF specifies a data set on an SMS-managed tape volume, the two data sets must have at least one volume in common; therefore, they must also reside in the same storage group.

In the message text:

***dsn1***

The referenced data set.

***dsn2***

The referencing data set.

## System action

The allocation fails.

## User response

Do one of the following:

- Remove the VOL=REF specification.
- Contact the storage administrator.

**Storage Administrator Response:** If the VOL=REF specification is used correctly, modify the storage group ACS routine so that it assigns the storage group of the referenced data set to the referencing data set.

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

4

---

**IGD305I**

**DATA SET ALLOCATION REQUEST FAILED- THE ACS ROUTINES  
ASSIGNED A STORAGE CLASS TO DATA SET *dsn1* WHICH REFERENCES  
NON-SMS DATA SET *dsn2***

## Explanation

An allocation for a new data set specified a VOL=REF that referenced the specified non-SMS data set. The ACS routines attempted to make the referencing data set SMS-managed; the system does not support the attempt.

In the message text:

***dsn1***

The referencing data set.

***dsn2***

The referenced data set.

## System action

Allocation of the data set fails.

## User response

Do one of the following:

- Modify the VOL=REF specification to reference an SMS-managed data set.
- Remove the VOL=REF specification.
- Contact the storage administrator.

**Storage Administrator Response:** If the non-SMS allocation should be allowed, modify the storage class ACS routine so that it does not assign a storage class to a referencing data set.

**Source**

Storage management subsystem (SMS)

**Module**

IGDIDMCD, IGDVRFPR

**Routing code**

2,Note 28

**Descriptor code**

4

|         |   |
|---------|---|
| IGD306I | UNEXPECTED ERROR DURING <i>errmodnm</i> PROCESSING RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i> THE MODULE THAT DETECTED THE ERROR IS <i>callernm</i> SMS MODULE TRACE BACK - <i>mtb</i> [... <i>mtb</i> ] SYMPTOM RECORD CREATED, PROBLEM ID IS <i>probid</i> |
|---------|---|

**Explanation**

An unexpected error occurred during storage management subsystem processing. This message could also appear for the allocation of existing SMS-managed data sets, if one or more of the volumes to be allocated is pending offline.

In the message text:

***errmodnm***

The module that was in control when this unexpected error occurred.

***rc***

The return code returned from the error module.

***rsnc***

The reason code returned from the error module.

***callernm***

The module that detected this error.

***mtb***

The sequence of calling modules, starting from the module that detected the problem. The sequence can contain up to 18 modules names.

***probid***

The problem ID for the symptom record that was recorded in the logrec data set.

**System action**

The system ends the request, and writes an error record with problem ID *probid* to the logrec data set.

**System programmer response**

Use the message text and the entry with problem ID *probid* in the logrec data set for information about the error that occurred. Depending on the ERRMODNM value, the return and reason code can be found in one of the following locations:

- If ERRMODNM begins with or contains any of the following characters, see [z/OS DFSMSdfp Diagnosis](#) for the return and reason codes:

- IGD, indicating storage management subsystem (SMS)
- CBR, indicating optical access method (OAM) or library control system (LCS)
- AOM, indicating the asynchronous operations manager (AOM)
- DEVINFO, indicating device information services
- IGGDA, indicating DADSM
- CVAFFILT, indicating CVAF
- If ERRMODNM is DEQ, DEQUEUE, DIV or ?DIV, see [z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN](#) for the return and reason codes.
- If ERRMODNM is ENQ, ENQUEUE, or GETMAIN, see [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for the return and reason codes.
- If ERRMODNM is UCBLOOK, ?UCBLOOK, SETLOCKO, or SETLOCKR, see [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#) for the return and reason codes.
- If ERRMODNM is IOSCAPU, see [z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU](#) for the return and reason codes.
- If ERRMODNM is WTO and the return code is 12, a nonzero return code was set by WTO. The WTO return code is displayed as rsnc. See [z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO](#) for an explanation of the WTO return code.
- If ERRMODNM begins with IGG0, see [z/OS MVS System Messages, Vol 6 \(GOS-IEA\)](#) under message IDC3009 for the return and reason codes.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

**IGD307I**

**DATA SET ALLOCATION REQUEST FAILED - ERROR IN INSTALLATION  
EXIT *exitname*, {ABEND|RETURN} CODE *rc***

## Explanation

The installation exit either:

- Ended abnormally with an abend code.
- Returned an unknown return code.

Message IGD051I accompanies this message, and indicates that the installation exit has been deactivated.

In the message text:

### ***exitname***

The installation exit.

### ***rc***

Either the completion code or the return code.

## System action

The system continues processing.

## System programmer response

Use the logrec data set and SYS1.DUMPnn to determine why the installation failed.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD308I**

**DATA SET ALLOCATION REQUEST FAILED -*text***

---

## Explanation

*text* is one of the following:

- DATA SET OWNER *userid* IS NOT AUTHORIZED TO CREATE DATA SET *dsname* WITH {STORAGE CLASS *scname*|MANAGEMENT CLASS *mcname*}
- RACF FUNCTION *func* DATA SET *dsname* WITH RETURN CODE *rc* REASON CODE *rsnc*

One of the following errors occurred:

- The storage class or management class was derived for a data set, but the owner is not authorized to use the specified storage or management class.
- The specified resource access control facility (RACF) function failed with the indicated return and reason codes.

In the message text:

### ***scname***

The storage class.

### ***mcname***

The management class.

### ***dsname***

The data set name.

### ***userid***

The user identification.

### ***func***

The specified RACF function.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The allocation fails.

## Programmer response

Either obtain authorization to use the storage class or the management class or use a different storage or management class that you are already authorized to use. For RACF errors, ensure that you are authorized to



create the data set. The RACF function, return code, and reason code are described in [z/OS Security Server RACROUTE Macro Reference](#).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD309I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - CREATION OF SMS-MANAGED DATA SET <i>dsname</i> IS NOT ALLOWED WITHIN THE SCOPE OF A JOBCAT/STPCAT. STORAGE CLASS <i>scname</i> WAS {EXPLICITLY SPECIFIED INSTALLATION DERIVED}</b> |
|----------------|--|

## Explanation

The creation of SMS managed data sets is not allowed within the scope of a JOBCAT or STEPCAT.

In the message text:

### ***dsname***

The data set name.

### ***scname***

The storage class.

## System action

The allocation fails.

## Programmer response

If the storage class was explicitly specified, remove the JOBCAT, STEPCAT, or storage class specification to ensure that the data set is not SMS managed. Then resubmit the allocation request.

If the JOBCAT or STEPCAT is required and the storage class was installation derived, use a data set specification that will not create an SMS managed data set when resubmitting the allocation request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD310I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - {STORAGE CLASS <i>scname</i> MANAGEMENT CLASS <i>mcname</i>} SPECIFIED FOR DATA SET <i>dsn</i>WHICH IS NOT ELIGIBLE TO BE SMS-MANAGED</b> |
|----------------|---|

# Explanation

The storage class or management class was explicitly specified for a data set, which is a data set type that is not eligible to be SMS managed (for example: unmovable, ISAM, absolute track allocation).

In the message text:

**scname**  
The storage class.

**mcname**  
The management class.

**dsname**  
The data set name.

# System action

The allocation fails.

# Programmer response

If the data set does not have to be SMS managed, resubmit the allocation request without using the STORCLAS and MGMTCLAS parameters. If the data set should be SMS managed, modify that data set so that it becomes eligible to be SMS managed.

# Source

DFSMSdfp

# Routing code

2

# Descriptor code

4

|         |  |
|---------|--|
| IGD311I | UNEXPECTED ERROR DURING <i>errmodnm</i> PROCESSING. RETURN CODE <i>rc1</i> REASON CODE <i>rsnc1</i> . THE MODULE THAT DETECTED THE ERROR IS <i>callernm</i> . SMS MODULE TRACE BACK - <i>mtb</i> [... <i>mtb</i> ]. ERROR DETECTED DURING SYMPTOM RECORD CREATION. RETURN CODE <i>rc2</i> REASON CODE <i>rsnc2</i> . PROBLEM ID IS <i>probid</i> . |
|---------|--|

# Explanation

An unexpected error occurred during storage management subsystem processing, and another error occurred during symptom record creation.

In the message text:

**errmodnm**  
The module that was in control when this unexpected error occurred.

**rc1**  
The return code returned from the error module.

**rsnc1**  
The reason code returned from the error module.

**callernm**  
The module that detected this error.

***mtb***

The sequence of calling modules, starting from the module that detected the problem. The sequence can contain up to 18 module names.

***rc2***

The return code for symptom record creation error.

***rsnc2***

The reason code for symptom record creation error.

***probid***

The problem ID for the symptom record that was built but not recorded in the logrec data set.

The error information for symptom record creation and the symptom record itself were recorded in the SMS trace table.

**System action**

The system ends the request, and writes a record to the SMS trace table.

**Programmer response**

Use the information in the SMS trace table and the return and reason codes to determine why these errors occurred.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

**IGD312I****AN ABEND OCCURRED DURING SMS PROCESSING****Explanation**

NO SDWA AVAILABLE

An abend occurred during storage management subsystem processing, and no SDWA was available when the SMS recovery routine received control. No SMS error recovery took place.

**System action**

The request fails.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

**IGD313I****DATA SET ALLOCATION REQUEST FAILED - 'PIPE' VALUE OF THE  
'DSNTYPE' KEY WORD MAY NOT BE SPECIFIED FOR NON-SMS-  
MANAGED DATA SET *dsname*****Explanation**

A storage class was not derived or specified for the data set. Therefore, the data set is not SMS-managed. The PIPE value cannot be specified for the DSNTYPE key word for a non-SMS-managed data set.

In the message text:

***dsname***

The data set name.

**System action**

The job or allocation fails.

**Programmer response**

If the data set is not to be SMS-managed, remove the DSNTYPE key word specification. If the data set is to be SMS-managed, determine an appropriate storage class. The storage class selection routine may be in error if it should have selected a storage class for this data set.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD314I****DATA SET ALLOCATION REQUEST FAILED - 'DATACLAS' *dcname* FOR  
DATA SET *dsname* CONTAINS 'DSNTYPE' ATTRIBUTE THAT IS NOT  
SUPPORTED****Explanation**

The data class that was derived or specified for the data set contains a DSNTYPE attribute that is not supported with the current level of the operating system.

In the message text:

***dcname***

The data class.

***dsname***

The data set name.

**System action**

The allocation fails.

**Programmer response**

If the data class was explicitly specified, it should be removed from the request. The data class selection routine may be in error if it should have selected a different data class for this data set.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

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|                |   |
|----------------|---|
| <b>IGD315I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - LABEL=(,,,IN) SPECIFIED FOR NEW SMS MANAGED MOUNTABLE</b> |
|----------------|---|

---

**Explanation**

A read request was attempted from a new SMS-managed mountable tape volume. Read requests are not allowed from new SMS-managed mountable tape volumes.

**System action**

The allocation fails.

**Operator response**

Update JCL and resubmit the job.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDIDMCD

---

|                |  |
|----------------|--|
| <b>IGD316I</b> | <b>DATA SET ALLOCATION FAILED - DATA SET - '<i>dsn</i>' NAMED IN QUOTES, IS NOT ELIGIBLE TO BE SMS-MANAGED</b> |
|----------------|--|

---

**Explanation**

Data set allocation failed. The named data set, *dsn*, is not eligible to be SMS-managed.

**System action**

The allocation fails.

**Operator response**

Update JCL and resubmit the job.

**Source**

DFSMSdfp

---

|                |  |
|----------------|--|
| <b>IGD317I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - 'PIPE' VALUE OF THE 'DSNTYPE' KEYWORD MAY BE SPECIFIED ONLY WHEN the 'PATH' KEYWORD IS SPECIFIED</b> |
|----------------|--|

---

## Explanation

A DSNTYPE of PIPE implies that the user wants to process a z/OS UNIX file. z/OS UNIX files must be SMS-managed.

## System action

The allocation fails.

## Operator response

Update JCL and resubmit the job.

## Source

Storage Management Subsystem (SMS)

## Module

IGDIDMRM

## Routing code

2

## Descriptor code

4

---

|                |   |
|----------------|---|
| <b>IGD318I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - NO POOL OR VIO STORAGE GROUPS SELECTED FOR DATA SET <i>dsn1</i> WHICH REFERENCES DATA SET <i>dsn2</i></b> |
|----------------|---|

## Explanation

An allocation for a new data set specified a VOL=REF that referenced the specified SMS-managed data set. Because VOL=REF was specified, the two data sets must reside in compatible types of storage groups. The storage group ACS routine did not assign a storage group of the specified type to the referencing data set.

In the message text:

### ***dsn1***

The referencing data set.

### ***dsn2***

The referenced data set.

## System action

Allocation of the data set fails.

## User response

Do one of the following:

- Remove the VOL=REF specification.
- Contact the storage administrator.

**Storage Administrator Response:** If the VOL=REF specification is used correctly, modify the storage group ACS routine so that it assigns storage groups of the appropriate type or types to the referencing data set.

**Source**

Storage management subsystem (SMS)

**Module**

IGDIDMCD, IGDVRFSG

**Routing code**

2,Note 28

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD320I</b> | <b>UNABLE TO PROCESS OPENMVS REQUEST BECAUSE OPENMVS IS NOT<br/>INSTALLED. RETURN CODE IS <i>return-code</i></b> |
|----------------|--|

**Explanation**

z/OS UNIX is not installed. It is possible that the OMVS address space may not have been started.

**System action**

The allocation fails.

**Operator response**

If an attempt to process a z/OS UNIX file was made in error, correct the input and resubmit the job. If not, contact the system programmer to determine the status of z/OS UNIX.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDVTPSX, IGDCATHD, IGDDSP01

**Routing code**

2

**Descriptor code**

4

---

|                |   |
|----------------|---|
| <b>IGD330I</b> | <b>ERROR OCCURRED DURING CBRXLCS PROCESSING - FOR DATA SET<br/><i>dsn namereason-text</i></b> |
|----------------|---|

**Explanation**

Self-explanatory message text extracted from the LCS return and reason codes.

**Note:** The allocation may be successful when *reason-text* is the following: USE ATTRIBUTE NOT CHANGED BECAUSE VOLUME WAS ALREADY PRIVATE.

## System action

Allocation may have failed. Check the *reason-text* for an exception as listed in the message explanation. Logrec recording issued.

## System programmer response

If the problem recurs and if the program is not in error, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center. For further explanation using the LCS return and reason codes from the corresponding logrec record, see [z/OS DFSMSdfp Diagnosis](#).

---

**IGD400I** **TOTAL SPACE ALERT ON STORAGE GROUP (*sgname*) CURRENT USAGE (*xx*%), ALERT THRESHOLD (*yy*%)**

## Explanation

The total space usage of a storage group has reached its alert threshold.

In the message text:

***sgname***

Storage group name.

***xx***

Current usage percentage in decimal.

***yy***

Alert threshold percentage in decimal.

## System action

The system continues processing.

## System programmer response

Perform space management tasks for the alerted storage group to avoid an out-of-space condition. Refer to the description of the Total Space Alert Threshold attribute in the topic about [Defining a pool storage group in z/OS DFSMSdfp Storage Administration](#).

## Source

Storage Management Subsystem(SMS)

## Routing code

1

## Descriptor code

2

---

**IGD401I** **TRACK-MANAGED SPACE ALERT ON STORAGE GROUP (*sgname*) CURRENT USAGE (*xx*%), ALERT THRESHOLD (*yy*%)**

## Explanation

The total track-managed space usage of a storage group has reached its alert threshold.

In the message text:

***sgname***

Storage group name.



**xx**

Current usage percentage in decimal.

**yy**

Alert threshold percentage in decimal.

## System action

The system continues processing.

## System programmer response

Perform space management tasks for the alerted storage group to avoid an out-of-space condition. Refer to the description of the Track-Managed Space Alert Threshold attribute in the topic about [Defining a pool storage group](#) in *z/OS DFSMSdfp Storage Administration*.

## Source

Storage Management Subsystem(SMS)

## Routing code

1

## Descriptor code

2

---

|                |   |
|----------------|---|
| <b>IGD402I</b> | <b>SMS CONFIGURATION ACTIVATED FROM ACDS <i>dsname</i> BY LOWER LEVEL SYSTEM.</b> |
|----------------|---|

## Explanation

An SMS configuration that was activated by a lower level system is now activated on this current system.

In the message text:

***dsname***

Data set name of the ACDS.

## System action

The system continues processing with the new configuration.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD402I</b> | <b>SMS CONFIGURATION ACTIVATED FROM ACDS <i>dsname</i> or BY SYSTEM <i>sysname</i> .</b> |
|----------------|--|

## Explanation

An SMS configuration that was activated on system *sysname*, by the operator or system programmer, is now activated on this current system. If an activation occurs during IPL, the current system's *sysname* will be displayed. If an activation occurred on a different system within the sysplex, then that system's *sysname* will be displayed.

In the message text:

### ***dsname***

Data set name of the ACDS.

### ***sysname***

Name of the system that initially activated the configuration.

## System action

The system continues processing with the new configuration.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD403I**

**CURRENT SYSTEM CONFIGURATION ACTIVATION LEVEL:**  
***activation\_level* ACTIVATION TIME(UTC): time ACTIVATION DATE: *date***  
**ACTIVATION SOURCE: *source***

## Explanation

IGD403I identifies the activation level of the configuration and the activation timestamp of the current configuration on the system.

In the message text:

### ***activation\_level***

Activation level to identify the number of times the current ACDS has been changed. A configuration is updated when activated from an SCDS/ACDS using an application or command, but not when activated at IPL.

### ***time***

Time when the configuration is active on the system. The time is also updated to reflect when the configuration was active at IPL. UTC time zone. Timestamp format will be in HH:MM:SS th, where:

HH – Hours

MM – Minutes

SS – Seconds

t – Tenth of a second

h – Hundredth of a second

### ***date***

Date of activation for that configuration. The date is also updated to reflect when the configuration was active at IPL. Date format will be in YYYY/MM/DD format where:

YYYY - Year

MM – Month

DD – Date

#### **source**

Source of activation request, where:

APPL - Application. (For example, ISMF (Interactive Storage Management Facility)

COMMDS - Communications Data Set. When an activation occurred on a system, the COMMDS notified all other systems within the SMSplex of an update to the active configuration.

PARMLIB - SYS1.PARMLIB member IGDSMSxx. An activation from a parmlib member occurred by a T SMS (or SET SMS) command if SMS is already running.

SETSMS - MVS SETSMS Command. An activation occurred by a SETSMS command.

INIT - SMS Initialization process. An activation occurred during the initialization of the SMS process. This can occur during IPL or from the T SMS (or SET SMS) command if SMS is not already running.

#### **Note:**

When an SMS configuration is activated during SMS initialization (IPL or with T SMS command), the SOURCE is set to INIT and the TIME and DATE are updated. Activation\_level does not increment. The activation\_level only increments when the configuration has changed (see activation\_level description) using an application or command.

Once a new SMS configuration is activated on a system in a sysplex, SMS will generate a new ACTIVATION TIME. The other systems in the sysplex will be notified to refresh the configuration. Only the system where the activation was done will update the ACTIVATION TIME with the new generated timestamp. All other systems will update the ACTIVATION TIME with the timestamp that was recalculated/generated by the system that did the activation.

### **System action**

The system continues processing with the new configuration.

#### **Source**

DFSMSdfp

#### **Routing code**

2

#### **Descriptor code**

4

---

**IGD403I**

**CURRENT SYSTEM CONFIGURATION ACTIVATION LEVEL:**

***activation\_level* ACTIVATION SOURCE: *source***

### **Explanation**

IGD403I identifies the activation level of the configuration. If activation timestamp was not included in the message, then that indicates that the timestamp is empty and the activation may have occurred on a lower level system where the activation timestamp is not supported.

In the message text:

#### ***activation\_level***

Activation level to identify the number of times the current ACDS has been changed. A configuration is updated when activated from an SCDS/ACDS using an application or command, but not when activated at IPL.

**source**

Source of activation request, where:

APPL - Application. (For example, ISMF (Interactive Storage Management Facility)

COMMDS - Communications Data Set. When an activation occurred on a system, the COMMDS notified all other systems within the SMSplex of an update to the active configuration.

PARMLIB - SYS1.PARMLIB member IGDSMSxx. An activation from a parmlib member occurred by a T SMS (or SET SMS) command.

SETSMS - MVS SETSMS Command. An activation occurred by a SETSMS command.

INIT - SMS Initialization process. An activation occurred during the initialization of the SMS process.

**System action**

The system continues processing with the new configuration.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD411I****Validate Volume vvvvvv ssssss****Explanation**

A V SMS,VOL(),VALIDATE command was issued to verify the VTOC.

where:

**vvvvv**

The volser.

**sssss**

The status of the volume.

VTOC Good

Volume Offline

VTOC errors detected

Messages IEC602I and IEC605I will identify any problems that are found.

**System action**

None.

**Operator response**

Notify the system programmer if VTOC errors exist.

**System programmer response**

Repair Volume if VTOC errors are detected.

**Problem determination**

None.

**Source**

DFSMSdfp

**Routing code**

2, 10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD412I</b> | <b>VALIDATE SG <i>sssss</i> VOLUMES:<i>vv</i> Online:<i>oo</i> VTOC Bad: <i>bb</i> VVDS<br/>Invalid:<i>ii</i> CCUU <i>Volser</i> VTOC VVDS</b> |
|----------------|--|

**Explanation**

A V SMS,SG(),VALIDATE command was issued to verify VTOCs for the volumes in the storage group.  
where:

***ssss***

The storage group.

***vv***

The total number of volumes.

***oo***

The number of volumes that are online

***bb***

The number of bad VTOCs.

***CCUU***

The device number.

***Volser***

The device volume serial number.

In some cases, VTOC Bad : 0 and/or VVDS Bad : 0 will be displayed for the SG(),VALIDATE option or VALIDATE(SUMMARY) option after all the VTOCs have been verified.

Messages IEC602I and IEC605I will identify any problems that are found.

**System action**

None.

**System programmer response**

Repair Volume if VTOC errors were detected.

**Problem determination**

None.

**Source**

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4

---

**IGD413I**

**VALIDATE SG ssssss VOLUMES:vv Online:oo VTOC Bad: bb VVDS  
Invalid:ii**

## Explanation

A V SMS,SG(),VALIDATE(SUMMARY) was issued to report the summary of the last V SMS,SG(),VALIDATE command that was issued to verify the VTOCs for the volumes in the storage group.

In the message:

### **ssss**

The storage group.

### **vv**

The total number of volumes.

### **oo**

The number of volumes that are online.

### **bb**

The number of bad VTOCs.

### **ii**

The number of volumes with incorrect VVDS indicators.

Messages IEC602I, IEC605I, and IEC618 will identify any problems that are found.

## System action

None.

## Operator response

Notify the system programmer if VTOC errors exist.

## System programmer response

Repair Volume if VTOC errors were detected.

## Problem determination

None.

## Source

DFSMSdfp

## Routing code

2, 10

## Descriptor code

4

---

**IGD414I****SMS DETECTED *count* DUPLICATE VOLUME(S) WITHIN THE SMS CONFIGURATION. FIRST DUPLICATE VOLUME IS *volser* ATTEMPTING TO REPAIR ACDS**

### Explanation

During an SMS configuration activation, SMS detected duplicate volume(s) exist within the ACDS. SMS will attempt to repair the ACDS and remove any duplicate volume entries. See IGD415I for a successful ACDS repair.

In the message:

***count***

The number of duplicate volumes detected.

***volser***

The volume serial of the first duplicate volume detected.

### System action

The system continues processing.

### Operator response

None.

### System programmer response

Review the SCDS and remove any duplicate volumes via ISMF or NaviQuest.

### Problem determination

None.

### Source

Storage Management Subsystem (SMS)

### Routing code

4

### Descriptor code

2

---

**IGD415I****ACDS *acdsname* SUCCESSFULLY REPAIRED**

### Explanation

An anomaly was detected within the ACDS and has been repaired. See previous SMS messages to determine the error.

In the message:

***acdsname***

The name of ACDS that has been repaired.

### System action

The system continues processing.

## Operator response

None.

## System programmer response

ACDS has been repaired, however, the SCDS may also contain an anomaly. Review SCDS for any anomalies.

## Problem determination

None.

## Source

Storage Management Subsystem (SMS)

## Routing code

4

## Descriptor code

2

---

IGD416I

UNEXPECTED RETURN CODE FROM CSV DYNE:

EXIT = *exit\_name*

REQUEST = *dynex\_request*

RC = *retCode*

RSN = *rsnCode*

## Explanation

Unexpected return and reason codes were received when invoking the MVS Dynamic exit macro (CSVYNEX). The exit name, request, return code and reason code are displayed for problem determination.

## System action

SMS processing continues.

## Operator response

Notify the system programmer.

## System programmer response

Determine the cause of the problem. The return and reason codes from the MVS CSV DYNEX macro are documented in [\*z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN\*](#).

## Problem determination

None.

## Source

Storage Management Subsystem (SMS)

## Routing code

2, 10



## Descriptor code

4

**IGD418I**

**VTOC SPACE *capacity* ON VOLUME *volser* CURRENT VOLUME STATUS IS *status***

## Explanation

The used space on an SMS volume's VTOC has exceeded 90% capacity of the total space to trigger a warning message. When the usage rate of the VTOC capacity is between 90%-99%, the volume status is set to QUIESCE-NEW. This will cause the volume to have lower priority when SMS volume selection algorithm chooses a volume for new dataset allocations. When the usage rate of the VTOC's capacity reaches 100%, the volume status is set to DISABLE-NEW if the defined status is not currently DISABLE. This will cause the volume to not be eligible during SMS volume selection for new dataset allocations.

The dynamic volume status and warning message is controlled by the IGDSMSxx parmlib keyword AUTO\_VOLSTATUS\_VTOC. For more information found in the [z/OS MVS Initialization and Tuning Reference](#).

In the message text:

### ***volser***

Volume serial number

### ***capacity***

Describes the capacity of the VTOC space. Possible values are:

- REACHING CAPACITY
- AT CAPACITY

### ***status***

The new SMS volume status to be set based on the VTOC's capacity usage rate. Possible values are:

- QUINEW when the volume VTOC exceeds 90% capacity.
- DISABLE when the volume VTOC reaches 100% capacity.

## System action

The system automatically sets the SMS volume to the status described above.

## Operator response

None.

## System programmer response

Address the space constraint on the volume's VTOC.

## Problem determination

None.

## Source

DFSMSdfp

## Routing code

2, 4

## Descriptor code

4, 12

---

**IGD419I**

**VTOC INDEX SPACE *capacity* ON VOLUME *volser***

---

## Explanation

The used space on an SMS volume's VTOC Index has exceeded 90% capacity of the total space.

The warning message is controlled by the IGDSMSxx parmlib keyword AUTO\_VOLSTATUS\_VTOC. For more information found in the [z/OS MVS Initialization and Tuning Reference](#).

In the message text:

### ***volser***

Volume Serial

### ***capacity***

Describes the capacity of the VTOC INDEX space. Possible values are:

- REACHING CAPACITY when the volume VTOC INDEX exceeds 90% capacity.
- AT CAPACITY when the volume VTOC INDEX reaches 100% capacity.

## System action

None.

## Operator response

None.

## System programmer response

Address the space constraint on the volume's VTOC.

## Problem determination

None.

## Source

DFSMSdfp

## Routing code

2, 4

## Descriptor code

4, 12

---

**IGD420I**

**COMPRESSION EXTENT POOL *epid* {HAS REACHED WARNING  
THRESHOLD|SPACE CONSTRAINT IS RELIEVED}.  
UP TO *num\_vols* SMS VOLUME STATUS(ES) {ALTERED TO QUINEW|  
RESTORED TO STATUS DEFINED IN ACDS}.**

---

## Explanation

A space constraint warning threshold has been reached or relieved for a compression extent pool. In a warning state, any online one or more SMS volumes associated with the referenced extent pool ID has its status altered

from ENABLE to QUINEX to relieve new data set allocations. In a relief state, the one or more altered SMS volumes associated with the referenced extent pool ID has its status restored.

In the message text:

***epid***

The affected extent pool ID.

***num\_vols***

The number of online SMS volumes associated with the extent pool that may have the SMS status altered.

## System action

The system dynamically sets the SMS volume to the status described above.

## Operator response

None.

## System programmer response

Address the space constraint on the compression extent pool, if any. For more information about the affect devices, see IEA499E in *z/OS MVS System Messages, Vol 6 (GOS-IEA)*. For disablement of this action, see the AUTO\_VOLSTATUS\_EXTPOOL optional keyword for IGDSMSxx in *z/OS MVS Initialization and Tuning Reference*.

**Note:** A re-IPL will restore the SMS volumes to its original defined (ENABLE) state even with its device in a space constrained warning state. Issuing the MVS command to refresh the space statistics of a volume (or volumes from a given storage group) places said one or more volumes back into the warning state if the compression device is space constrained.

```
V SMS,{ {STORGRP|SG}(storgrp)}, {SPACE|S}
      { {VOLUME|VOL}(volser)}
```

## Problem determination

None.

## Source

DFSMSdfp

## Routing code

2, 4

## Descriptor code

4, 12

---

**IGD500I**

**IGDFVV00 GETMAIN ERROR. RETURN CODE IS rc**

## Explanation

Module IGDFVV00 received an error invoking the RC option of the GETMAIN macro.

In the message text:

***rc***

The four-byte return code in hexadecimal. The first byte identifies where in the module the error was detected. The second and third bytes contain the GETMAIN return code. The fourth byte contains the IGDFVV00 reason code.

## System action

The system ends the request and writes a record to the logrec data set.

## System programmer response

Determine the meaning of the GETMAIN return code.

## Source

DFSMSdfp

## Routing code

10,11

## Descriptor code

6

---

**IGD501I****IGDFVV00 CVAF ERROR. RETURN CODE IS *rc***

## Explanation

Module IGDFVV00 received an error invoking the CVAFFILT RESUME function.

In the message text:

***rc***

The four-byte return code in hexadecimal. The first byte identifies where in the module the error was detected. The second and third bytes contain the CVSTAT code. The fourth byte contains the IGDFVV00 reason code.

## System action

The system ends the request and writes a record to the logrec data set.

## System programmer response

Determine the meaning of the CVAF return code.

## Source

DFSMSdfp

## Routing code

10,11

## Descriptor code

6

---

**IGD502I****IGDFVV00 FREEMAIN ERROR. RETURN CODE IS *rc***

## Explanation

Module IGDFVV00 received an error invoking the RC option of the FREEMAIN macro.

In the message text:

*rc*

The four-byte return code in hexadecimal. The first byte identifies where in the module the error was detected. The second and third bytes contain the FREEMAIN return code. The fourth byte contains the IGDFVV00 reason code.

**System action**

The system ends the request and writes a record to logrec data set.

**System programmer response**

Determine the meaning of the FREEMAIN return code.

**Source**

DFSMSdfp

**Routing code**

10,11

**Descriptor code**

6

---

|                |  |
|----------------|--|
| <b>IGD601I</b> | <b>SAVE FAILED FOR DATA SET <i>dsname</i>. DIV RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i></b> |
|----------------|--|

**Explanation**

An error was detected while trying to write control a data set to permanent storage. Data-in-virtual returned a hexadecimal return code and a hexadecimal reason code that indicate an exception condition.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

**System action**

The system continues processing.

**Programmer response**

Determine the meaning of the data-in-virtual return and reason codes.

**Source**

DFSMSdfp

**Routing code**

2,10

## Descriptor code

4

---

**IGD602I**

**DIV MAP/UNMAP FAILED FOR DATA SET *dsname*. DIV RETURN CODE *rc*  
REASON CODE *rsnc***

## Explanation

An error was detected while attempting to map or unmap a portion of the accessed data set. The Data-in-virtual map or unmap request type returned a hexadecimal return code and a hexadecimal reason code that indicate an exception condition.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The system continues processing.

## Programmer response

Determine the meaning of the data-in-virtual return and reason codes.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD603I**

**UNACCESS FAILED FOR DATA SET *dsname*. DIV RETURN CODE *rc*  
REASON CODE *rsnc***

## Explanation

An error occurred while trying to unaccess a control data set. The Data-in-virtual unaccess request type returned a hexadecimal return code and a hexadecimal reason code that indicate an exception condition.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

**System action**

The system continues processing.

**Programmer response**

Determine the meaning of the data-in-virtual return and reason codes.

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD604I</b> | <b>ACCESS FAILED FOR DATA SET <i>dsname</i>. DIV RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i></b> |
|----------------|--|

**Explanation**

An error occurred while trying to access a control data set. The Data-in-virtual access request type returned a hexadecimal return code and a hexadecimal reason code that indicate an exception condition.

In the message text:

***dsname***  
The data set name.

***rc***  
The return code.

***rsnc***  
The reason code.

**System action**

The system continues processing.

**Programmer response**

Determine the meaning of the data-in-virtual return and reason codes.

For more information about the data-in-virtual return and reason codes, see [DIV — Data-in-virtual](#) in *z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN*.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD605I</b> | <b>IDENTIFY FAILED FOR DATA SET <i>dsname</i>. DIV RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i></b> |
|----------------|--|

**Explanation**

An error occurred while trying to perform a Data-in-virtual identify for a control data set. The Data-in-virtual identify request type returned a hexadecimal return code and a hexadecimal reason code that indicate an exception condition.

In the message text:

***dsname***  
The data set name.

***rc***  
The return code.

***rsnc***  
The reason code.

**System action**

The system continues processing.

**Programmer response**

Determine the meaning of the data-in-virtual return and reason codes.

**Source**

DFSMSdfp

**Routing code**

2,10

**Descriptor code**

4

---

|                |  |
|----------------|--|
| <b>IGD606I</b> | <b>UNIDENTIFY FAILED FOR DATA SET <i>dsname</i>. DIV RETURN CODE <i>rc</i><br/>REASON CODE <i>rsnc</i></b> |
|----------------|--|

**Explanation**

An error occurred while trying to perform an unidentify for a control data set. The data-in-virtual unidentify request type returned a hexadecimal return code and a hexadecimal reason code that which indicate an exception condition.

In the message text:

***dsname***  
The data set name.

***rc***  
The return code.

***rsnc***  
The reason code.

**System action**

The system continues processing.



## Programmer response

Determine the meaning of the data-in-virtual return and reason codes.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

|                |  |
|----------------|--|
| <b>IGD701I</b> | <b>AOMSERV ERROR. REQUEST TYPE <i>reqtype</i> AND text RETURN CODE <i>rc</i><br/>REASON CODE <i>rsnc</i></b> |
|----------------|--|

## Explanation

An error occurred on an invocation of AOMSERV.

In the message text:

### ***reqtype***

The request type, as follows:

- OBTAIN SSSCB
- DEVICE CACHING
- DASD FAST WRITE
- SUBSYSTEM CACHING
- CACHE FAST WRITE
- NONVOLATILE STORAGE
- READ STATISTICS
- UPDATE SSSCB

### ***text***

The text of the message, as follows:

- FOR SSID *id*
- FOR SSID *id*, AND FOR DEVICE NUMBER *dev*

### ***id***

The subsystem identifier.

### ***dev***

The device number.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

Refer to the system action for message IGD703D or IGD704D, one of which usually accompanies this message.

## Operator response

Refer to [z/OS DFSMSdfp Diagnosis](#) for an explanation of and appropriate response for the AOMSERV codes.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

4

---

**IGD703D****SMS READ STATISTICS ERROR. *text***

## Explanation

*text* is one of the following:

- REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, OR 'T' TO TERMINATE
- REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, 'T' TO TERMINATE, OR 'F' TO FORCE

An error was detected by the read statistics task. If the error was due to an abend, a dump has been taken. Otherwise, the error occurred due to one of the following AOMSERV request types:

- OBTAIN SSSCB
- READ STATISTICS
- UPDATE SSSCB

## System action

The system waits for the operator to reply.

## Operator response

Contact the system programmer to determine the appropriate response.

## Programmer response

Examine any preceding messages to determine the reason for the error. Then, have the operator do one of the following:

- Enter 'U' to retry that particular AOMSERV request.
- Enter 'C' to cancel that particular AOMSERV request.
- Enter 'S' to suspend the read statistics task. The task will wait for the operator to enter the SETSMS DINTERVAL command.
- Enter 'T' to end the read statistics task. This causes the task to go into an infinite wait. The task will not be restarted until the SMS address space restarts.
- Enter 'F' to force the specified SSID off. The read statistics task will no longer attempt to obtain statistics for this subsystem.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

2

---

**IGD704D****SMS CACHE MAINTENANCE ERROR. *text***

---

## Explanation

*text* is one of the following:

- REPLY 'U' TO RETRY, 'C' TO CANCEL, OR 'T' TO TERMINATE
- REPLY 'U' TO RETRY, 'C' TO CANCEL, 'T' TO TERMINATE, OR 'F' TO FORCE

An error was detected by the cache maintenance task. If the error was due to an abend, a dump has been taken. Otherwise, the error occurred due to one of the following AOMSERV request types:

- OBTAIN SSSCB
- SUBSYSTEM CACHING
- CACHE FAST WRITE
- NONVOLATILE STORAGE
- DEVICE CACHING
- DASD FAST WRITE

## System action

The system waits for the operator to reply.

## Operator response

Contact the system programmer to determine the appropriate response.

## Programmer response

Examine any preceding messages to determine the reason for the error. Then, have the operator do one of the following:

- Enter 'U' to retry that particular AOMSERV request.
- Enter 'C' to cancel that particular AOMSERV request.
- Enter 'T' to end the cache maintenance task. This causes the task to go into an infinite wait. The task will not be restarted until the SMS address space restarts.
- Enter 'F' to force the specified SSID off. The cache maintenance task will discontinue attempts to turn on subsystem and device options until an ACTIVATE or VARY is performed. At this point, the system will generate message IGD705D. This message prompts the operator to determine whether this subsystem should be eligible for future processing by the cache maintenance and read statistics tasks.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

2

---

IGD705D

SSID *id* HAS BEEN FORCED OFF. REPLY 'Y' TO INITIALIZE, OR 'N' TO NOT INITIALIZE

## Explanation

The cache maintenance task has determined that this subsystem, specified by the subsystem identifier, has been turned off. The operator is prompted to determine whether this subsystem should be eligible for future processing by the cache maintenance and read statistics tasks.

In the message text:

***id***

The subsystem identifier.

## System action

The system waits for the operator to reply.

## Operator response

Contact the system programmer to determine the appropriate response.

## Programmer response

Have the operator do one of the following:

- Enter 'Y' to make the subsystem eligible for future processing by the cache maintenance and read statistics tasks.
- Enter 'N' to keep the subsystem ineligible for future processing by the cache maintenance and read statistics tasks.

If the subsystem is still having hardware problems, respond appropriately.

## Source

DFSMSdfp

## Routing code

2,10

## Descriptor code

2

---

IGD706D

SMS RECORD STATISTICS ERROR, *text*

## Explanation

*text* is one of the following:

- REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, OR 'T' TO TERMINATE
- REPLY 'U' TO RETRY, 'C' TO CANCEL, 'S' TO SUSPEND, 'T' TO TERMINATE, OR 'F' TO FORCE

An error was detected by the record statistics task. If the error was due to an abend, a dump has been taken. Otherwise, the error occurred due to one of the following AOMSERV request types:

- OBTAIN SSSCB

- UPDATE SSSCB
- READ STATISTICS

### System action

The system waits for the operator to reply.

### Operator response

Contact the system programmer to determine the appropriate response.

### Programmer response

Examine any preceding messages to determine the reason for the error. Then have the operator do one of the following:

- Enter 'U' to retry the particular AOMSERV request.
- Enter 'C' to cancel the particular AOMSERV request.
- Enter 'S' to suspend the record SMF statistics task. The task will wait for the operator to enter the SETSMS CACHETIME command. The message will be repeated every xx minutes depending on what INTVAL(xx) value was set in the SMFPRMxx member.
- Enter 'T' to end the record SMF statistics task. This causes the task to go into an infinite wait state. The task will not be restarted until the SMS address space is restarted.
- Enter 'F' to force the specified SSID off. The record SMF statistics task will no longer attempt to obtain statistics for this subsystem.

### Source

DFSMSdfp

|                |   |
|----------------|---|
| <b>IGD800I</b> | <b>An error has been detected in the {ACOH   BCD   DCD   ERMAP   ERPTT   ERRCA   ERTRE   ICMRT   ICMDS   MCD   OPSRT   OPSCR   SCD   SGD   SSIAT   SSIIM   SSISP   SSISS   SSIVT   VLD   AGD   DRD   LBD   DST}</b> |
|----------------|---|

### Explanation

The SMSDATA IPCS verbexit detected an error in the formatting model for the specified control block.

### System action

The system does not format the control block.

### Source

Storage Management Subsystem (SMS)

### Module

IGDERRI2

### Routing code

2

## Descriptor code

4

---

|         |  |
|---------|--|
| IGD848I | SMSDATA could not obtain the {ACOH   BCD   DCD   ERMAP   ERPTT  <br>ERRCA   ERTRE   ICMRT   ICMD   MCD   OPSRT   OPSCR   SCD   SGD  <br>SSIAT   SSIIM   SSISP   SSISS   SSIVT   VLD   AGD   DRD   LBD   DST}<br>data for <i>addr</i> |
|---------|--|

## Explanation

The SMSDATA IPCS verbexit was unable to access the storage for the specified control block.

## System action

The system does not format the control block.

## Source

Storage Management Subsystem (SMS)

## Module

IGDERRI2

## Routing code

2

## Descriptor code

4

---

|         |  |
|---------|--|
| IGD900I | THE ADDRESS OF THE AGD FOR THIS CONFIGURATION IS 00000000. |
|---------|--|

## Explanation

SMSDATA could not format the aggregate data group (AGD) information because the AGD address is zero.

## System action

SMSDATA formatting continues.

## Programmer response

None.

## Source

DFSMSdfp

---

|         |  |
|---------|--|
| IGD901I | THE ADDRESS OF THE DRD FOR THIS CONFIGURATION IS 00000000. |
|---------|--|

## Explanation

SMSDATA could not format the optical drive (DRD) information because the DRD address is zero.

## System action

SMSDATA formatting continues.

**Programmer response**

None.

**Source**

DFSMSdfp

---

**IGD902I** THE ADDRESS OF THE LBD FOR THIS CONFIGURATION IS 00000000.

**Explanation**

SMSDATA could not format the library drive (LBD) information because the LBD address is zero.

**System action**

SMSDATA formatting continues.

**Programmer response**

None.

**Source**

DFSMSdfp

---

**IGD903I** The address for the DST for this configuration is 00000000

**Explanation**

The SMSDATA IPCS verbexit detected an address of zero for the destination definitions while it was formatting the SMS configuration.

**System action**

The system formats the available data.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDERRIP

**Routing code**

2

**Descriptor code**

4

---

**IGD999I** Unable to find message *mmmmmmmm* in module *nnnnnnnn*  
Unable to find message module for *mmmmmmmm*  
Insufficient substitution values for *mmmmmmmm* Variant *vvv*  
Variant not found for message *mmmmmmmm* Variant *vvv*

## Explanation

A message could not be formatted by SMS message services. This is an internal DFSMS error.

In the message text:

**mmmmmmmm**

is the message.

**nnnnnnnn**

is the name of the module where the message should have been defined.

**vvv**

is the variant of the message being formatted.

## System action

Processing continues without correct message issued.

## Operator response

Notify your System Programmer.

## Source

DFSMSdfp

---

|                  |  |
|------------------|--|
| <b>IGD01001I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - ACS {DATACLAS STORCLAS MGMTCLAS} {ROUTINE INSTALLATION EXIT} RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i></b> |
|------------------|--|

---

## Explanation

Either an ACS routine or ACS installation exit failed the data set allocation with the return code specified and the reason code specified. If an ACS routine failed the allocation request, the reason code is the value that was in the 'EXIT CODE' statement of that ACS routine. If an ACS installation exit failed the allocation request, then the reason code is the contents of GPR 0, which were returned by that installation exit.

In the message text:

***rc***

The return code.

***rsnc***

The reason code.

## System action

The request fails.

## Programmer response

Using the return and reason codes, determine whether the ACS routine or installation exit should have failed the request. If the request should not have failed, you might have to correct an error in the routine or exit. See [z/OS DFSMSdfp Diagnosis](#) for the return and reason code.

## Source

DFSMSdfp

## Routing code

11



## Descriptor code

4

---

**IGD01004I**

*text*

## Explanation

The data class installation exit issued the message.

## System action

The system continues processing.

## Programmer response

If the text is in error, correct the message text in the data class installation exit.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01005I**

*text*

## Explanation

The storage class installation exit issued the message.

## System action

The system continues processing.

## Programmer response

If the text is in error, correct the message text in the storage class installation exit.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01006I**

*text*

## Explanation

The management class installation exit issued the message.

## System action

The system continues processing.

## Programmer response

If the text is in error, correct the message text in the management class installation exit.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01007I**

*text*

## Explanation

The data class ACS routine issued the message.

## System action

The system continues processing.

## Programmer response

If the text is in error, correct the message text in the data class ACS routine.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01008I**

*text*

## Explanation

The storage class ACS routine issued the message.

## System action

The system continues processing.

### Programmer response

If the text is in error, correct the message text in the storage class ACS routine.

### Source

DFSMSdfp

### Routing code

11

### Descriptor code

4

---

|                  |             |
|------------------|-------------|
| <b>IGD01009I</b> | <i>text</i> |
|------------------|-------------|

### Explanation

The management class ACS routine issued the message.

### System action

The system continues processing.

### Programmer response

If the text is in error, correct the message text in the management class ACS routine.

### Source

DFSMSdfp

### Routing code

11

### Descriptor code

4

---

|                  |             |
|------------------|-------------|
| <b>IGD01010I</b> | <i>text</i> |
|------------------|-------------|

### Explanation

The storage group ACS routine issued the message. All assigned storage group constructs (15 maximum) will be printed when a call to &STORGRP is issued within the WRITE statement.

### System action

The system continues processing.

### Programmer response

If the text is in error, correct the message text in the storage group ACS routine.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD01011I</b> | <b>DATA SET ALLOCATION REQUEST FAILED - ACS {DATACLAS STORCLAS MGMTCLAS} {ROUTINE INSTALLATION EXIT} RETURNED {<i>dcname</i> <i>scname</i> <i>mcname</i>} WHICH DOES NOT EXIST</b> |
|------------------|--|

## Explanation

An ACS routine or ACS installation exit returned the name of a data class, a storage class, or a management class that does not exist in the active storage management subsystem configuration.

In the message text:

### ***dcname***

The data class.

### ***scname***

The storage class.

### ***mcname***

The management class.

## System action

The request fails.

## Programmer response

Modify the ACS routine or installation exit to return an SMS data class, storage class, or management class that exists. For an ACS routine, verify the use of and values for RACF defaults.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD01012I</b> | <b>DATA SET (dsn) ALLOCATION REQUEST FAILED - THE ACS STORAGE GROUP ROUTINE ASSIGNED A NON-TEMPORARY OR VSAM DATA SET TO A STORAGE GROUP (sgname) WHICH IS NOT OF TYPE POOL</b><br><b>DATA SET (dsn) ALLOCATION REQUEST FAILED - THE ACS STORAGE GROUP ROUTINE ASSIGNED A TEMPORARY DATA SET TO A STORAGE GROUP (sgname) WHICH IS NOT OF TYPE POOL OR VIO</b> |
|------------------|---|

### Explanation

The storage group ACS routine assigned a non-temporary or VSAM data set to a VIO storage group, or a temporary data set to a storage group which is not a POOL or VIO.

In the message text:

*dsn*  
the data set name  
*sgname*  
the storage group name

### System action

The request fails.

### Programmer response

Modify the storage group ACS routine to include at least one POOL type storage group in the list of storage groups for non-temporary and VSAM data sets, or one POOL or VIO type storage group in the list of storage groups for temporary data sets.

### Source

DFSMSdfp

### Routing code

11

### Descriptor code

4

---

|           |   |
|-----------|---|
| IGD01013I | DATA SET ALLOCATION REQUEST FAILED -<br>FOR <i>dsn</i><br>THE ACS STORAGE GROUP ROUTINE DID NOT ASSIGN A STORAGE<br>GROUP |
|-----------|---|

### Explanation

The storage group ACS routine did not assign a storage group, but the routine is required to do so.

In the message text:

*dsn*  
The data set name.

### System action

The request fails.

### Programmer response

Modify the storage group ACS routine to assign from one to 15 storage groups for all cases.

### Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01014I**

**DATA SET ALLOCATION REQUEST FAILED - SPECIFIED {DATACLAS  
*dcname*|STORCLAS *scname*|MGMTCLAS *mcname*} DOES NOT EXIST**

## Explanation

An allocation request explicitly specified a data class, a storage class, or a management class that does not exist in the active storage management subsystem configuration.

In the message text:

### ***dcname***

The data class.

### ***scname***

The storage class.

### ***mcname***

The management class.

## System action

The request fails.

## Programmer response

Use ISMF to display the valid data classes, storage classes or management classes; then resubmit the request with a valid class.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01015I**

**DATA SET (*dsn*) ALLOCATION REQUEST FAILED -  
THE ACS STORAGE GROUP ROUTINE ASSIGNED A DSNTYPE=*type*  
DATA SET TO A STORAGE GROUP (*sgname*) WHICH IS NOT OF TYPE  
POOL**

## Explanation

The storage group ACS routine assigned a PDSE, HFS or LARGE data set to the following types of storage groups: OBJECT, OBJECT BACKUP, VIO, or TAPE. These types of assignment are not allowed.

In the message text:

### ***type***

The type of the data set can be one of the following: LIBRARY, HFS or LARGE.

*dsn*

the data set name

*sgname*

the storage group name

**System action**

The request is failed.

**System programmer response**

Modify your storage group ACS routine to insure that the list of storage groups for PDSE, HFS or LARGE data sets contain at least one POOL type storage group.

**Programmer response**

Contact your storage administrator.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDACS01

**Routing code**

11

**Descriptor code**

4

---

|           |  |
|-----------|--|
| IGD01016I | OSMI OR OSMC REQUEST FAILED - THE ACS STORAGE GROUP<br>ROUTINE ASSIGNED AN OBJECT TO A STORAGE GROUP WHICH IS NOT<br>OF TYPE OBJECT OR OBJECT BACKUP |
|-----------|--|

**Explanation**

The storage group ACS routine derived a storage group or a list of storage groups containing only non-OBJECT or non-OBJECT BACKUP type storage groups for an object. The system does not permit this type of assignment.

**System action**

The system fails the request.

**Programmer response**

Modify the storage group ACS routine to ensure that the list of storage groups contains storage groups of type OBJECT or OBJECT BACKUP only.

**Source**

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

**IGD01017I**

**TAPE AND POOL TYPE OF STORAGE GROUPS DERIVED, ONLY POOL  
TYPE IS ASSIGNED**

## Explanation

A mixture of TAPE and POOL type of storage groups derived from an installation's automatic class selection (ACS) routine. The POOL type of storage group is selected, dataset is allocated to Storage Management Subsystem (SMS) managed DASD volumes.

## System action

The system continues processing.

## System programmer response

Make sure that the ACS routine is correct. This is not an error condition.

## Source

Storage Management Subsystem (SMS)

## Module

IGDACS01

## Routing code

11

## Descriptor code

4

---

**IGD01018I**

**DATA SET *dsname text***

## Explanation

The specified data set does not have a standard data set name, and DFSMS expects to be able to catalog the name if the data set is to be managed.

In the message text:

### ***dsname***

The specified data set name.

### ***text***

Text will be one of the following:

#### **HAS A NONSTANDARD DATASET NAME AND IS NOT ELIGIBLE TO BE SMS-MANAGED.**

This text appears when 2 adjacent periods found between data set name qualifiers or the length of a qualifier exceeds the maximum allowed.



**HAS AN INVALID DATASET NAME.**

This text appears when an unresolved first qualifier, such as a quotation mark, is found. For additional information about syntax, see [Data Set Names](#) in *z/OS DFSMS Using Data Sets*.

**System action**

The system continues processing.

**Programmer response**

Verify that the data set name is the expected data set name.

**Source**

DFSMSdfp

---

**IGD01019I****SPACE SPECIFIED EXCEEDS MAXIMUM ALLOWABLE VALUE BY  
ALLOCATION****Explanation**

SMS detected one of the following conditions:

- ACS read/only variable &SIZE exceeded the maximum allowable value of 2147483647 in kilobytes that can be stored in a fixed 31-bit field.
- ACS Services detected the space is greater than or equal to X'80000000' MB.

**System action**

The system fails the allocation.

**User response**

Specify a smaller primary space quantity.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDACS00

---

**IGD01020I****NSL/LTM LABEL TAPES ARE NOT ALLOWED IN TAPE LIBRARY****Explanation**

Only NSL or LTM can't be specified as value to the LABEL key word when tape type of storage group is selected.

**System action**

The system fails the job.

**Programmer response**

Change JCL and rerun the job.

## Source

Storage Management Subsystem (SMS)

## Module

IGDACS01

## Routing code

11

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD01021I</b> | <b>DUPLICATE STORAGE GROUP - nnnnnnnnn ASSIGNED BY STORAGE GROUP ACS ROUTINE</b> |
|------------------|--|

---

## Explanation

Duplicate storage group names assigned by Storage Group ACS Routine. Process continues with the duplicate name removed from the final storage group name list.

In the message text:

**nnnnnnnnn**

duplicate storage group name

## System action

Job processing continues.

## Programmer response

Correct or remove the duplicate name in the storage group ACS routine.

## Source

Storage Management Subsystem (SMS)

## Module

IGDACS01

---

|                  |   |
|------------------|---|
| <b>IGD01022I</b> | <b>EITHER A NON-LIBRARY VOLUME IS SPECIFIED OR THE VOLUME SPECIFIED IS NOT IN LIBRARY</b> |
|------------------|---|

---

## Explanation

A specific volser specified in JCL, which is a non-library volume but a tape storage group is assigned OR the specified volume is a library volume but is not in the library at the time the job was run.

## System action

Job failed with JCL error.

## Programmer response

Correct the JCL or return the volume into the library and resubmit the job.

---

**IGD03101I**

**ERROR IN ACS TRANSLATOR, REASON CODE *rsnc* IN MODULE NAME  
*modname* AND EVENT NAME *event***

**Explanation**

The ACS Translator detected an internal error, and abnormally ended.

In the message text:

***rsnc***

The reason code.

***modname***

The module in which the error occurred.

***event***

The event in which the error occurred.

**System action**

The system ends translation of the ACS routine.

**Programmer response**

Refer to *z/OS DFSMSdfp Diagnosis* for an explanation of reason code *rsnc*, and contact your programming support personnel.

**Source**

DFSMSdfp

**Routing code**

11

**Descriptor code**

4

---

**IGD03102I**

**ERROR IN ACS TRANSLATOR, REASON CODE *rsnc* IN MODULE NAME  
*modname* AND IN CSECT NAME *csectname***

**Explanation**

The ACS Translator detected an error, and abnormally ended.

In the message text:

***rsnc***

The reason code from SDWAABCC.

***modname***

The module in which the error occurred.

***csectname***

The csect in which the error occurred.

**System action**

The system ends the translation of the ACS routine.

## Programmer response

Refer to [z/OS MVS System Codes](#) for an explanation of reason code *rsnc*, and contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

11

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD03111I</b> | <b>INVALID REFERENCE TO READ/ONLY VARIABLE <i>keywd</i> IN STORGRP ACS ROUTINE</b> |
|------------------|--|

---

## Explanation

The storage group ACS routine is not allowed to refer to the specified keyword. See [z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries](#) for the valid read/only variables that can be used in a storage group ACS. routine.

## System action

The system notes the error in the output listing and continues checking the syntax of the ACS routine. The system will not, however, produce the object table, so the translation will fail.

## Programmer response

Either remove the reference to the specified keyword or verify the use of *keywd* and correct the ACS routine source statement.

## Source

DFSMSdfp

---

|                  |   |
|------------------|---|
| <b>IGD03112I</b> | <b>A RIGHT PARENTHESIS WAS EXPECTED BUT NOT FOUND</b> |
|------------------|---|

---

## Explanation

A right parenthesis is missing from the statement. The number of right parentheses specified does not match the number of left parentheses specified.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the ACS routine source statement so that the number of left parentheses is the same as the number of right parentheses.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |   |
|------------------|---|
| <b>IGD03113I</b> | <b>LITERAL LONGER THAN 255 CHARACTERS - END QUOTATION MARK<br/>MAY BE MISSING</b> |
|------------------|---|

---

**Explanation**

The maximum number of characters allowed in a literal is 255. A quotation mark may not be balanced with a closing quotation mark.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Correct the ACS routine source statement so that the literal is less than 255 characters long, or the quotation mark has a matching end quotation mark.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD03114I</b> | <b>A LEFT PARENTHESIS WAS EXPECTED BUT NOT FOUND</b> |
|------------------|--|

---

**Explanation**

A left parenthesis is missing from the statement. The number of left parentheses specified does not match the number of right parentheses specified.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Correct the ACS routine source statement so that the number of left parentheses is the same as the number of right parentheses.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03115I | LITERAL CONTINUATION CHARACTER OR SINGLE QUOTE EXPECTED<br>BUT NOT FOUND |
|-----------|--|

---

## Explanation

A line in the ACS routine is missing either a closing quotation mark for a literal, or a continuation character.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Either add the closing single quotation mark to finish the literal, or add a continuation character to continue the literal on the next line.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03116I | UNEXPECTED STATEMENT TYPE <i>keywd</i> ENCOUNTERED - SUBSEQUENT<br>STATEMENTS MAY BE IGNORED |
|-----------|--|

---

## Explanation

The keyword is not a valid statement type. A keyword may be misspelled or a delimiter may be missing.

In the message text:

### ***keywd***

The specified keyword.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the ACS routine source statement so the keyword is correctly spelled or a delimiter is present.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD03117I</b> | <b>INTEGER OR INTEGER TYPE <i>nnn</i> IS GREATER THAN THE MAXIMUM<br/>2147483647 THAT IS ALLOWED</b> |
|------------------|--|

---

## Explanation

The maximum allowable integer value is 2147483647.

In the message text:

***nnn***

The integer value.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the ACS routine source statement so that the integer value is within the required range.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD03118I</b> | <b>MISSING CONTINUATION CHARACTER OR END OF LITERAL - BLANK<br/>LINE FOUND INSTEAD</b> |
|------------------|--|

---

## Explanation

In the ACS routine, a blank source statement was found after a statement that ended with a continuation character. The blank statement should contain another continuation character or a literal end.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Either

- finish the literal by adding a closing quotation mark to the source statement that precedes the blank statement; or
- continue the literal by placing a continuation character on the blank source statement.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03119I

END OF PROCEDURE BEFORE END OF LITERAL

## Explanation

A closing quotation mark for a literal is missing and was not found by the end of the ACS routine.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add a closing quotation mark to delimit the literal before the end of the ACS routine.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03120I

END OF PROCEDURE BEFORE END OF COMMENT

## Explanation

A closing asterisk slash (\*) for a comment is missing and was not found by the end of the ACS routine.



## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add an asterisk slash to delimit the comment before the end of the ACS routine.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03121I | MEGABYTE VALUE <i>nnn</i> IS GREATER THAN THE MAXIMUM 2097151<br>THAT IS ALLOWED |
|-----------|--|

## Explanation

The maximum allowable integer value for megabytes is 2097151.

In the message text:

***nnn***

The megabyte value.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the ACS routine source statement so that the integer value is within the required range.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03130I | MISSING COMMA OR RIGHT PARENTHESIS IN FILTLIST DEFINITION<br>STATEMENT |
|-----------|--|

## Explanation

A FILTLIST statement either contains filter literals that are not separated by commas, or does not end with a right parenthesis.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the FILTLIST definition statement in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03132I** **INVALID FILTLIST NAME**

## Explanation

The name attached to the FILTLIST is not valid in an ACS routine. The valid characters in a FILTLIST name are the alphanumeric characters (A-Z, 0-9, \$, @, #) and the underscore character '\_'.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Rename the FILTLIST so that it follows the correct naming conventions.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03133I** **FILTLIST NAME *name* LONGER THAN 32 CHARACTERS**

## Explanation

The maximum number of characters allowed in a FILTLIST name is 32. The name specified is longer than 32 characters.

In the message text:

***name***

The specified name.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Change the FILTLIST name to 32 characters or less.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03134I**

**NUMBER OF FILTER LITERALS GREATER THAN 255**

## Explanation

In an ACS routine, the maximum number of filter literals, simple masks, and data set masks allowed in a FILTLIST INCLUDE or EXCLUDE is 255.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Rewrite the FILTLIST statement so there are 255 or fewer filter literals for each INCLUDE and EXCLUDE.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

**Explanation**

In an ACS routine, only the equal (= or EQ) and not equal (≠ or NE) relational operators are allowed in a relational expression involving either a FILTLIST name or a mask, for example TSO\*.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Rewrite the relational expression using only the valid relational operators.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

**Explanation**

A FILTLIST name may be defined only once in an ACS routine.

In the message text:

***name***

The specified FILTLIST name.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Rename the FILTLIST so there are no duplicate FILTLIST names.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

**Explanation**

The FILTLIST statement does not specify an INCLUDE or an EXCLUDE list. At least one must be specified in the ACS routine.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Add the appropriate INCLUDE or EXCLUDE lists to the ACS routine source.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

**Explanation**

In an ACS routine, the INCLUDE or EXCLUDE list either contains incorrect filter literals or contains no filter literals at all. Literals must be enclosed in quotes; numeric masks (for example 33\*) are not allowed. Refer to the [\*z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries\*](#) for valid filter literals.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Correct the specification for the filter literal inside the INCLUDE or EXCLUDE list.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

## Explanation

In an ACS routine, the read/only variable cannot be indexed; therefore, no subscripting is allowed.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Delete the subscript for the read/only variable used in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03140I

SUBSCRIPT *nnn* EXCEEDS ALLOWABLE RANGE OF *mmm*

## Explanation

In an ACS routine, the subscript used with the read/only variable is greater than the allowed maximum. For example, data set name (25) would cause this error because data set name can use only subscript values up to and including 22.

In the message text:

***nnn***

The specified subscript.

***mmm***

The allowable range.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the subscript for the read/only variable. Refer to [z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries](#) for maximum subscript values.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03141I**

**INVALID SUBSCRIPT**

---

## Explanation

In an ACS routine, the subscript used with the read/only variable is not either a positive number, or one of the special read/only variables that may be used as a subscript.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the subscript for the read/only variable.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03142I**

**INVALID USE OF SPECIAL CHARACTERS IN MASK *value***

---

## Explanation

In an ACS routine, the mask value uses more than one asterisk in a row; more than one in a row is an incorrect use of that special character.

In the message text:

***value***

The specified mask value.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the mask in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03143I**

**INVALID USE OF SPECIAL CHARACTERS IN DATA SET MASK *value***

---

## Explanation

In an ACS routine, the mask value uses special characters incorrectly, in one of the following ways:

- The mask contains three or more asterisks in a row.
- A qualifier in the mask uses two asterisks in a row.
- The mask ends in a period.

In the message text:

***value***

The specified mask value.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the mask in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03150I**

**NESTING LIMIT EXCEEDED**

---

## Explanation

In an ACS routine, the nesting of DO, IF-THEN-ELSE, and SELECT-WHEN statements has exceeded the nesting limit.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the excessive nesting in the ACS routine source statements.

## Source

DFSMSdfp



## Routing code

2

## Descriptor code

4

---

**IGD03151I****RELATIONAL OPERATOR MISSING OR INVALID**

---

## Explanation

In an ACS routine, a relational operator is either missing or not valid. Valid operators are:

- `*!ENT!* < ¬*!ENT!* ¬< = ¬= *!ENT!* = <=`
- `GT LT NG NL EQ NE GE LE`

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add or correct the relational operators in the ACS routine source statement.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03152I****INVALID COMPARISON BETWEEN OPERANDS**

---

## Explanation

The comparison is not a valid ACS routine comparison. The following are examples of incorrect comparisons:

- A character compared to a number.
- Two constants compared to each other.
- The storage group variable used in a comparison.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Refer to [\*z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries\*](#) for rules regarding valid comparisons between operands; then correct the statement. Make sure that one operand is a read/only variable or a read/write variable.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03155I****FILTLIST value REFERENCED BUT NOT DEFINED**

---

**Explanation**

A FILTLIST value was used before it was defined in an ACS routine.

In the message text:

**value**

The specified FILTLIST value.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Check the spelling of a defined FILTLIST, or add the missing FILTLIST definition to the ACS routine source.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03156I****EXCESSIVE USE OF BOOLEAN OPERATORS**

---

**Explanation**

An expression is too complex because it contains too many Boolean operators within a parenthetical grouping.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Simplify the expression in the ACS routine source. Using an additional IF or SELECT structure may help relieve the complexity.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03157I**

**INVALID OPERAND ENCOUNTERED IN A COMPARISON**

---

## Explanation

A comparison uses an operand that is incorrect; for example, the comparison may contain:

- a literal value that does not have single quotation marks to open and close it; or
- a reference to a FILTLIST that is not preceded by the required ampersand.
- a literal value that does not follow the expected format to be compared with some variables.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Check the operand involved in the comparison and correct the source statement.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03158I**

**INVALID COMPARISON - LENGTHS OF OPERANDS CONFLICT**

---

## Explanation

A comparison between a literal string and a read/only or read/write variable is incorrect because the length of the literal exceeds the maximum length allowed for the variable. Refer to [\*z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries\*](#) for maximum lengths of read/only and read/write variables.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Check the length of the literal in the comparison, and correct the ACS routine source statement.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

**IGD03160I**

**MISSING CLAUSE FOR THEN**

### Explanation

In an ACS routine, a clause did not follow the THEN keyword of an IF statement.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Make sure the THEN keyword has a matching clause, and correct the ACS routine source statement.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

**IGD03161I**

**MISSING THEN KEYWORD ON AN IF STATEMENT**

### Explanation

In an ACS routine, a THEN keyword did not follow an IF statement.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Add the missing THEN clause to the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03162I** **MISSING CLAUSE FOR ELSE****Explanation**

In an ACS routine, a clause did not follow the ELSE keyword of an IF statement.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Make sure the ELSE keyword has a matching clause, and correct the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03170I** **MISSING CLAUSE FOR WHEN****Explanation**

In an ACS routine, a clause did not follow the WHEN keyword of a SELECT statement.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Make sure the WHEN keyword has a matching clause, and correct the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03171I****MISSING WHEN KEYWORD OR LEFT PARENTHESIS FOR A SELECT  
STATEMENT****Explanation**

In an ACS routine, a WHEN keyword or left parenthesis did not follow a SELECT statement.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Add the missing WHEN clause or the missing left parenthesis to the SELECT statement in the ACS routine source.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03172I****MISSING END KEYWORD FOR A SELECT STATEMENT****Explanation**

In an ACS routine, a SELECT statement did not contain a matching END keyword; all SELECT statements must have a matching END.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Add the missing END statement to the SELECT statement in the ACS routine source.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03174I****MISSING CLAUSE FOR OTHERWISE**

---

**Explanation**

In an ACS routine, a clause did not follow the OTHERWISE keyword of a SELECT statement.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Make sure the OTHERWISE keyword has a matching clause, and correct the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD03175I****INVALID VALUE SPECIFIED ON SELECT STATEMENT**

---

**Explanation**

In an ACS routine, the value inside the parentheses following a SELECT keyword was not a read/only or read/write variable.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Determine whether you need a different form of the SELECT statement, and correct the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

**Explanation**

In an ACS routine, a DO statement does not have a matching END keyword.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Add the missing END keyword in the ACS routine source.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

**Explanation**

In an ACS routine, the value for CODE on the EXIT statement was not a positive number.

**System action**

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

**Programmer response**

Check the value for CODE on the EXIT statement, and correct the ACS routine source statement.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4



## Explanation

In an ACS routine, a WRITE statement contains more than 110 characters; the maximum number of characters allowed is 110. Either the WRITE statement's text is too long, or a quotation mark is not balanced with a closing quotation mark.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the WRITE statement so the text is less than 110 characters long, or the quotation mark has a matching end quotation mark.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03201I

TEXT OF WRITE STATEMENT MISSING OR INVALID

## Explanation

In an ACS routine, a WRITE statement is missing text, or contains an incorrect substitution variable. Refer to [\*z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries\*](#) for valid substitution variables.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the WRITE statement in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03202I

INVALID USE OF SUBSCRIPTED READ/ONLY VARIABLE ON WRITE STATEMENT

## Explanation

In an ACS routine, a WRITE statement contains a subscripted read/only variable; such variables cannot be subscripted.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the WRITE statement in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03210I

PROC STATEMENT MISSING OR INVALID

## Explanation

This ACS routine does not start with a PROC statement.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add a PROC statement to the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03211I

READ/WRITE VARIABLE NAME MISSING OR INVALID ON PROC  
STATEMENT

## Explanation

In an ACS routine, the PROC statement does not contain a read/write variable name; the variable name is either missing or incorrect.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add or correct the variable name in the ACS routine's PROC statement.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03212I

MISSING END KEYWORD FOR THE ACS ROUTINE

## Explanation

The PROC statement in the ACS routine does not have a matching END keyword.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Add the missing END keyword to the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD03213I

END OF PROCEDURE BEFORE END OF SOURCE FILE

## Explanation

In an ACS routine, statements appeared after the END keyword for the PROC statement.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Check the placement of the END keyword for the PROC statement.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |                                      |
|-----------|--------------------------------------|
| IGD03214I | DUPLICATE PROC STATEMENT ENCOUNTERED |
|-----------|--------------------------------------|

### Explanation

This ACS routine contains more than one PROC statement.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Remove the extra PROC statement.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |   |
|-----------|---|
| IGD03215I | PROC STATEMENT MUST BE FIRST STATEMENT IN ACS ROUTINE |
|-----------|---|

### Explanation

In an ACS routine, statements appeared before the PROC statement.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Place the PROC statement at the beginning of the ACS routine.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03220I**

**INVALID SYNTAX FOR SET STATEMENT**

---

## Explanation

In an ACS routine, the SET statement is specified incorrectly; that statement is probably missing the EQ or = operator.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the syntax of the SET statement in the ACS routine.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03221I**

**INVALID SETTING OF READ/WRITE VARIABLE IN ACS ROUTINE**

---

## Explanation

The read/write variable in the SET statement is incorrect for one of the following reasons:

1. The read/write variable in the SET statement is not the correct read/write variable for this ACS routine. A read/write variable can be set only if it appears as a parameter on the PROC statement of the ACS routine.
2. The variable being set is a read/only variable. Read/only variables can only be tested for a specific value; they cannot be altered by the SET command.
3. The variable being set is neither a read/write nor a read/ only variable.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Make sure the read/write variable in the SET statement matches the variable on the PROC statement. If not, check the PROC statement for a misspelled read/write variable, or for a read/write variable that is missing its ampersand.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03222I**

**INVALID ASSIGNMENT OR MISSING LITERAL IN SET STATEMENT**

## Explanation

In an ACS routine, the SET statement does not contain a valid literal on the right hand side of the = or EQ operator.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the SET statement so it contains a valid literal.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD03223I**

**INVALID LIST ASSIGNMENT**

## Explanation

In an ACS routine, a list of values was specified on the right hand side of the = or EQ operator. The read/write variable cannot be assigned a list of values.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Change the SET statement so the read/write variable is not assigned a list of values.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |   |
|-----------|---|
| IGD03224I | INVALID READ/ONLY VARIABLE <i>keywd</i> ASSIGNED ON SET STATEMENT |
|-----------|---|

## Explanation

In an ACS routine, the read/only variable appears on the right side of a SET statement; however, the keyword is not one of the read/only variables that can be the source of a SET statement. Refer to [\*z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries\*](#) for the valid assignment values on a SET statement.

In the message text:

### ***keywd***

The specified keyword.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Change the SET statement so a valid read/only variable is the source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03225I | LIST OF VALUES ASSIGNED TO STORAGE GROUP GREATER THAN 15 |
|-----------|--|

## Explanation

In an ACS routine, storage group is assigned a list of values that exceeds the maximum of 15 values.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Change the SET statement so that only 15 values are assigned.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03226I | VALUE SPECIFIED ON SET EXCEEDED ALLOWABLE LENGTH |
|-----------|--|

## Explanation

In an ACS routine, a read/write variable is set to a value greater than 8 characters.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Change the SET statement so that the value for the read/write variable is 8 characters or less in length.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD03227I | SET STATEMENT NOT ENCOUNTERED IN ACS ROUTINE |
|-----------|--|

## Explanation

A SET statement does not appear in the ACS routine.



### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Add a SET statement to the ACS routine source.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |   |
|-----------|---|
| IGD03228I | INVALID SETTING OF STORAGE GROUP - CANNOT BE NULL |
|-----------|---|

### Explanation

In an ACS routine, storage group is assigned a null value.

### System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

### Programmer response

Change the assignment of storage group so it is no longer null.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |   |
|-----------|---|
| IGD03229I | INVALID USE OF SUBSCRIPTED READ/ONLY VARIABLE ASSIGNED ON SET STATEMENT |
|-----------|---|

### Explanation

In an ACS routine, a read/only variable is subscripted in a SET statement; read/only variables cannot be subscripted. Refer to [z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries](#) for valid assignment values for the SET statement.

## System action

The system notes the error in the output listing, and continues checking the syntax of the ACS routine. However, the system will not produce the object table, so the translation will fail.

## Programmer response

Correct the assignment on the SET statement in the ACS routine source.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD04001I</b> | <b>UNEXPECTED CATALOG LOCATE PROCESSING ERROR - RETURN CODE</b><br><b><i>rc</i> REASON CODE <i>rsnc</i></b> |
|------------------|---|

---

## Explanation

An unexpected error occurred in catalog processing while attempting to locate a data set. The error may have occurred if an attempt was made to create a control volume (CVOL) environment as DYNAMIC or to access an existing CVOL as DYNAMIC.

In the message text:

### ***rc***

The catalog locate return code.

### ***rsnc***

For return code 38, the catalog locate reason code; otherwise, 0.

Refer to message IDC3009I for explanations of the return and reason codes.

## System action

The system ends the request.

**Programmer Response:** Follow the instructions provided for the return code (and reason code, if the reason code is non-zero) under message IDC3009I.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD04002I</b> | <b>LOCATE FAILURE FOR SMS-MANAGED DATA SET <i>dsname</i> REFERENCED</b><br><b>WITHIN THE SCOPE OF JOBCAT/STEPDAT</b> |
|------------------|--|

---

## Explanation

The data set is an SMS managed data set that is referenced in either:

- a job containing a JOBCAT;
- a step containing a STEPCAT; or
- both a job containing a JOBCAT and a step containing a STEPCAT.

In the message text:

### ***dsname***

The data set name.

## System action

The system ends the request.

## Programmer response

Do one of the following:

- If there is no need for the JOBCAT and/or STEPCAT DD statement(s), remove them and resubmit the job.
- If a JOBCAT DD statement is specified, remove it and insert STEPCAT DD statements only on the required steps. Then resubmit the job.
- If a STEPCAT DD statement is necessary, then divide the step into several steps so the steps that do reference SMS managed data sets do not contain a STEPCAT DD statement. Then resubmit the job.
- Make sure all referenced ICF catalogs are connected to the system master catalog.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD04004I</b> | <b>DATA SET <i>dsname</i> IS NOT SMS-MANAGED BUT SMS-MANAGED VOLUME SERIAL WAS SPECIFIED</b> |
|------------------|--|

## Explanation

The catalog entry indicates that a data set is not SMS-managed, but an SMS managed volume serial was specified.

In the message text:

### ***dsname***

The data set name.

## System action

The system ends the request.

## Programmer response

Do one of the following:

- Remove the VOL=SER in your JCL, and resubmit the job.
- Specify the correct VOL=SER in your JCL, and resubmit the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD04007I</b> | <b>VOLUME <i>ser1</i> IS DASD AND VOLUME <i>ser2</i> IS IN A TAPE LIBRARY FOR DATA SET <i>dsname</i>. THE TWO CANNOT BE MIXED</b> |
|------------------|---|

---

## Explanation

The system attempted to allocate a data set on a DASD volume and on a tape volume that resides in a system-managed tape library. Mixed media types are not allowed for a single data set. If more than two volumes are involved, the system issues a message only for the first error that is detected.

In the message text:

### ***ser1***

A volume serial specified for the data set

### ***ser2***

A volume serial specified for the data set

### ***dsname***

The data set name

## System action

The system fails the job.

## Programmer response

If the volume serials are specified incorrectly, then correct the specification. If the volume serials are correct, then contact the tape librarian to eject the tape volume(s) from the system-managed tape library.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCAT01

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD04008I</b> | <b>VOLUME <i>ser1</i> IS DASD AND VOLUME <i>ser2</i> IS NOT FOR DATA SET <i>dsname</i></b> |
|------------------|--|

---

## Explanation

The system attempted to allocate a data set on a DASD volume and on a volume that is either offline or non-DASD (neither DASD nor a library resident tape volume). Offline volumes cannot be allocated, and mixed media types are not allowed for a single data set. If more than two volumes are involved, the system issues a message only for the first error that is detected.

In the message text:

### ***ser1***

A volume serial specified for the data set

### ***ser2***

A volume serial specified for the data set

### ***dsname***

The data set name

## System action

The system fails the job.

## Programmer response

Correct the volume specification or request that the operator vary the volume online, then resubmit the job.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCAT01

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD04009I</b> | <b>VOLUME <i>ser1</i> IS IN A TAPE LIBRARY AND VOLUME <i>ser2</i> IS NOT FOR<br/>DATA SET <i>dsname</i></b> |
|------------------|---|

## Explanation

The system attempted to allocate a data set on one volume that is a library resident tape and one volume that is not a library resident tape. If the first volume in the list is in a tape library, then this message is issued as an attention only. The system allows the allocation to proceed and invokes the *Volume not in Library* installation exit to resolve the inconsistency.

If the first volume is *not* in a tape library and a subsequent volume is found to reside in a tape library, this is an error condition and the system fails the allocation.

In the message text:

### ***ser1***

A volume serial specified for the data set

### ***ser2***

A volume serial specified for the data set

**dsname**

The data set name

**System action**

If the first volume is in a tape library, the allocation might be successful, if the *Volume not in Library* installation exit can resolve the inconsistency. Otherwise, the system fails the allocation.

**User response**

If the allocation is successful, ignore the message. Otherwise, if the volume serials are specified incorrectly, then correct the specification. If the volume serials are correct, then contact the tape librarian to either eject the library resident tape volume(s) from the library or enter the non-library resident volume(s) in the library.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCAT01

**Routing code**

2

**Descriptor code**

4

---

**IGD04010I**

**VOLUME *ser1* IS SMS-MANAGED AND VOLUME *ser2* IS NOT FOR DATA SET *dsname*. THE TWO CANNOT BE MIXED**

**Explanation**

The system attempted to allocate a data set on a Storage Management Subsystem (SMS)-managed DASD volume and on a non-SMS-managed DASD volume. A mixture of SMS-managed and non-SMS-managed volumes is not allowed for a single data set. If more than two volumes are involved, the system issues a message only for the first error that is detected.

In the message text:

***ser1***

A volume serial specified for the data set

***ser2***

A volume serial specified for the data set

***dsname***

The data set name

**System action**

The system fails the job.

**System programmer response**

Same as Programmer Response.

## Programmer response

If the volume serials are specified incorrectly, then correct the specification. If the volume serials are correct, then contact your storage administrator to make all the volumes either SMS-managed or non-SMS-managed.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCAT01

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD04011I</b> | <b>LOCATE FAILURE FOR DATA SET <i>dsname</i> REFERENCED WITHIN THE SCOPE OF JOBCAT/STPCAT</b> |
|------------------|---|

## Explanation

Either the installation has disabled JOBCAT and STEPCAT support, or the data set is SMS-managed and the data set is referenced in a job that contains JOBCAT or a step that contains STEPCAT.

In the message text:

### ***dsname***

The data set name.

## System action

The system ends the request.

## System programmer response

If the installation has disabled the JOBCAT and STEPCAT support, the job should be altered so that JOBCAT or STEPCAT is no longer needed. If this is not possible (or feasible), reenable the support by using the DFSMS MODIFY CATALOG,ENABLE(JOBSTEPCAT) command. For more information about this command, see [\*z/OS DFSMS Managing Catalogs\*](#).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD04100I</b> | <b>THE LABEL PARAMETER SPECIFIES INPUT PROCESSING ONLY WITH A DISPOSITION OF MOD FOR DATA SET <i>dsname</i></b> |
|------------------|---|

## Explanation

The user specified **IN** in the fourth subparameter of the **LABEL** parameter and the data set disposition was specified as MOD. Since a disposition of MOD implies output processing, this is not allowed.

In the message text:

### ***dsname***

The data set name

## System action

The system fails the job.

## System programmer response

Same as programmer response.

## Programmer response

Do one of the following:

- If the data set does not exist, either remove the fourth LABEL subparameter or change it to OUT.
- If the data set exists, change the disposition to OLD
- Remove the fourth LABEL subparameter
- Change the fourth LABEL subparameter to OUT

## Source

Storage Management Subsystem (SMS)

## Module

IGDCAT01

## Routing code

2

## Descriptor code

4

---

**IGD04900I**

**ATTEMPT TO GET FILE STATUS FOR AN OPENMVS FILE FAILED RETURN  
CODE=*rc*, REASON CODE=*rs*, FILENAME=*filename***

## Explanation

SMS attempted to get the file status of an HFS file, which is the same as doing a LOCATE for an MVS data set. z/OS UNIX failed with the indicated return and reason codes.

## System action

The allocation fails.



**Programmer response**

The return and reason code in this message are created by the z/OS UNIX system. For an explanation of the return code and reason code, see the appropriate topic in [z/OS UNIX System Services Messages and Codes](#). Correct the problem as indicated and resubmit the job.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCATHD

**Routing code**

2

**Descriptor code**

4

---

**IGD04901I** NO PATHNAME SPECIFIED. ALLOCATION FAILED FOR DDNAME *ddname*

**Explanation**

Allocation called SMS with an indication that a z/OS UNIX file was being processed, but no PATH= name was available to SMS.

**System action**

The allocation fails.

**Programmer response**

Probable system error. Contact your programming support personnel.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCATHD

**Routing code**

2

**Descriptor code**

4

---

**IGD06022I** THE {STORAGE GROUP|STORAGE CLASS|MANAGEMENT CLASS|DATA CLASS} ACS ROUTINE REFERENCES NON-EXISTENT {STORAGE CLASS *sname*|MANAGEMENT CLASS *mname*|DATA CLASS *dname*}

## Explanation

The specified ACS routine references a storage class, management class, or data class that does not exist in the configuration. The test expression of an IF statement may have caused this error.

In the message text:

### ***scname***

The storage class.

### ***mcname***

The management class.

### ***dcname***

The data class.

## System action

The system continues processing.

## Programmer response

If this condition is intentional, take no corrective action.

Otherwise, check the IF statement test expressions in the ACS routine. If one of the expressions is incorrect, modify it. If not, add a definition for the undefined storage class, management class, or data class. Refer to [z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries](#) for more information.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD06023I**

**STORAGE GROUP *sgname* IS NOT REFERENCED BY THE STORAGE GROUP ACS ROUTINE**

## Explanation

The POOL or VIO-type storage group, which is defined in the configuration, is not a possible outcome of the storage group ACS routine. That is, the storage group *sgname* is not included on the right hand side of a set statement.

In the message text:

### ***sgname***

The storage group name.

## System action

The system continues processing.

## Programmer response

Do one of the following:

- If the condition is intentional, no action is required. However, any volumes in storage group *sgname* are not eligible for new data set allocations.
- If the condition is not desired, do one of the following:
  - Correct the storage group ACS routine source so that a set statement refers to storage group *sgname*.
  - Remove the storage group definition from the configuration.
  - Change the storage group type to DUMMY.

Refer to *z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries* for more information.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

**IGD06024I**

---

**THE STORAGE GROUP ACS ROUTINE SETS STORAGE GROUP *sgname*  
WHICH IS A DUMMY-TYPE STORAGE GROUP**

## Explanation

The system programmer created a storage group ACS routine that sets the STORGRP read/write variable to the storage group. However, the storage group is defined as a DUMMY type. STORGRP cannot be set to a DUMMY type storage group.

In the message text:

***sgname***

The storage group name.

## System action

The system continues processing.

## Programmer response

Modify the storage group ACS routine so STORGRP is not set to the storage group, or change the storage group to POOL or VIO type.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD06025I****THE {STORAGE GROUP|STORAGE CLASS|MANAGEMENT CLASS| DATA CLASS} ACS ROUTINE SETS NON-EXISTENT VALUE {*sgname*|*scname*|*mcname*|*dcname*}**

### Explanation

The specified ACS routine is inconsistent with the configuration. The ACS routine sets its read/write variable to an undefined storage group, storage class, management class, or data class.

In the message text:

***sgname***

The storage group name.

***scname***

The storage class.

***mcname***

The management class.

***dcname***

The data class.

### System action

The system continues processing.

### Programmer response

Do one of the following:

- Modify the ACS routine so that it does not set inconsistent values.
- Add a definition for the undefined storage group, storage class, management class, or data class.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

**IGD06026I****NO POOL-TYPE STORAGE GROUPS EXIST IN THE CONFIGURATION**

### Explanation

No POOL-type storage group is defined in the configuration. A configuration must contain at least one POOL-type storage group.

### System action

The system continues processing.

### Programmer response

Define at least one POOL-type storage group; you may correct a storage group that is currently defined as VIO or DUMMY.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD06027I****NO STORAGE CLASSES EXIST IN THE CONFIGURATION**

---

**Explanation**

No storage classes are defined in the configuration. A configuration must contain at least one storage class.

**System action**

The system continues processing.

**Programmer response**

Define appropriate storage classes for the configuration.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD06028I****NO STORAGE GROUP ACS ROUTINE EXISTS IN THE CONFIGURATION**

---

**Explanation**

No storage group ACS routine exists in the configuration. Since storage groups cannot be specified externally (for example, via JCL), they must be specified by a storage group ACS routine that is defined in a configuration.

**System action**

The system continues processing.

**Programmer response**

Do one of the following:

- Use ISMF TRANSLATE to translate an existing storage group ACS routine into the source control data set (SCDS).
- Create a storage group ACS routine appropriate for this configuration, and translate it.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD06029I****MINIMALLY REQUIRED STORAGE GROUP IS NOT IN THE  
CONFIGURATION****Explanation**

There is no storage group of the following types in the configuration:

- VIO
- POOL
- OBJECT
- TAPE

A configuration must contain at least one of these storage group types.

**System action**

The system continues processing.

**Operator response**

Contact the storage administrator.

**System programmer response**

Define at least one storage group of the appropriate type. Refer to the storage administration reference for more information.

**Programmer response**

Contact the storage administrator.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCSVAL

**Routing code**

2

**Descriptor code**

4

Explanation

Duplicate storage group name detected in Storage Group name list set by the ACS routine.

In the message text:

*nnn*  
The duplicate construct name.

System action

The CDS validation fails.

Programmer response

Correct the storage group ACS routine and re-validate.

Source

Data Facility Product (DFSMS)

Module

IGDCSVAL

IGD06031I

DATA SET SEPARATION PROFILE *dsn* {COULD NOT BE ACCESSED. SMS  
RETURN CODE *rc func* REASON CODE *rsn*. | CONTAINED A SYNTAX  
ERROR ON LINE *line* POSITION *pos*.}

Explanation

This message is generated during SMS source control data set (SCDS) validation. The control data set specified a data set separation profile that could not be accessed or that failed syntax checking.

In the message text:

*dsn*  
The name of the data set separation profile

*rc*  
The 4-byte return code, in hexadecimal

*func*  
The name of the function that detected the error

*rsn*  
The 4-byte function reason code, in hexadecimal

*line*  
The number of the line in the separation profile that contained the syntax error

*pos*  
The character position within the line where the syntax error was detected

System action

The configuration is marked not valid.

Operator response

None

## System programmer response

Correct the condition and revalidate the configuration. For profile access failures, make sure that the data set is cataloged and that the SCDS base configuration contains the correct data set profile name. A profile that reports a syntax error or an access error with SMS as the function detecting the error indicates that the profile has been modified without validation. Run SCDS validation and reactivate the configuration. If the error persists after successful validation, contact the IBM Support Center and report the error.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDCSVAL

---

|                  |  |
|------------------|--|
| <b>IGD06041I</b> | <b>SMS RESOURCE NAME IGDCDSXS FOR <i>dsn</i> IS NOT FOUND IN GRS RESERVE CONVERSION RNL. RETURN CODE <i>retcode</i> REASON CODE <i>rsncode</i></b> |
|------------------|--|

---

## Explanation

SMS issues a RESERVE with the resource name, IGDCDSXS for *dsn*, to serialize the access to SMS control data sets, ACDS, SCDS and COMMDS, across multiple systems. SMS resource name IGDCDSXS should be placed in the GRS RESERVE conversion RNL as a generic entry, so that it can be converted to the global ENQ. This is to minimize delays due to contention for resources and prevent potential deadlocks. This message is issued when SMS detects, during IPL and the activation of a new SMS configuration, that IGDCDSXS is not found in the GRS RESERVE conversion RNL and the system is to participate in a global resource serialization complex. See [z/OS MVS Programming: Assembler Services Reference IAR-XCT](#) or [z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG](#) for more information on the return code from the ISGQUERY macro (if any).

In the message text:

### ***dsn***

An ACDS, SCDS, or COMMDS name.

### ***retcode***

The return code from the ISGQUERY macro.

### ***rsncode***

The reason code from the ISGQUERY macro.

## System action

The system continues processing.

## Operator response

None

## System programmer response

Define IGDCDSXS in the GRS RESERVE conversion RNL in GRSRNLxx member as recommended.

## Source

Storage Management Subsystem (DFSMS)

---

|                  |  |
|------------------|--|
| <b>IGD06120I</b> | <b>NO BASE CONFIGURATION INFORMATION EXISTS IN THE CONFIGURATION</b> |
|------------------|--|

---



## Explanation

No base configuration information has been defined; that base information is a required part of the configuration.

## System action

The system continues processing.

## Programmer response

Use the ISMF CDS application to define the base configuration information for this configuration.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD06121I | THE SPECIFIED DEFAULT MANAGEMENT CLASS <i>mcname</i> DOES NOT EXIST IN THE CONFIGURATION |
|-----------|--|

## Explanation

The default management class was specified in the base configuration information, but does not exist in the configuration.

In the message text:

### ***mcname***

The default management class.

## System action

The system continues processing.

## Programmer response

Define the indicated management class, or specify an existing management class as the default management class.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD06122I | STORAGE GROUP <i>sgname</i> HAS NO VOLUMES |
|-----------|--|

## Explanation

There are no volumes in the configuration that belong to the POOL or DUMMY type storage group. However, every POOL or DUMMY type storage group defined in the configuration must have at least one volume.

In the message text:

### ***sgname***

The storage group name.

## System action

The system continues processing.

## Programmer response

Do one of the following:

- Add to the configuration volumes that belong to *sgname*.
- Change the storage group of an existing volume already in the configuration.
- Change the storage group type to VIO.
- Delete the storage group.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD06124I</b> | <b>STORAGE GROUP <i>sgname</i> POINTS TO AN UNDEFINED LIBRARY<br/><i>libname</i></b> |
|------------------|--|

## Explanation

The definition of the specified storage group contains a library name that is not associated with any of the library definitions in the source control data set(SCDS).

### ***sgname***

The specified object, object backup or tape storage group name.

### ***libname***

The specified optical or system-managed tape library name.

## System action

The system marks the CDS as invalid. This CDS cannot be

## Operator response

Contact the storage administrator.

## System programmer response

The storage administrator should do the following.

1. If the specified library should be in the storage group, then add the library to the SCDS through the ISMF panels.
2. If the specified library should not be associated with the storage group, then use Interactive Storage Management Facility (ISMF) panels to delete the library from the storage group.

### Programmer response

Contact the storage administrator.

### Source

Storage Management Subsystem (SMS)

### Module

IGDCSOAM

### Routing code

2

### Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD06125I</b> | <b>STORAGE GROUP <i>sgname</i> CANNOT HAVE BOTH REAL AND PSEUDO LIBRARIES</b> |
|------------------|---|

---

### Explanation

A storage group *sgname* is associated with both real and pseudo libraries. The specified storage group can be associated with either real libraries or a pseudo library, but not both.

In the message text:

#### ***sgname***

The specified storage group name.

### System action

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

### Operator response

Contact the storage administrator.

### Programmer response

The storage administrator should do one of the following:

- If the specified storage group was meant to be connected only to real libraries, then use the interactive storage management facility (ISMF) panels to delete the pseudo library from that storage group.
- If the pseudo library does not belong in the save control data set (SCDS), then delete the pseudo library definition from that storage group.
- If the specified storage group was meant to be connected only to the pseudo library, then delete the real libraries from that storage group.
- If one or more of the real libraries does not belong in the SCDS, then delete the real library definition(s).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD06126I**

**LIBRARY *libname* MUST HAVE AT LEAST ONE DRIVE**

## Explanation

The specified library is not connected to at least one optical drive.

In the message text:

***libname***

The specified library.

## System action

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

## Operator response

Contact the storage administrator.

## Programmer response

The storage administrator should use the interactive storage management facility (ISMF) application to add the drive or drives to the definition of the specified library.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD06127I**

**THE SYSTEM OF DRIVE *drvname* DOES NOT MATCH THE SYSTEM OF  
LIBRARY *libname***

## Explanation

Library *libname* and drive *drvname* can be connected only to one system. The specified library contains the specified drive, but the system to which the library is connected is not the same as the system to which the drive is connected.

In the message text:

***drvname***

The specified drive name.

***libname***

The specified library name.

**System action**

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

**Operator response**

Contact the storage administrator.

**Programmer response**

Change the system connectivity of either the library, the drive, or both through the interactive storage management facility (ISMF) application.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD06128I****DRIVE *drvname* MUST BE IN A DEFINED LIBRARY**

---

**Explanation**

The library associated with drive *drvname* is not defined in the save control data set (SCDS).

In the message text:

***drvname***

The specified drive name.

**System action**

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

**Operator response**

Contact the storage administrator.

**Programmer response**

The storage administrator should do one of the following:

- If the library should be defined, add the library definition to the SCDS through the interactive storage management facility (ISMF) application.
- If the drive should not be in the SCDS, delete the drive definition through the ISMF application.

## Source

DFSMSdfp

## Routing code

2

### Descriptor code

4

**IGD06129I STORAGE GROUP *sgname* MUST BE CONNECTED ONLY TO ONE SYSTEM**

### Explanation

The specified storage group is connected to more than one system.

In the message text:

***sgname***

The specified storage group name.

### System action

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

## Operator response

Contact the storage administrator.

## Programmer response

The storage administrator should correct the system connectivity for the storage group through the interactive storage management facility (ISMF) application. Ensure that the storage group is connected only to a single system.

## Source

DFSMSdfp

## Routing code

2

### Descriptor code

4

**IGD06132I** THE SYSTEM OF LIBRARY *libname* DOES NOT MATCH THE SYSTEM OF STORAGE GROUP *sgname*

### Explanation

The specified library and storage group are associated, but each one is connected to a different system.

***libname***

The specified optical or system-managed tape library name.

***sgname***

The specified object, object backup or tape storage group name.

**System action**

The system marks the CDS as invalid. This CDS cannot be activated until the problem is corrected.

**Operator response**

Contact the storage administrator.

**User response**

Contact the storage administrator.

**Programmer response**

The storage administrator should correct the system connectivity of either the library, the storage group, or both, through the ISMF panels. Use ISMF to review/modify the following:

1. The Storage Group SYSTEM/SYS Group Status is set to NOTCON for each system in which the tape library is not connected.
2. The SMS Tape Library Initial ONLINE Status is set to blank for each system in which the tape library is not connected

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCSOAM

**Routing code**

2

**Descriptor code**

4

---

**IGD06133I****LIBRARY *libname* MUST BE CONNECTED ONLY TO ONE SYSTEM****Explanation**

The specified library name is connected to more than one system.

In the message text:

***libname***

The specified library name.

**System action**

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

**Operator response**

Contact the storage administrator.

## Programmer response

The storage administrator should use the interactive storage management facility (ISMF) application to correct the system connectivity of the library.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD06134I</b> | <b>GROUP ID <i>id</i> IN STORAGE GROUP <i>sgname</i> IS A DUPLICATE</b> |
|------------------|---|

---

## Explanation

The object access method (OAM) table space group ID for the specified storage group is a duplicate of the OAM table space group ID for another storage group.

In the message text:

***id***

The OAM table group identifier.

***sgname***

The specified storage group.

## System action

The system marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem has been corrected.

## Operator response

Contact the storage administrator.

## System programmer response

The storage administrator should correct the storage group so that it has a unique OAM table space group ID.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD06135I</b> | <b>ONLY ONE OBJECT BACKUP STORAGE GROUP IS ALLOWED PER SYSTEM</b> |
|------------------|---|

---



**Explanation**

The control data set (CDS) being validated contains a base configuration with a system to which there is attached more than one object backup storage group.

**System action**

The system marks the CDS as incorrect. This CDS cannot be activated until the problem is corrected.

**Operator response**

Contact the storage administrator.

**Programmer response**

The storage administrator should do the following:

- 1. Identify the object backup storage groups in the CDS, and identify which system each one is attached to.
- 2. Identify which object backup storage groups are attached to the same system.
- 3. Alter the system connectivity of these storage groups so that each object backup storage group is connected only to a single system.
- 4. Delete extra object backup storage groups, if necessary.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

|           |   |
|-----------|---|
| IGD06136I | MANAGEMENT CLASS <i>class_name</i> REFERENCES NON-EXISTENT<br>DESTINATION DEFINITION <i>dest_name</i> |
|-----------|---|

**Explanation**

The management class contains a destination definition that is not defined to the configuration.

***class\_name***

The management class specified.

***dest\_name***

The destination definition.

**System action**

The systems marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

**Programmer response**

The storage administrator should do the following:

- If the destination definition should be in the management class, add it to the configuration.
- If the destination definition should not be associated with the management class, delete it from the management class.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD06137I</b> | <b>AGGREGATE GROUP <i>group_name</i> REFERENCES NON-EXISTENT<br/>MANAGEMENT CLASS <i>class_name</i></b> |
|------------------|---|

---

## Explanation

The definition of the specified aggregate group contains a management class that is not defined in the configuration.

### ***group\_name***

The aggregate group name specified.

### ***class\_name***

The management class that is not defined in the configuration.

## System action

The systems marks the control data set (CDS) as incorrect. This CDS cannot be activated until the problem is corrected.

## Programmer response

The storage administrator should do the following:

- If the management class should be in the aggregate group, add it to the configuration.
- If the management class should not be associated with the aggregate group, delete it from the aggregate group.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD06138I</b> | <b>AN OBJECT OR OBJECT BACKUP STORAGE GROUP <i>sgname</i> CANNOT<br/>REFERENCE A TAPE LIBRARY <i>libname</i></b> |
|------------------|--|

---

## Explanation

An object or object backup storage group referenced a system-managed tape library, but it can only reference an optical library. The system issued a validation CDS error.

### ***sgname***

The specified storage group name.

***libname***

The specified system-managed tape library name.

**System action**

The system marks the CDS as not valid. You must correct the problem before this CDS can be activated.

**Operator response**

Contact the storage administrator.

**System programmer response**

The storage administrator should do the following if the specified tape library is in a object or object backup storage group:

1. Delete the tape library from the configuration.
2. Add an optical library to configuration to associate with the object or object backup storage group.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDCSOAM

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD06139I</b> | <b>A TAPE STORAGE GROUP <i>sgname</i> CANNOT REFERENCE AN OPTICAL LIBRARY <i>libname</i></b> |
|------------------|--|

**Explanation**

A tape storage group referenced an optical library, but it can only reference a system-managed tape library. The system issued a validation CDS error.

In the message text:

***sgname***

The specified storage group name.

***libname***

The specified optical library name.

**System action**

The system marks the CDS as not valid. You must correct the problem before this CDS can be activated.

**Operator response**

Contact the storage administrator.

## System programmer response

The storage administrator should do the following if the specified optical library is in a tape storage group:

1. Delete the optical library from the configuration
2. Add a system-managed tape library to configuration to associate with the tape storage group.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCSOAM

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD06140I | TAPE STORAGE GROUP <i>sgname</i> MUST HAVE AT LEAST ONE TAPE LIBRARY |
|-----------|--|

## Explanation

The specified tape storage group must be associated with at least one system-managed tape library.

In the message text:

### ***sgname***

The specified storage group name.

## System action

The system marks the CDS as not valid. You must correct the problem before this CDS can be activated.

## Operator response

Contact the storage administrator.

## System programmer response

The storage administrator should do one of the following:

1. If the specified tape storage group should be associated with one or more libraries, then use Interactive Storage Management Facility (ISMF) panels to make the association.
2. If the storage group is not valid, then delete it from the CDS by using ISMF panels.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCSOAM

## Routing code

2

## Descriptor code

4

---

**IGD06200I**

**STORAGE CLASSES IN THE CONFIGURATION SPECIFY MORE THAN 16  
UNIQUE COUPLING FACILITY WEIGHTS**

## Explanation

There are more than 16 unique values specified on the direct and sequential coupling facility weight parameters specified for the storage classes defined in the configuration.

## System action

The system marks the CDS as invalid. You must correct the problem before this CDS can be activated.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator must modify the storage classes in the configuration so that the total number of coupling facility weights specified does not exceed 16.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

**IGD06201I**

**STORAGE CLASSES *scname* SPECIFIES CACHE SET *cacheset* WHICH  
DOES NOT EXIST IN THE BASE CONFIGURATION INFORMATION**

## Explanation

A cache set specified for a storage class is not defined in the base configuration information.

## System action

The system marks the CDS as invalid. You must correct the problem before this CDS can be activated.

## Operator response

Contact the storage administrator.

## User response

Contact the storage administrator.

## Programmer response

The storage administrator must do one of the following:

- Modify the storage class so that the Cache Set is either blank or a Cache Set which is defined in the base configuration information.
- Modify the base configuration information to define the Cache Set.

## Source

Storage Management Subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD06202I</b> | <b>STORAGE GROUP <i>sname1</i> INCORRECTLY SPECIFIES EXTEND<br/>STORAGE GROUP NAME <i>sname2</i></b> |
|------------------|--|

## Explanation

This message is generated during SMS source control data set (SCDS) validation. Either the referenced storage group *sname2* does not exist in the configuration, or one of the storage groups (*sname1* or *sname2*) is not a pool storage group.

In the message text:

### ***sname1***

The name of the storage group that contains the reference

### ***sname2***

The referenced storage group name

## System action

The configuration is marked not valid.

## Operator response

None

## System programmer response

Verify that *sname2* is defined in the configuration and that both *sname1* and *sname2* are pool storage groups. Correct the condition and revalidate the configuration.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDCSVAL

**IGD06203I**

**STORAGE GROUP *sg1* INCORRECTLY SPECIFIES COPY POOL BACKUP  
STORAGE GROUP NAME *sg2***

## Explanation

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). A pool storage group incorrectly references a copy pool backup storage group, as follows:

- The referenced copy pool backup storage group was not found.
- The referenced copy pool backup storage group is not defined as a copy pool backup storage group type.

In the message text:

***sg1***

The name of the pool storage group that contains the error.

***sg2***

The name of the referenced storage group.

## System action

The SCDS is invalid. Processing continues.

## Operator response

None

## System programmer response

None

## Programmer response

Correct the name of the copy pool backup storage group in the failing pool storage group and revalidate the SMS SCDS.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

**IGD06204I**

**NO POOL STORAGE GROUPS WERE FOUND WHICH REFERENCES THE  
COPY POOL BACKUP STORAGE GROUP *sg1***

## Explanation

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). At least one pool storage group must reference a copy pool backup storage group.

In the message text:

***sg1***

The name of the copy pool backup storage group that a pool storage group needs to reference.

## System action

The SCDS is invalid. Processing continues.

## Operator response

None

## System programmer response

None

## Programmer response

Remove the copy pool backup storage group or enter the name of the copy pool backup storage group in a pool storage group. Correct the error and revalidate the SMS SCDS.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

**IGD06205I**

**COPY POOL BACKUP STORAGE GROUP *sg1* CAN NOT BE ASSIGNED BY  
THE STORAGE GROUP ACS ROUTINE FOR ALLOCATIONS**



**Explanation**

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). A copy pool backup storage group is not to be used for data set allocations.

In the message text:

**sg1**  
The name of the copy pool backup storage group.

**System action**

The SCDS is invalid. Processing continues.

**Operator response**

None

**System programmer response**

None

**Programmer response**

Remove the copy pool backup storage group name from the SET &STORGRP statement in the storage group ACS routine.

**Problem determination**

None

**Source**

Storage management subsystem (SMS)

**Module**

IGDCSVAL

**Routing code**

2

**Descriptor code**

4

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|                  |   |
|------------------|---|
| <b>IGD06206I</b> | <b>COPY POOL <i>cp1</i> SPECIFIES STORAGE GROUP <i>sg1</i> WHICH IS NOT DEFINED IN THE CONFIGURATION.</b> |
|------------------|---|

**Explanation**

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). A copy pool definition specifies a nonexistent storage group.

In the message text:

**cp1**  
The name of the copy pool definition that contains the error.

**sg1**  
The name of the copy pool backup storage group.

## System action

The SCDS is invalid. Processing continues.

## Operator response

None

## System programmer response

None

## Programmer response

Remove the copy pool backup storage group name from the SET &STORGRP statement in the storage group ACS routine.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

**IGD06207I**

**COPY POOL *cp1* REFERENCES STORAGE GROUP NAME *sg1* WHICH IS NOT A POOL STORAGE GROUP TYPE.**

## Explanation

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). A copy pool definition specifies a storage group in error.

In the message text:

***cp1***

The name of the copy pool definition that contains the error.

***sg1***

The name of the referenced storage group.

## System action

The SCDS is invalid. Processing continues.

## Operator response

None

## System programmer response

None

## Programmer response

Remove the storage group name from the copy pool definition or define the referenced storage group as a pool storage group type to resolve the error.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

IGD06208I

**COPY POOL *cp1* REFERENCES STORAGE GROUP NAME *sg1* WHICH  
DOES NOT SPECIFY A COPY POOL BACKUP STORAGE GROUP.**

## Explanation

The storage management subsystem (SMS) issues this message during validation of its source control data set (SCDS). A copy pool definition specifies a pool storage group. The referenced pool storage group does not specify a corresponding copy pool backup storage group.

In the message text:

### ***cp1***

The name of the copy pool definition.

### ***sg1***

The name of the pool storage group in error.

## System action

The SCDS is invalid. Processing continues.

## Operator response

None

## System programmer response

None

## Programmer response

Remove the storage group name from the copy pool definition or define a copy pool backup in the referenced storage group to resolve the error.

## Problem determination

None

## Source

Storage management subsystem (SMS)

## Module

IGDCSVAL

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD07001I</b> | <b>GDG ROLL IN ERROR - RETURN CODE <i>rc</i> REASON CODE <i>rsnc</i> MODULE <i>modname</i></b> |
|------------------|--|

## Explanation

An unexpected error occurred in the catalog while attempting to roll a generation data set (GDS) into a generation data group (GDG).

In the message text:

### ***rc***

The catalog return code.

### ***rsnc***

The catalog reason code.

### ***modname***

The module that returned the error.

## System action

The roll in fails. The GDS is retained and may be referred to by its absolute generation name; see message IGD104I and IGD105I, which follows this message, for the data set's name. Refer to [z/OS DFSMS Managing Catalogs](#) for further action.

## Programmer response

Refer to the explanations of return and reason codes under catalog message IDC3009I.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD07002I**

**VOLUME *volser* NOT AVAILABLE**

---

## Explanation

The storage management subsystem (SMS) was invoked for disposition processing to delete a data set. The volume associated with that data set was not defined to the configuration, the volume was not currently mounted, or SMS was not active at IPL time. The volume might have been deleted from the active configuration. If SMS was not active at IPL time, there is no way to determine the status of the volume with SMS.

In the message text:

### ***volser***

The volume serial number.

## System action

The system does not delete the data set.

## Programmer response

Either modify the configuration to include the volume, or make sure the volume is online.

## Source

DFSMSdfp

## Module

IGDDSP00

## Routing code

2

## Descriptor code

4

---

**IGD07003I**

***ddname*-GDS PREVIOUSLY ROLLED IN**

---

## Explanation

An attempt to roll in a new generation of a GDG for the DDNAME failed because that generation had already been rolled in.

In the message text:

### ***ddname***

The specified DDNAME.

## System action

The roll-in fails.

## Programmer response

Either refer to the new generation by using its relative generation, which has already been rolled in; or correct the DISP=(,CATLG) statement.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD07004I</b> | <b>NO VOLUME SERIALS PROVIDED TO CATALOG DATA SET <i>dsname</i></b> |
|------------------|---|

## Explanation

The storage management subsystem (SMS) was invoked for disposition processing to catalog a data set on one or more SMS-managed mountable volumes, but the caller did not provide any volume serials.

### *dsname*

The data set name

## System action

The system does not catalog the data set.

## System programmer response

Contact the IBM support center.

## Programmer response

Probable system error. Contact your programming support personnel.

## Source

Storage Management Subsystem (SMS)

## Module

IGDDSP00

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD07900I</b> | <b>INVALID CALL FROM DISPOSITION PROCESSING. PATHNAME<br/>REQUIRED BUT NOT AVAILABLE FOR DDNAME <i>ddname</i></b> |
|------------------|---|

## Explanation

Disposition processing called SMS with an indication that a z/OS UNIX file was being processed, but no PATH= name was available to SMS.

## System action

The job fails.

## Programmer response

Probable system error. Contact your programming support personnel.

## Source

Storage Management Subsystem (SMS)

## Module

IGDDSP01

## Routing code

2

## Descriptor code

4

---

**IGD07901I**

**DELETION OF OPENMVS FILE FAILED, RETURN CODE=*rc*, REASON  
CODE=*rs*, FILENAME=*filename***

## Explanation

SMS attempted to delete a z/OS UNIX file. z/OS UNIX failed with the indicated return and reason codes.

## System action

The job fails.

## Programmer response

The return and reason code in this message are created by the z/OS UNIX system. For an explanation of the return code and reason code, see the appropriate topic in [z/OS UNIX System Services Messages and Codes](#). Correct the problem as indicated and resubmit the job.

## Source

Storage Management Subsystem (SMS)

## Module

IGDDSP01

## Routing code

2

## Descriptor code

4

---

**IGD07902I**

**INVALID DISPOSITION SPECIFIED FOR OPENMVS FILE,  
FILENAME=*filename***

## Explanation

The valid dispositions for a z/OS UNIX file are KEEP and DELETE. SMS was called by disposition processing with a disposition specified other than KEEP or DELETE.

## System action

The job fails.

## Programmer response

Probable system error. Contact your programming support personnel.

## Source

Storage Management Subsystem (SMS)

## Module

IGDDSP01

## Routing code

2

## Descriptor code

4

---

**IGD11100I**

**MUTUALLY EXCLUSIVE KEY WORD AND KEY WORD VALUE - THE  
'RECFM' KEY WORD CANNOT BE SPECIFIED WITH THE {'KS'|'ES'|'RR'|  
'LS'} VALUE OF THE 'RECORD' KEY WORD**

## Explanation

A job statement or dynamic allocation request attempted to specify the 'RECFM' keyword with one of the following values on the 'RECORD' keyword:

- KS - key sequence VSAM data set
- ES - entry sequence VSAM data set
- RR - relative record VSAM data set
- LS - linear space VSAM data set

The 'RECFM' keyword applies only to non-VSAM data sets, whereas the KS, ES, RR, and LS 'RECORD' values apply only to VSAM data sets.

## System action

The job or request fails.



## Programmer response

Change the 'RECORG' value on the job statement or dynamic allocation request; then resubmit the job or retry the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD11100I</b> | <b>AN ERROR HAS OCCURRED IN IEFSJRTE PROCESSING WHICH<br/>CAUSED SMS TO TERMINATE THE FUNCTION</b> |
|------------------|--|

---

## Explanation

SMS invoked the scheduler JCL facility. The scheduler JCL facility returned an error which caused SMS to end interpreter/dynamic allocation exit processing.

## System action

The job or request fails.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD11101I</b> | <b>MUTUALLY EXCLUSIVE KEY WORD AND KEY WORD VALUE - THE<br/>'DSNTYPE' KEYWORD CANNOT BE SPECIFIED WITH THE {'KT' 'ES' <br/>'RR' 'LS'} VALUE OF THE 'RECORG' KEY WORD</b> |
|------------------|--|

---

## Explanation

A job statement or dynamic allocation request attempted to specify 'DSNTYPE' with one of the following values on the 'RECORG' keyword:

- KS - key sequence VSAM data set
- ES - entry sequence VSAM data set
- RR - relative record VSAM data set
- LS - linear space VSAM data set

The 'DSNTYPE' keyword applies only to non-VSAM data sets, whereas the KS, ES, RR, and LS values apply only to VSAM data sets.

### System action

The job or request fails.

### System programmer response

Change the 'RECORG' value on the job statement or allocation request; then resubmit the job or retry the request.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |   |
|-----------|---|
| IGD11102I | THE SPECIFIED VERSION NUMBER <i>num</i> IS NOT SUPPORTED FOR DSNTYPE <i>type</i>   THE SPECIFIED VERSION NUMBER <i>num</i> IS NOT SUPPORTED FOR UNSPECIFIED DSNTYPE |
|-----------|---|

### Explanation

Currently, DFSMSdfp supports the version numbers 1 and 2 on DSNTYPE keyword. The version number 2 is valid only with the data set types of LIBRARY, EXTREQ, and EXTPREF.

In the message text:

#### **num**

A numeric value in the range from 1 to 255.

#### **type**

- BASIC
- EXTPREF
- EXTREQ
- HFS
- LARGE
- LIBRARY
- PDS
- PIPE

See the description of the DSNTYPE parameter in [z/OS MVS JCL Reference](#) for more details on each DSN type.

### System action

The job or request fails.

### Programmer response

Change the version value specified in DSNTYPE keyword on the DD statement or allocation request; then resubmit the job or retry the request.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |   |
|------------------|---|
| <b>IGD11103I</b> | <b>DATA SET <i>dsname</i> WILL BE PROCESSED AS NON-SMS MANAGED<br/>BECAUSE OF MORE THAN 59 SPECIFIC VOLUME SERIAL NUMBERS<br/>SPECIFIED</b> |
|------------------|---|

**Explanation**

Currently, SMS does not support more than 59 specific volume serial numbers specified in the JCL. When detected, SMS will process the data set allocation as non-SMS managed.

In the message text:

**dsname**  
The data set name.

**System action**

The system continues processing.

**Programmer response**

Specify less than 60 volsers in JCL SER field if you don't want SMS to force the data set allocation to be non-SMS managed; then resubmit the job or retry the request.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD14000I</b> | <b>NO SYSTEM IS ELIGIBLE TO PERFORM LOCATES:</b> |
|------------------|--|

**Explanation**

After the message, a heading appears:

|  |
|--|
| <b>VOLUME</b><br><b>S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16</b> |
|--|

Then one or more of the following lines appear:

|   |
|---|
| <b>VOLUME S17</b><br><b>S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32</b> |
|---|

Then the following lines appear:

```

***** LEGEND
*****
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

SYSTEM 1 = sysname  SYSTEM 2 = sysname  SYSTEM 3 = sysname
SYSTEM 4 = sysname  SYSTEM 5 = sysname  SYSTEM 6 = sysname
SYSTEM 7 = sysname  SYSTEM 8 = sysname  SYSTEM 9 = sysname
SYSTEM 10= sysname  SYSTEM 11= sysname  SYSTEM 12= sysname
SYSTEM 13= sysname  SYSTEM 14= sysname  SYSTEM 15= sysname
SYSTEM 16= sysname  SYSTEM 17= sysname  SYSTEM 18= sysname
SYSTEM 19= sysname  SYSTEM 20= sysname  SYSTEM 21= sysname
SYSTEM 22= sysname  SYSTEM 23= sysname  SYSTEM 24= sysname
SYSTEM 25= sysname  SYSTEM 26= sysname  SYSTEM 27= sysname
SYSTEM 28= sysname  SYSTEM 29= sysname  SYSTEM 30= sysname
SYSTEM 31= sysname  SYSTEM 32= sysname

```

A job requested locates, but the storage management subsystem determined that the locates could not be performed. The catalogs required for locate processing reside on SMS managed volumes that are not all defined to one common system.

In the message text:

#### ***sysname***

A system in the current active configuration.

#### ***volser***

The volume serial of an SMS managed volume. There is one *volser* entry for each SMS managed volume that contains a catalog required by the job for locate processing.

#### ***c***

An indication of whether a system can access the volume, as follows:

- ‘E’ if the system is eligible to access the SMS managed volume. In this case, *volser* is defined to the system, and has a storage management subsystem status of ‘ENABLE’, ‘QUIESCED’, ‘QUIESCE (NEW)’, ‘DISABLE’, or ‘DISABLE (NEW)’.
- ‘N’ if the system is not eligible to access the SMS managed volume. In this case, *volser* is not defined to the system.

### **System action**

The system ends the job.

### **Programmer response**

Make sure that all volumes in the display are defined to at least one of the systems in the active configuration. Then you can resubmit the job.

### **Source**

DFSMSdfp

### **Routing code**

2

### **Descriptor code**

4

---

IGD14001I

NO SYSTEM IS ELIGIBLE TO EXECUTE JOB: *text*

### **Explanation**

In the message, *text* is multiple lines as follows.

After the first line, a heading appears:

```
SEQ
TYPE RESNAME S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 SEQ
```

SEQ SGCLE RESNAME S(1-8) SEQ

One or more of the following appears:

```
lin VOL volser c lin
lin SG sname c lin
lin SGCL sname c lin
lin SGCLE
```

```
SEQ TYPE RESNAME S13 S14
S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 SEQ
```

One or more of the following appears:

```
lin VOL volser c lin
lin SG sname c lin
lin SGCL sname c lin
lin SGCLE
```

```
SEQ TYPE RESNAME S25 S26
S27 S28 S29 S30 S31 S32 SEQ
```

One or more of the following appears:

```
lin VOL volser c lin
lin SG sname c lin
lin SGCL sname c lin
lin SGCLE
```

The following appears:

```
*****
LEGEND *****
E = SYSTEM IS ELIGIBLE TO ACCESS SMS VOLUME
N = SYSTEM IS NOT ELIGIBLE TO ACCESS SMS VOLUME

SYSTEM 1 = sysname SYSTEM 2 = sysname SYSTEM 3 = sysname
SYSTEM 4 = sysname SYSTEM 5 = sysname SYSTEM 6 = sysname
SYSTEM 7 = sysname SYSTEM 8 = sysname SYSTEM 9 = sysname
SYSTEM 10= sysname SYSTEM 11= sysname SYSTEM 12= sysname
SYSTEM 13= sysname SYSTEM 14= sysname SYSTEM 15= sysname
SYSTEM 16= sysname SYSTEM 17= sysname SYSTEM 18= sysname
SYSTEM 19= sysname SYSTEM 20= sysname SYSTEM 21= sysname
SYSTEM 22= sysname SYSTEM 23= sysname SYSTEM 24= sysname
SYSTEM 25= sysname SYSTEM 26= sysname SYSTEM 27= sysname
SYSTEM 28= sysname SYSTEM 29= sysname SYSTEM 30= sysname
SYSTEM 31= sysname SYSTEM 32= sysname
```

The storage management subsystem determined that no system could run the job because the SMS managed resources that the job requires are not all defined to one common system.

In the message text:

**lin**

A line number.

**sysname**

A system in the current active configuration. Up to 32 systems may appear in the display, each represented by its own system name.

**volser**

The volume serial of an SMS managed volume that contains a resource required by the job. There is one volume serial entry for each SMS managed volume required by the job. Each volume serial entry is preceded by 'VOL' in the TYPE column.

**sgname**

A storage group required by the job to allocate a new data set. If the job requires a storage group that is not part of a storage group candidate list (SGCL), the storage group name entry for that storage group is preceded by 'SG' in the TYPE column.

However, if the job requires one storage group that is part of an SGCL, that SGCL appears in the display. The first storage group name entry for the SGCL is preceded by 'SGCL' in the TYPE column. A total of 15 storage group name entries may appear for an SGCL; on the line after the last entry, 'SGCLE' appears in the TYPE column.

**c**

An indication of whether a system can access the SMS managed resource, as follows:

- 'E' if the system is eligible to access the SMS managed resource. In this case, the resource is defined to the system, and has a storage management subsystem status of 'ENABLE', 'QUIESCED', 'QUIESCE (NEW)', 'DISABLE', or 'DISABLE (NEW)'.
- 'N' if the system is not eligible to access the SMS managed resource. In this case, the resource is not defined to the system.

If the job requires one storage group in a storage group candidate list, check the display line with the 'SGCLE' for that candidate list. If a system has an 'E' on that line, it has access to the required storage group.

**System action**

The system ends the job.

**Programmer response**

Make sure that all the storage groups required by the job are defined to at least one of the systems in the active configuration. Then you can resubmit the job.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD16001I****REFERENCED DATA SET *dsname* IS NOT CATALOGED****Explanation**

A data set referenced a data set that is not cataloged.

In the message text:

***dsname***

The data set name.

**System action**

The allocation fails.

## Programmer response

If referenced data set *dsname* is the correct data set, determine why it is not cataloged. Then catalog it and resubmit the allocation.

Otherwise, do one of the following when you resubmit the allocation:

- Refer to a data set that has the proper attributes and is cataloged.
- Explicitly specify the proper attributes.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD16002I**

**REFERENCING DATA SET *dsname* IS NOT CATALOGED**

---

## Explanation

The referencing data set should be an existing SMS managed data set because it refers to an SMS managed data set. All existing SMS managed data sets must be cataloged, but the indicated data set is not.

In the message text:

***dsname***

The data set name.

## System action

The allocation fails.

## Programmer response

If you don't need to refer to a storage management subsystem data set, then refer to a non-SMS data set when you resubmit the allocation. Otherwise, determine why *dsname* is not cataloged, and catalog it before resubmitting the allocation.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD16003I**

**NON-SMS-MANAGED DATA SET *dsn1* REFERENCED SMS-MANAGED  
DATA SET *dsn2***

---

## Explanation

Non-SMS managed data sets cannot refer to SMS managed data sets. However, *dsn1* referred to SMS managed *dsn2*.

In the message text:

### ***dsn1***

A non-SMS-managed data set.

### ***dsn2***

An SMS-managed data set.

## System action

The allocation fails.

## Programmer response

If you don't need to refer to an SMS managed data set, then refer to a non-SMS managed data set when you resubmit the allocation. Otherwise, if you want to refer to *dsn2*, change *dsn1* to an SMS managed data set before you resubmit the allocation.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD16004I**

**DATA SET *dsn1* REFERENCES DATA SET *dsn2* WHICH IS A GDG BASE.**

## Explanation

A VOL=REF was done to a data set which is a generation data group (GDG) base. A VOL=REF to a GDG base is not valid as there are no volumes associated with a GDG base.

In the message text:

### ***dsn1***

The referencing data set.

### ***dsn2***

Contains the names of the referenced data set.

## System action

The allocation fails.

## System programmer response

Do one of the following:

- Correct the VOL=REF so that the data set referenced is not a GDG base.
- Remove the VOL=REF



## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17001I</b> | <b>DUPLICATE DATA SET NAME ON VOLUME <i>volser</i> FOR DATA SET <i>dsname</i></b> |
|------------------|---|

---

## Explanation

The data set could not be created on the specified volume because a data set with the same name already exists on that volume. Duplicate data set names cannot exist on a single volume, whether it is SMS managed or not SMS managed.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

If the *volser* is not SMS managed, the allocation fails. If a non-SMS data set is to be created with UNIT=SYSDA and no specified VOLSER, and there is multiple DASD mounted STORAGE with at least volume containing a non-cataloged version of the data set, the system will then choose another volume and allocation will not fail. If the *volser* is SMS managed, although *volser* was not selected, the allocation continues.

## Programmer response

Determine why the data set already exists on the volume. Then either delete the data set from that volume, or change the name of the data set. If the volume is not SMS managed, you may also select a different volume.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17002I</b> | <b>NO ROOM IN VTOC OR VTOC INDEX ON VOLUME <i>volser</i> FOR DATA SET <i>dsname</i></b> |
|------------------|---|

---

## Explanation

While trying to create a data set, DADSM indicated to SMS VTOC data set services that the VTOC or VTOC index on the volume is full.

In the message text:

***volser***

The volume serial number.

***dsname***

The data set name.

**System action**

Although the volume was not selected, volume selection continues.

**Programmer response**

Reorganize the VTOC or VTOC index on the indicated volume.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD17003I**

**PERMANENT I/O ERROR ON VOLUME *volser* FOR DATA SET *dsn*  
HISTORIC RETURN CODE IS *rc* DADSM DIAGNOSTIC INFORMATION IS  
*cde***

**Explanation**

An I/O error occurred on a volume while the data set was being deleted or renamed.

In the message text:

***volser***

The volume serial number.

***dsname***

The data set name.

***rc***

The return code.

***cde***

Diagnostic information.

**System action**

The delete or rename request fails, and the system writes a record describing the error to the logrec data set.

**System programmer response**

Use the record in the logrec data set, the return code, and the diagnostic information to determine the error.

For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#).

**Source**

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17004I**

**NOT ENOUGH SPACE FOR PDS DIRECTORY ON VOLUME *vol* FOR DATA SET *dsn***

## Explanation

The volume listed in the message did not have enough space in the first extent to contain the directory. The problem was probably caused by extensive fragmentation. The system will select another volume and will retry the allocation request.

In the message text:

***vol***

The volume serial number.

***dsn***

The data set name.

## System action

Processing continues.

## System programmer response

The volume listed in the message is probably heavily fragmented. You may wish to defrag this volume.

## Programmer response

This is an informational message only. No action is required.

## Source

DATA FACILITY PRODUCT (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17006I**

**AVERAGE RECORD LENGTH VALUE EXCEEDS 65535 BYTES FOR DATA SET *dsname***

## Explanation

The average record length specified for the space allocation of the data set exceeds the allowable maximum, which is 65535 bytes.

In the message text:

***dsname***

The data set name.

## System action

The define request for *dsname* fails.

## Programmer response

Correct the average block length that you specified in either the JCL or the data class. Then resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17012I</b> | <b>USER NOT AUTHORIZED TO DEFINE DATA SET <i>dsname</i> DADSM<br/>HISTORIC RETURN CODE IS <i>rc</i> DADSM DIAGNOSTIC INFORMATION IS<br/><i>cde</i></b> |
|------------------|--|

## Explanation

DADSM determined one of the following:

- The user is not authorized to create the data set specified.
- The data set requires a discreet RACF profile, but RACF is not active.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***cde***

Diagnostic information.

## System action

The define request fails.

## Programmer response

For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#). If the return code and the diagnostic information indicate that the user is unauthorized to create the data set, then alter the user's RACF profile to grant authorization. Otherwise, remove the automatic data set protection characteristic from the user's profile.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17014I**

**ZERO SPACE REQUESTED FOR DATA SET *dsname***

---

## Explanation

No primary or secondary space quantity was specified for the allocation of data set *dsname*.

In the message text:

***dsname***

The data set name.

## System action

The allocation of the data set fails.

## System programmer response

Either specify space for the allocation or ensure that a data class is assigned to the data set to provide space parameters.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17036I**

**DIRECTORY SPACE BEING REQUESTED IS GREATER THAN PRIMARY SPACE FOR DATA SET *dsname***

---

## Explanation

During the allocation of data set *dsname*, the system found that the space requested exceeded the primary space available.

In the message text:

***dsname***

The data set name.

## System action

The system fails the allocation of the data set.

## Programmer response

Either reduce the directory space or increase the primary space. Submit the job again.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD17037I

DADSM INSTALLATION EXIT REJECTED THIS REQUEST WITH A RC8.

## Explanation

The DADSM installation exit rejected a selection request for a volume.

## System action

The system fails the allocation.

## Programmer response

Determine the reason for the rejection. Modification of the installation exit may be required.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD17038I

THE DADSM INSTALLATION EXIT REJECTED *n* VOLUMES WITH A  
RETURN CODE OF 4 FOR DATA SET *dsname*

## Explanation

The DADSM installation exit rejected one or more volumes that were deemed eligible for selection in all other respects.

In the message text:

*n*

The number of volumes that were rejected by the DADSM installation exit.

*dsname*

The data set name.

## System action

Although volumes were rejected, volume selection continues.

## Programmer response

Determine why volumes were rejected by the DADSM installation exit. You might need to modify the exit.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17039I**

**ALLOCATION FAILED FOR DATA SET *dsname*, THE SYSTEM NO LONGER SUPPORTS CREATION OF INDEXED SEQUENTIAL DATA SETS.**

## Explanation

You tried to create an indexed sequential (ISAM) data set. SMS handled this request for a non-SMS volume. If SMS were not running, you would have seen message IEC614I. As of z/OS 1.7, the system no longer supports creation or opening of indexed sequential data sets.

In the message text:

***dsname***

The data set name.

## System action

The request to create the data set fails.

## Operator response

None.

## System programmer response

None

## Programmer response

Use an earlier level of the system to convert the data set to another type and change the programs that use the data set. For example, convert the data set to VSAM and change the programs that use the data set to use the ISAM interface to a VSAM data set (See [z/OS DFSMS Using Data Sets](#)), or use native VSAM.

## Source

DFSMSdfp

---

**IGD17040I**

**ERROR IN DADSM PROCESSING ON VOLUME *volser* FOR DATA SET *dsname* HISTORIC RETURN CODE IS *rc* DIAGNOSTIC INFORMATION IS *cde***

## Explanation

SMS VTOC data set services received an unexpected return code from DADSM.

In the message text:

***volser***

The volume serial number.

***dsname***

The data set name.

***rc***

The return code.

**cde**

Diagnostic information.

## System action

The request involving the data set fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error.

For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17042I**

**EXPIRATION DATE FOR DATA SET (*dsname* WAS OVERRIDDEN DURING DELETE PROCESSING**

## Explanation

Expiration date was overridden when deleting the data set.

- Existing Data Sets
  - The message indicates that this was an unexpired data set but was deleted based on a user specified parameter OVRD\_EXPDT(YES) in member IGDSMSxx in SYS1.PARMLIB.
- New Data Sets:
  - A new data set is deleted at the end of the step even though a retention period or expiration date is also specified. If the DD statement contains DISP=(NEW,DELETE) or DISP parameter is omitted to default to NEW and DELETE, the system deletes the data set when the step terminates normally or abnormally, even though an expiration/retention date is also specified.

The message indicates that this was an unexpired data set but was deleted based on a user specified parameter OVRD\_EXPDT(YES) in member IGDSMSxx in SYS1.PARMLIB.

In the message text:

***dsname***

The data set name

## System action

The system continues processing.

## Programmer response

This is an informational message. Delete processing continues.



## Source

Data Facility Product (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17044I****INVALID PARAMETER LIST SUPPLIED FOR *dsname***

---

## Explanation

SMS invoked DADSM, and DADSM found that the parameter list passed to it was incorrect.

In the message text:

***dsname***

The data set name.

## System action

The allocation of the data set fails.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

DFSMSdfp

---

**IGD17045I****SPACE NOT SPECIFIED FOR ALLOCATION OF DATA SET *dsname***

---

## Explanation

No space was specified on the JCL or in the data class for the allocation of the data set.

In the message text:

***dsname***

The data set name.

## System action

The allocation fails.

## Programmer response

Correct the space specification in either the JCL DEFINE statement or in the data class. Then resubmit the allocation request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17046I</b> | <b>UNEXPECTED DADSM RETURN CODE FOR DATA SET <i>dsname</i> RETURN CODE IS <i>rc</i></b> |
|------------------|---|

---

## Explanation

DADSM returned a code other than 0, 4, 8, 12, or 16 to SMS VTOC data set services.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

## System action

The request fails, and the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set to determine the exact nature of the problem.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17051I</b> | <b>ALLOCATION FAILED FOR DATA SET <i>dsname</i>, REQUESTED SPACE EXCEEDS 65535 16,777,215 TRKS</b> |
|------------------|--|

---

## Explanation

This message is issued only for non-VSAM data sets (both SMS and non-SMS managed) and VSAM datasets not managed by SMS. During allocation of the specified data set, the requested space allocation exceeded the maximum, which is:

- 65,535 tracks for a data set type that does not support this size
- 16,777,215 tracks for DSNTYPE=LARGE (large format sequential data sets)

The system issues this message when the requested space quantity exceeds the maximum allowed on a single volume. Since SMS-managed data sets may be spread over multiple volumes during space constraint relief processing, SMS treats this particular DADSM failure as one that is re-tryable. However, there are some SMS-managed allocations that cannot be spread over multiple volumes. In these cases, SMS issues IGD17051I as soon as the error is detected rather than go through a length retry process that will eventually fail anyway. This will apply to non-VSAM SMS-managed data sets only.

Some types of data sets are limited to 65,535 total tracks allocated for each volume. For such data sets, if more than 65,535 total tracks on the target DASD device are required to satisfy the primary space request, the data set creation fails. Refer to the following list for exceptions to the 65,535 tracks rule.

Types of data sets which are not limited to 65,535 total tracks allocated on any one volume are:

- In the message text:

The specified data set name.

The SMS VTOC Data Set Services request fails.

Specify a smaller primary or secondary space quantity.

Reduce the amount of primary or secondary space and resubmit the job.

## Data Facility Product (DFSMS)

## IGDVTSDA

|           |   |
|-----------|---|
| IGD17053I | INVALID DADSM PARAMETER LIST OR VOLUME LIST FOR DATA SET <i>dsn</i><br>HISTORIC RETURN CODE IS <i>rc</i> DIAGNOSTIC INFORMATION IS <i>cde</i> |
|-----------|---|

SMS VTOC data set services passed an incorrect parameter list or volume list to DADSM.

The data set name.

The return code.

**cde**

Diagnostic information.

## System action

The delete or rename request for the data set fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error.

For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#).

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17054I**

**DATA SET NOT FOUND FOR DELETE/RENAME ON VOLUME *volser* DATA SET IS *dsname***

## Explanation

DADSM was unable to locate the data set on the volume.

The name specified on the DSNAME parameter on the JCL might be an alias name. The true name must be specified in DSNAME parameter if the data set is to be deleted.

In the message text:

***dsname***

The data set name.

***volser***

The volume serial number.

## System action

The delete or rename request fails. The system may write a record describing the error to the logrec data set.

## System programmer response

If the data set is not SMS managed, correct the volume specification and retry the request. Otherwise, use the record in the logrec data set to see the volume list passed to DADSM and who built the volume list.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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**IGD17055I**

**PASSWORD DIFFICULTY FOR DELETE/RENAME ON VOLUME *volser*  
DATA SET IS *dsname* HISTORIC RETURN CODE IS *rc* DIAGNOSTIC  
INFORMATION IS *cde***

## Explanation

While trying to delete or rename the data set, DADSM returned an unexpected return code to SMS VTOC data set services. The return code indicates that DADSM encountered password difficulty.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***cde***

Diagnostic information.

## System action

The delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code, and the diagnostic information to determine the error.

For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes](#) in *z/OS DFSMSdfp Diagnosis*.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17056I**

**RENAME FAILED, DUPLICATE DATA SET NAME ON VOLUME *volser* DATA  
SET IS *dsname***

## Explanation

The volume that was specified for the rename request already has a data set with the new name on it.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

The rename request fails.

## Programmer response

Either delete the existing data set, or change the new name to a name other than the indicated data set.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17057I</b> | <b>DELETE FAILED, UNEXPIRED PURGE DATE ON VOLUME <i>volser</i>, FOR<br/>DATA SET <i>dsname</i></b> |
|------------------|--|

## Explanation

The data set could not be deleted because it has not expired. Disposition processing cannot delete an unexpired data set.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

The delete request fails.

## Programmer response

You can delete the data set by specifying the PURGE option for access methods services (AMS) or IEHPROGM.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17058I</b> | <b>DELETE/RENAME FAILED, APPROPRIATE UCB UNAVAILABLE FOR<br/>VOLUME <i>volser</i> DATA SET IS <i>dsname</i> HISTORIC RETURN CODE IS <i>rc</i><br/>DIAGNOSTIC INFORMATION IS <i>cde</i></b> |
|------------------|--|

# Explanation

While trying to delete or rename the data set, DADSM returned an unexpected return code to SMS VTOC data set services. The return code indicates that a UCB is unavailable to delete or rename the data set.

In the message text:

**volser**  
The volume serial number.

**dsname**  
The data set name.

**rc**  
The return code.

**cde**  
Diagnostic information.

# System action

The delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

# System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error. For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#). If you cannot correct the error, contact your programming support personnel.

# Source

DFSMSdfp

# Routing code

2

# Descriptor code

4

|                  |   |
|------------------|---|
| <b>IGD17059I</b> | <b>DELETE/RENAME FAILED, OPERATOR UNABLE TO MOUNT VOLUME<br/>volser DATA SET IS dsname HISTORIC RETURN CODE IS rc<br/>DIAGNOSTIC INFORMATION IS cde</b> |
|------------------|---|

# Explanation

While trying to delete or rename the data set, DADSM returned an unexpected return code to SMS VTOC data set services. The return code indicates that the volume could not be mounted for the delete or rename request.

In the message text:

**volser**  
The volume serial number.

**dsname**  
The data set name.

**rc**  
The return code.

**cde**  
Diagnostic information.

## System action

The delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error. For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#). If you cannot correct the error, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17060I</b> | <b>DELETE/RENAME FAILED BECAUSE DATA SET IS OPEN ON VOLUME<br/><i>volser</i> DATA SET IS <i>dsname</i></b> |
|------------------|--|

## Explanation

The data set cannot be deleted or renamed because it is currently in use.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

The delete or rename request fails.

## Programmer response

Resubmit the request later.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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|                  |  |
|------------------|--|
| <b>IGD17061I</b> | <b>INSUFFICIENT SECURITY AUTHORIZATION FOR DATA SET <i>dsname</i><br/>ON VOLUME <i>volser</i> HISTORIC RETURN CODE IS <i>rc</i> DIAGNOSTIC<br/>INFORMATION IS <i>cde</i></b> |
|------------------|--|



## Explanation

While trying to delete or rename the data set, DADSM returned an unexpected return code to SMS VTOC data set services. The return code indicates that the user lacks security authorization for the delete or rename request.

In the message text:

***volser***  
The volume serial number.

***dsname***  
The data set name.

***rc***  
The return code.

***cde***  
Diagnostic information.

## System action

The delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error. For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#). If you cannot correct the error, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17062I</b> | <b>DELETE/RENAME FAILED, UNRECOGNIZED DADSM STATUS CODE OF<br/><i>rc</i> DIAGNOSTIC INFORMATION IS <i>cde</i> VOLUME IS <i>volser</i> DATA SET IS<br/><i>dsname</i></b> |
|------------------|---|

## Explanation

SMS VTOC data set services detected an incorrect status byte in the volume list returned by DADSM.

In the message text:

***volser***  
The volume serial number.

***dsname***  
The data set name.

***rc***  
The return code.

***cde***  
Diagnostic information.

## System action

The delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## Programmer response

Probable system error. Contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17065I</b> | <b>UNRECOGNIZED DADSM HISTORIC RETURN CODE OF <i>rc</i> DIAGNOSTIC INFORMATION IS <i>cde</i> DATA SET IS <i>dsname</i></b> |
|------------------|--|

## Explanation

DADSM returned an unrecognized historic return code to SMS VTOC data set services.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***cde***

Diagnostic information.

## System action

The request fails, and the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set, the return code and the diagnostic information to determine the error. For an explanation of the return code and diagnostic information, see [DADSM return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#). If you cannot correct the error, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17066I</b> | <b>UNABLE TO UPDATE LAST VOLUME INDICATOR, DIAGNOSTIC INFORMATION IS <i>cde</i> DATA SET IS <i>dsname</i></b> |
|------------------|---|

## Explanation

While extending to the data set, an attempt was made to update the last volume indicator on the Format 1 DSCB; that attempt failed.

In the message text:

***dsname***

The data set name.

***cde***

Diagnostic information.

## System action

The request fails, and the system writes a record describing the error to the logrec data set.

## System programmer response

Use the record in the logrec data set and the diagnostic information to determine the error. Use [\*z/OS DFSMSdfp Diagnosis\*](#) to determine the meaning of the DADSM diagnostic information. If you cannot correct the error, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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|                  |  |
|------------------|--|
| <b>IGD17067I</b> | <b>ERROR CONVERTING TTR TO CCHHR USING RESIDENT SYSTEM<br/>CONVERSION ROUTINE DURING ALLOCATION OF DATA SET <i>dsname</i><br/>DIAGNOSTIC INFORMATION <i>diaginfo</i></b> |
|------------------|--|

## Explanation

While DADSM was attempting to write the end-of-file mark, it encountered an error converting the TTR for the data set.

***dsname***

The data set name

***diaginfo***

DADSM diagnostic information

## System action

The allocation fails.

## System programmer response

Contact the IBM support center.

## Programmer response

Probable system error. Determine the meaning of the DADSM diagnostic information and contact your programming support personnel.

## Source

Storage Management Subsystem (SMS)

## Module

IGDVTSDA

## Routing code

2

## Descriptor code

4

---

**IGD17068I**

**I/O ERROR WAS ENCOUNTERED WHILE ATTEMPTING TO WRITE AN  
EOF MARK ON VOLUME *volser* FOR DATA SET *dsname* DIAGNOSTIC  
INFORMATION *diaginfo***

## Explanation

While DADSM was attempting to write the end-of-file mark, it encountered an I/O error.

### ***volser***

volume serial

### ***dsname***

The data set name

### ***diaginfo***

DADSM diagnostic information

## System action

The allocation fails.

## System programmer response

Contact the IBM support center.

## Programmer response

Probable system error. Determine the meaning of the DADSM diagnostic information and contact your programming support personnel.

## Source

Storage Management Subsystem (SMS)

## Module

IGDVTSDA

## Routing code

2

## Descriptor code

4

**Explanation**

The system created a new SMS-managed extended format data set.

In the message text:

***dsname***

The data set name

***n***

The number of stripes.

**System action**

The system continues processing.

**Source**

DFSMSdfp

**Module**

IGDVTSCR

**Routing code**

2

**Descriptor code**

4

**Explanation**

The system did not allocate a new, SMS-managed, extended format data set.

In the message text:

***dsname***

The data set name.

**System action**

The system either fails the allocation request or attempts to allocate the data set in non-extended format.

**Programmer response**

See any accompanying IGD1707x messages for more information.

**Source**

DFSMSdfp

**Module**

IGDVTSTR

**Routing code**

2

**Descriptor code**

4

---

**IGD17072I****REQUIRED STRIPING CONDITION COULD NOT BE MET.****Explanation**

DSNTYPE=(EXTENDED,REQUIRED) was specified, but SMS could not allocate an extended format data set.

**System action**

The system fails the allocation request.

**Programmer response**

See any accompanying IGD1707x messages for more information.

**Source**

DFSMSdfp

**Module**

IGDVTSTR

**Routing code**

2

**Descriptor code**

4

---

**IGD17073I****ALLOCATION AS A NON-EXTENDED FORMAT DATASET WILL BE  
ATTEMPTED****Explanation**

DSNTYPE=(EXTENDED,PREFERRED) was specified, but SMS could not allocate an extended format data set.

**System action**

The system continues processing.

**Programmer response**

See [z/OS DFSMSdfp Storage Administration](#) for more information about extended format data set requirements.

**Source**

DFSMSdfp

**Module**

IGDVTSTR

**Routing code**

2

**Descriptor code**

4

---

**IGD17074I****GUARANTEED SPACE VOLUME LIST WAS INVALID.**

---

**Explanation**

In the volume list passed to SMS, SMS could not find one or more volumes in the assigned storage group.

**System action**

If DSNTYPE=(EXTENDED,REQUIRED) was specified, the system fails the allocation request. If DSNTYPE=(EXTENDED,PREFERRED) was specified, the system attempts to allocate the data set as non-extended sequential.

**Programmer response**

Ensure that either:

- All the volumes in the volume list passed to SMS are in the same storage group
- The correct storage group is being assigned.

**Source**

DFSMSdfp

**Module**

IGDVTSTR

**Routing code**

2

**Descriptor code**

4

---

**IGD17075I****DATASET ORGANIZATION FOR AN EXTENDED SEQUENTIAL DATASET  
MUST BE PHYSICAL SEQUENTIAL.**

---

**Explanation**

The data set being allocated in extended sequential format did not have a data set organization of physical sequential.

## System action

If DSNTYPE=(EXTENDED,REQUIRED) was specified, the system fails the allocation request. If DSNTYPE=(EXTENDED,PREFERRED) was specified, the system attempts to allocate the data set as non-extended sequential.

## Programmer response

Ensure that the data set organization either specified or derived for the data set is physical sequential.

## Source

DFSMSdfp

## Module

IGDVTSTR

## Routing code

2

## Descriptor code

4

---

**IGD17076I**

**EXTENDED FORMAT DATASETS CANNOT BE UNMANAGED.**

## Explanation

The data set being allocated in the extended format was not SMS-managed.

## System action

The allocation is failed.

## Programmer response

Ensure that the data set being allocated in the extended format is SMS-managed.

## Source

DFSMSdfp

## Module

IGDVTSCR

## Routing code

2

## Descriptor code

4

---

**IGD17077I**

**AN ERROR HAS OCCURRED IN THE STORAGE GROUP/VOLUME  
SELECTION PROCESS.**



## Explanation

SMS was unable to select a suitable storage group or eligible volumes for an extended format data set.

## System action

If DSNTYPE=(EXTENDED,REQUIRED) was specified, the system fails the allocation request. If DSNTYPE=(EXTENDED,PREFERRED) was specified, the system attempts to allocate the data set as non-extended sequential.

## Programmer response

See the [z/OS DFSMSdfp Storage Administration](#) for more information about extended format data set requirements.

## Source

DFSMSdfp

## Module

IGDVTSTR

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17080I</b> | <b>DATA SET <i>dsname</i> IS NOT ELIGIBLE FOR EXTENDED FORMAT.<br/>ALLOCATION AS NON-EXTENDED CONTINUES</b> |
|------------------|---|

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## Explanation

During creation of SMS managed data set *dsname*, SMS VTOC data set services determined that the data set could not be created as an extended format data set because of one of the following:

- The data set is a keyrange data set.
- The data set is a VSAM temporary data set.

## System action

The system ignores the extended format request and continues processing.

## Source

Storage management subsystem (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17098I</b> | <b>DATA SET <i>dsname</i> NOT RENAMED BECAUSE VOLUME (<i>volser</i>) IS READ-ONLY</b> |
|------------------|---|

---

## Explanation

The volume on which the data set resides is read-only to the storage management subsystem at the time of a rename request.

In the message text:

***dsname***

The data set name.

***volser***

The read-only volume serial number.

**System action:**

The rename request fails.

**Programmer response**

If the volume is read-only, configure the volume with read/write access, or deny the rename request.

**Source**

Storage Management Subsystem (SMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17099I**

**DATA SET *dsname* NOT DELETED BECAUSE VOLUME (*volser*) IS READ-ONLY**

**Explanation**

The volume on which the data set resides is read-only to the storage management subsystem at the time of a rename request.

In the message text:

***dsname***

The data set name.

***volser***

The read-only volume serial number.

**System action:**

The delete request fails.

**Programmer response**

If the volume is read-only, configure the volume with read/write access, or deny the delete request.

**Source**

Storage Management Subsystem (SMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17100I**

**UNEXPECTED CATALOG ERROR FOR DATA SET *dsname* RETURN CODE IS *rc* REASON CODE IS *rsnc* IGG0CLxx**

## Explanation

Because of a catalog error or exceptional condition, a catalog management module returned the return code and reason code specified.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17101I</b> | <b>DATA SET <i>dsname</i> NOT DEFINED BECAUSE DUPLICATE NAME EXISTS<br/>IN CATALOG RETURN CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i> IGG0CLxx</b> |
|------------------|---|

## Explanation

Because the data set already exists in the catalog, the catalog management module returned a return code and a reason code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Either rename the data set in the catalog, or specify a different name for the data set being defined. Then rerun the job.

See system message IDC3009I for an explanation of the catalog return and reason codes. Use the error record from the logrec data set for more information to correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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|                  |  |
|------------------|--|
| <b>IGD17102I</b> | <b>CATALOG ERROR IN DEFINING NONVSAM DATA SET <i>dsname</i> RETURN<br/>CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i> IGG0CLxx</b> |
|------------------|--|

## Explanation

Because of a catalog error or exceptional condition while trying to define a non-VSAM data set, catalog management returned a return code and a reason code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services define request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

## Explanation

Because of a catalog error or exceptional condition while trying to define a VSAM data set, catalog management returned a return code and a reason code.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services define request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

## Explanation

Because of a catalog error or exceptional condition while trying to rename a data set, catalog management returned a return code and a reason code.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services rename request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17105I</b> | <b>CATALOG ERROR WHILE DELETING DATA SET <i>dsname</i> RETURN CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i> IGG0CLxx</b> |
|------------------|---|

## Explanation

Because of a catalog error or exceptional condition while trying to delete a data set, catalog management returned a return code and a reason code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services delete request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17106I**

**CATALOG LOCATE ERROR FOR DATA SET *dsname* RETURN CODE IS *rc*  
REASON CODE IS *rsnc* IGG0CLxx**

## Explanation

Because of a catalog error or exceptional condition while trying to locate a data set, catalog management returned a return code and a reason code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services locate request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17107I**

**UNEXPECTED RETURN CODE FROM CATALOG WHILE UPDATING  
VOLUME LIST FOR DATA SET *dsname* RETURN CODE IS *rc* REASON  
CODE IS *rsnc* IGG0CLxx**

## Explanation

When SMS VTOC data set services tried to update the volume list in the catalog for an SMS managed data set, either a catalog error occurred or an exceptional condition was detected. Catalog management returned a return code and a reason code. This message can appear at extend time, or at define time for a DISP=MOD request.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

***rsnc***

The reason code.

**System action**

The SMS VTOC data set services alter or update request fails. Also, the system writes a record describing the error to the logrec data set.

**System programmer response**

See message IDC3009I for an explanation of the catalog return and reason codes. Use the record in the logrec data set if you still cannot correct the error.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD17110I****CATALOG COULD NOT LOCATE DATA SET *dsname*****Explanation**

During VOL=REF processing for the data set, SMS VTOC data set services issued a locate request that was unsuccessful. The request fails because the data set does not exist in the catalog.

In the message text:

***dsname***

The data set name.

**System action**

The SMS VTOC data set services locate request fails.

**Programmer response**

Correct the data set name in the VOL=REF reference, and rerun the job.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

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**IGD17112I****EXPIRATION DATE RESET BY CATALOG FOR DATA SET *dsname***



## Explanation

Catalog management reset the expiration date for the data set. The expiration date now meets the criteria specified in the management class for the data set.

In the message text:

***dsname***

The data set name.

## System action

The system continues processing.

## Programmer response

If the expiration date set by catalog is unacceptable, either change the retention period in the management class or select a different management class for the data set name.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17116I**

**DATA COMPONENT NAME NOT RETURNED FOR DATA SET *dsname***

## Explanation

While trying to get the data set name of the data component for the VSAM cluster data set, SMS VTOC data set services detected an unsuccessful test/data catalog field parameter list.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails. Also, the system writes the catalog parameter list and its associated field parameter to the logrec data set.

## System programmer response

Use the information in the logrec data set to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17118I**

**REFERENCED DATA SET *dsname* IS NOT A NONVSAM DATA SET OR A VSAM CLUSTER**

## Explanation

The user referred to the data set through the LIKE keyword. However, the data set is not a non-VSAM data set or a VSAM cluster.

### *dsname*

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Correct the LIKE specification and rerun the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17150I**

**DATA SET *dsname* IS ELIGIBLE FOR ACCESS METHOD ENCRYPTION  
KEY LABEL IS (*key\_label*)**

## Explanation

SMS VTOC data set services has determined that the data set *dsname* is eligible for access method encryption, which can be requested through one of the following (in order of precedence):

- DATAKEY(*key\_label*) in DFP segment in RACF data set profile
- JCL and dynamic allocation keyword, DSKEYLBL=*key\_label*
- Parameter, Key Label, in the Data Class

### *dsname*

The data set name

### *key\_label*

The key label for encryption

## System action

The system continues processing.

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

4

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|                  |   |
|------------------|---|
| <b>IGD17151I</b> | <b>ALLOCATION FAILED FOR DATA SET <i>dsname</i> BECAUSE A KEY LABEL IS SPECIFIED FOR <i>rsntxt</i>.</b> |
|------------------|---|

---

## Explanation

SMS VTOC data set services has detected that a data set level key label is specified for an unsupported DASD data set type. For SMS-managed data set type: library (PDSE), large format, and basic format, in addition to message IGD17151I, message IGD17157I is also issued.

z/OS supports data set level key labels for the following data set types:

- Extended format (VSAM and sequential)
- Library (PDSE) if STGADMIN.SMS.ALLOW.PDSE.ENCRIPT is defined
- Large format if STGADMIN.SMS.ALLOW.DATASET.SEQ.ENCRIPT is defined.
- Basic format if STGADMIN.SMS.ALLOW.DATASET.SEQ.ENCRIPT is defined. An exception is that temporary data sets cannot be encrypted. These are data sets that begin with an ampersand.

Data set level key label can come from:

- DATAKEY(key\_label) in DFP segment in RACF data set profile
- JCL and dynamic allocation keyword, DSKEYLBL=key\_label, and IDCAMS DEFINE parameter, KEYLABEL
- Parameter, Key Label, in the Data Class

In the message text:

### ***dsname***

The data set name

### ***rsntxt***

Can be one of the following:

- AN UNSUPPORTED DATA SET TYPE
- A NON-SMS MANAGED DATA SET
- A DIRECT (BDAM) DATA SET
- A TEMPORARY DATA SET

## System action

The data set allocation fails.

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

4

---

**IGD17152I****EXTENDED FORMAT REQUEST WAS UPGRADED FROM PREFERRED TO REQUIRED FOR DATA SET *dsname* TO MEET ACCESS METHOD ENCRYPTION REQUIREMENT.****Explanation**

SMS VTOC data set services has determined that an extended-format request with a data set level key label specified, is upgraded from preferred to required, because Access Method Encryption supports extended-format data sets only.

***dsname***

The data set name

**System action**

The data set allocation continues.

**Source**

Storage management subsystem (SMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17153I****ALLOCATION FAILED FOR DATA SET *dsn* BECAUSE THE TARGET STRIPE COUNT (*n*) COULD NOT BE MET FOR VSAM ENCRYPTION REQUEST.****Explanation**

This is a failure message issued by SMS when restoring/copying a data set from the encrypted data set. SMS was not able to allocate the target data set to the requested stripe count.

***dsn***

The data set name

***n***

Target stripe count requested by the caller

**System action**

Processing stops.

**Source**

Data Facility Product (DFSMS)

---

**IGD17154I****ALLOCATION FAILED FOR DATA SET *dsname* BECAUSE *rsntext*****Explanation**

SMS VTOC data set services has failed allocation of the data set on V2R1 systems because a data set key label was found in one of the following:

- Data set RACF profile.
- Data class derived for the data set

*rsntext* Can be one of the following text:

- THE DATA SET KEY LABEL WAS SPECIFIED IN DATA SET RACF PROFILE
- THE DATA SET KEY LABEL WAS SPECIFIED IN DATA CLASS (*dcname*)

***dsname***

The data set name

***dcname***

The data class name that has data set key label specified.

**System action**

Processing stops.

**Source**

Storage Management Subsystem (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17155I</b> | <b>ALLOCATION FAILED FOR ENCRYPTED DATA SET dsn DUE<br/>TO INSUFFICIENT AUTHORITY TO FACILITY CLASS RESOURCE<br/>STGADMIN.SMS.ALLOW.DATASET.ENCRYPT</b> |
|------------------|---|

---

**Explanation**

An attempt was made to allocate an encrypted data set by supplying a data set key label via JCL DSKEYLBL or SMS data class data set key label. However, SMS detected that the user did not have at least READ authority to the resource STGADMIN.SMS.ALLOW.DATASET.ENCRYPT in the FACILITY class and the DFP segment of the RACF data set profile did not specify a key label.

***dsname***

The data set name

**System action**

Processing stops.

**Source**

Storage Management Subsystem (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17156I</b> | <b>KEY LABEL IS IGNORED BECAUSE DATA SET TYPE IS NOT SUPPORTED<br/>FOR ENCRYPTION. ALLOCATION CONTINUES</b> |
|------------------|---|

---

**Explanation**

: An encryption key label is specified for a data set but it is ignored since the data set is not extended format. If an encryption key label is specified for a DASD data set that is not extended format, the user has the option to allow the allocation to succeed with an informational message IGD17156I (default behavior) or to fail. To cause the request to fail, the user must have at least READ authority to the following resource in the FACILITY class: STGADMIN.SMS.FAIL.INVALID.DSNTYPE.ENC. If the facility class resource does not exist or the user does not have at least READ authority to the resource, the key label is ignored and the data set is successfully created as non-encrypted non-extended format data set. In addition, IGD17156I is issued

***dsname***

The data set name

**System action**

Processing stops.

## Source

Data Facility Product (DFSMS)

**IGD17157I**

**DSNTYPE *type* IS NOT A SUPPORTED DATA SET TYPE FOR *function*  
BECAUSE *facility* IS NOT DEFINED**

## Explanation

An attempt was made to allocate an encrypted *type* data set by supplying a data set key label by using JCL DSKEYLBL or SMS data class data set key label. SMS detected that the related RACF facility class resource *facility* is not defined to the system, and the user has at least READ access to the resource STGADMIN.SMS.FAIL.INVALID.DSNTYPE.ENC.

Or, an attempt was made to allocate a compressed *type* data set by specifying a data class with compaction attribute set to YES. SMS detected that the related RACF facility class resource *facility* is not defined to the system.

**Note:** The facility class must be defined as a discrete class, and cannot be covered by a generic class name.

In the message text:

### *type*

The data set name type. The possible values are:

- BASIC
- LARGE
- LIBRARY

### *facility*

The RACF facility class name. The possible values are:

- STGADMIN.SMS.ALLOW.DATASET.SEQ.ENCRYPT
- STGADMIN.SMS.ALLOW.PDSE.ENCRYPT
- STGADMIN.SMS.ALLOW.PDSE.COMPACT

### *function*

The function request. The possible values are:

- ENCRYPTION
- COMPRESSION

## System action

Processing stops.

## Source

Storage Management Subsystem (SMS)

**IGD17160I**

**DATA SET *dsname* IS ELIGIBLE FOR COMPRESSION**

## Explanation

SMS VTOC data set services has determined that the data set *dsname* is eligible for compression.

## System action

The system continues processing.

**Source**

Storage management subsystem (SMS)

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17161I</b> | <b>RETURN CODE (<i>rc</i>) REASON CODE (<i>rsnc</i>) RECEIVED FROM<br/>COMPRESSION SERVICES WHILE PROCESSING DATA SET <i>dsname</i>,<br/>COMPRESSION REQUEST NOT HONORED BECAUSE COMPRESSION<br/>SERVICES IS NOT AVAILABLE, ALLOCATION CONTINUES</b> |
|------------------|--|

**Explanation**

During creation of SMS managed data set *dsname*, SMS VTOC data set services called compression services to determine whether the compression attribute is warranted. Compression services, however, is not available on this system.

In the message text:

- rc***  
The compression services return code.
- rsnc***  
The compression services reason code.
- dsname***  
The specified data set.

**System action**

The system ignores the compression request and continues processing.

**Programmer response**

Contact your programming support personnel to determine compression services availability.

**Source**

Storage management subsystem (SMS)

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17162I</b> | <b>RETURN CODE (<i>rc</i>) REASON CODE (<i>rsnc</i>) RECEIVED FROM<br/>COMPRESSION SERVICES WHILE PROCESSING DATA SET <i>dsname</i>,<br/>COMPRESSION REQUEST NOT HONORED BECAUSE DATA SET<br/>CHARACTERISTICS DO NOT MEET COMPRESSION CRITERIA,<br/>ALLOCATION CONTINUES</b> |
|------------------|--|

## Explanation

During creation of SMS-managed data set *dsname*, SMS VTOC data set services called compression services to determine whether the compression attribute is warranted. Compression services indicated that the data set characteristics did not satisfy compression criteria.

In the message text:

### ***rc***

The compression services return code.

### ***rsnc***

The compression services reason code.

### ***dsname***

The specified data set.

## System action

The system ignores the compression request and continues processing.

## Programmer response

Correct the data set so that the characteristics match those required for compression.

These are the meanings of the return and reason codes, in hexadecimal:

| Table 2. Meanings of Return and Reason Codes |             |  |
|--|-------------|--|
| Return Code                                  | Reason Code | Meaning  |
| 08   | 5Fxx0821    | DFSMS Compression services are not available on this system. Contact the system programmer and ensure that SMS was started. See message CMP003E.   |
| 0C   | 5Fxx083E    | The type of data set does not support compressed format. Only extended format sequential and extended format VSAM data sets can be compressed format.  |
|  | 5Fxx083F    | The data set size estimate is not large enough to justify compression. The primary space is less than 5 MB (8 MB if there is no secondary space request) or the record length is less than 40. For VSAM, the primary space requirement applies to the data component and the minimum record length excludes the key offset and the key length. |
|  | 5Fxx0840    | The VSAM CI is not large enough. If records are not spanned, the CI must be at least ten bytes longer than the maximum record length. If records are spanned, the CI must be at least 15 bytes longer than key offset plus length.   |

For more information about these return and reason codes, see the Compression Services chapter in [z/OS DFSMSdfp Diagnosis](#).

## Source

Storage management subsystem (SMS)

## Routing code

2

## Descriptor code

4



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**IGD17163I****COMPRESSION REQUEST NOT HONORED FOR DATA SET *dsname*  
BECAUSE DATA SET CHARACTERISTICS DO NOT MEET COMPRESSION  
CRITERIA, ALLOCATION CONTINUES**

### Explanation

During creation of data set *dsname*, SMS VTOC data set services determines that data set *dsname* does not meet compression criteria and becomes ineligible for compression. Note that this determination was not made by compression services but by SMS for one of the following reasons:

- The data set is not in extended format, which is required for compression.
- The data set is a VSAM extend format data set, but not in key-sequenced.
- The data set is an AIX®, which cannot be compressed.
- The data set is a temporary data set.
- The data set is an uncataloged data set.
- The data set is a master catalog or a user catalog.

### System action

The system ignores the compression request and continues processing.

### Programmer response

If the data set does not need to be compressed, no action is necessary. If the data set must be compressed, then ensure that the data set characteristics meet compression criteria, delete the allocated data set and resubmit the request.

### Source

Storage management subsystem (SMS)

### Routing code

2

### Descriptor code

4

---

**IGD17164I****COMPRESSION REQUEST NOT HONORED BY CATALOG FOR DATA SET  
*dsname*, CATALOG RETURN CODE IS (*rc*) REASON CODE IS (*rsnc*),  
ALLOCATION CONTINUES**

### Explanation

During creation of data set *dsname*, catalog management determined that the data set is not eligible for compression.

In the message text:

***dsname***

The specified data set.

***rc***

The catalog management return code.

***rsnc***

The catalog management reason code.

## System action

The system ignores the compression request and continues processing.

## Programmer response

If the data set does not need to be compression, no action is required. If the data set must be compressed, then ensure that the data set characteristics meet compression criteria, delete the allocated data set and resubmit the request.

## Source

### Storage management subsystem (SMS)

## Routing code

2

### Descriptor code

4

**IGD17165I** MULTI-VOLUME TEMPORARY DATA SET *dsname* WILL NOT BE STRIPED.

### Explanation

It is not possible to allocate a multi-volume temporary data set in extended format. Due to technical reasons, it is not possible to create an NVR (non-VSAM volume record) for temporary data sets and the NVR contains crucial information for extended format and compressed data sets.

In the message text:

***dsname***

The specified data set name.

## System action

The data set is allocated in non-extended format.

## Programmer response

This is an informational message. Allocation continues.

## Source

## Data Facility Product (DFSMS)

## Routing code

2

### Descriptor code

4

|           |   |
|-----------|---|
| IGD17167I | CALL TO VERIFY zEDC AVAILABILITY (ZEDC_CHECK) RETURNED WITH<br>ZEDC_RC(rc1) ZEDC_RSN(rsn1) DIAG_RC(rc2) DIAG_RSN(rsn2) DATA<br>SET IS dsn |
|-----------|---|

### Explanation

The call to check for zEDC availability on the system (ZEDC\_CHECK) returned with a nonzero return code.

If the ZEDC\_RC is 12, it indicates that an auxiliary service called by ZEDC\_CHECK failed and that the DIAG\_RC and DIAG\_RSN will provide further information on which auxiliary service failed and why.

If the ZEDC\_RC is 4 or 8, it will be accompanied by a ZEDC\_RSN and the combination will indicate what the failure is.

In the message text:

***rc1***

Return code from ZEDC\_CHECK.

***rsn1***

Reason code from ZEDC\_CHECK.

***rc2***

Return code from auxiliary service called by ZEDC\_CHECK (like GETMAIN).

***rsn2***

Reason code from auxiliary service called by ZEDC\_CHECK.

***dsn***

Name of the data set being allocated.

### System action

Processing continues.

### Programmer response

Refer to subsequent messages for system action.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|           |  |
|-----------|--|
| IGD17168I | COMPRESSION TYPE ZEDC_R IS REQUESTED. ALLOCATION FAILED<br>FOR DATA SET <i>dsn</i> |
|-----------|--|

### Explanation

The message will always be preceded by an IGD17167I message, which will indicate that a call to ZEDC\_CHECK encountered a problem. The allocation request specified a compression type of ZEDC\_R and owing to the failure encountered it is not possible to continue with the allocation.

In the message text:

***dsn***

Name of the data set being allocated.

### System action

Allocation failed.

**Programmer response**

Refer to the return and reason codes in the preceding IGD17167I message and take appropriate action. If the situation cannot be corrected, resubmit the allocation request with a different compression type.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17168I</b> | <b>COMPRESSION SERVICES FAILED WITH RC(<i>rc</i>) RSN(<i>rsn</i>).<br/>COMPRESSION TYPE ZEDC_R IS REQUESTED. ALLOCATION FAILED<br/>FOR DATA SET <i>dsn</i></b> |
|------------------|--|

**Explanation**

The call to compression services returned with a nonzero return code. The allocation request specified a compression type of ZEDC\_R and owing to the failure encountered it is not possible to continue with the allocation. A LOGREC entry is cut.

In the message text:

- rc***  
Return code from compression services.
- rsn***  
Reason code from compression services.
- dsn***  
Name of the data set being allocated.

**System action**

Allocation failed.

**Programmer response**

Refer to the LOGREC entry that is cut to obtain the return and reason codes from compression services. The compression services return and reason codes are documented in the [z/OS DFSMSdfp Diagnosis](#).

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17169I</b> | <b>COMPRESSION TYPE (GENERIC   TAILORED   ZEDC_R   ZEDC_P) WAS<br/>REQUESTED. ALLOCATION CONTINUES FOR DATA SET <i>dsn</i></b> |
|------------------|--|

### Explanation

This message may be issued when a call to ZEDC\_CHECK was made and will always be preceded by an IGD17167I message. It is an informational message that indicates that while the call to ZEDC\_CHECK returned a nonzero return code, it is possible to continue with the allocation.

For LIBRARY data sets, this message may be issued when there is the existence of the discrete FACILITY class profile STGADMIN.SMS.ALLOW.PDSE.COMPACT and the compression type is either GENERIC or TAILORED. In this case, message IGD17167I is not issued.

In the message text:

***dsn***

Name of the data set being allocated.

### System action

Allocation continues.

### Programmer response

None.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17170I</b> | <b>EXTENDED ADDRESSABILITY REQUEST NOT HONORED FOR DATA SET <i>dsn</i> BECAUSE DATA SET IS NOT ELIGIBLE FOR EXTENDED FORMAT. ALLOCATION CONTINUES.</b> |
|------------------|--|

### Explanation

During creation of data set *dsn*, SMS VTOC data set services determines that data set *dsname* is not eligible for extended addressability because the data set is not eligible for extended format which is required for extended addressability.

### System action

The extended addressability request is ignored and the system continues processing.

### Programmer response

None required if the data set does not have to be in extended addressability. If the data set must be in extended addressability, then make sure that the data set meet criteria for extended addressability, delete the allocated data set and resubmit the request.

### Routing code

2

## Descriptor code

4

---

**IGD17172I**

**DATA SET (*dsname* IS ELIGIBLE FOR EXTENDED ADDRESSABILITY**

## Explanation

SMS VTOC data set services has determined that the data set is eligible for extended addressability.

In the message text:

***dsname***

The data set name

## System action

The system continues processing.

## Programmer response

This is an informational message. Allocation continues.

## Source

Data Facility Product (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17200I**

**THERE ARE MORE VOLUMES IN THE TIOT THAN IN THE CATALOG FOR  
DATA SET *dsname***

## Explanation

During extend processing for the data set, the TIOT and the CATALOG entry are not synchronized.

In the message text:

***dsname***

The data set name.

## System action

The extend request fails, and the system writes a record describing the error to the logrec data set.

## System programmer response

Use the information in the logrec data set to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |   |
|-----------|---|
| IGD17201I | {DATA CLASS <i>dcname</i>  MANAGEMENT CLASS <i>mcname</i>  STORAGE CLASS <i>scname</i>  STORAGE GROUP <i>sgname</i>  VOLUME <i>volser</i>  CNSPL} DEFINITION NOT FOUND FOR DSN SET <i>dsn</i> |
|-----------|---|

## Explanation

SMS construct access services indicated that one of the following constructs for the data set does not exist in the active configuration or the active configuration is a null configuration. When migrating to a new release for the first time, make sure the SCDS is not null by activating a valid SCDS via the SETSMS command or via ISMF option.

- data class *dcname*
- management class *mcname*
- storage class *scname*
- storage group *sgname*

In the message text:

### ***dcname***

The data class.

### ***mcname***

The management class.

### ***scname***

The storage class.

### ***sgname***

The storage group name.

### ***volser***

The volume serial number.

### ***dsn***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

If you explicitly specified the construct, make sure your specification is correct and resubmit the job. Otherwise, if the construct was supplied by the ACS routines, you may have to modify those routines.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17202I**

**UNEXPECTED RETURN CODE FROM CONSTRUCT ACCESS SERVICES  
FOR DATA SET *dsname* RETURN CODE IS *rc***

## Explanation

While processing a request involving the data set, SMS construct access services returned a unexpected return code to SMS VTOC data set services.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the information in the logrec data set to determine the error. Refer to [z/OS DFSMSdfp Diagnosis](#) for the meaning of the construct access services return code.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17203I**

**VOLUME DEFINITION NOT FOUND FOR ALLOCATION OF DATA SET  
*dsname* DDNAME *ddname***

## Explanation

While trying to allocate the SMS-managed data set, the DDNAME, SMS VTOC data set services could not retrieve a volume definition. In the volume list passed to SMS VTOC data set services, one or more of the volumes might be non-SMS managed volumes.

In the message text:

***dsname***

The data set name.

***ddname***

The specified DDNAME.



## System action

The SMS VTOC data set services allocation request fails. Also, the system writes to the logrec data set a record containing the volume list that SMS VTOC data set services passed to SMS construct access services. The IGD306I message that follows contains the ID of that record.

## Programmer response

If a volume list was explicitly specified for the DDNAME, then correct the volume list and rerun the job. If you did not explicitly specify the volume list, then contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17204I</b> | <b>UNABLE TO ENQUEUE ON DATA SET <i>dsname</i> ENQUEUE RETURN CODE IS <i>rc</i> ENQUEUE REASON CODE IS <i>rsnc</i></b> |
|------------------|--|

## Explanation

SMS VTOC data set services is attempting to convert a VIO data set to a real data set. The functions required for this conversion include updating the DSENQ table and issuing an ENQ for the data set. These functions cannot be completed for the reason indicated by the return and reason codes.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services allocation request fails. Also, the system writes to the logrec data set a record describing the error.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error. This message reason code is coming from MVS Allocation. See [Interpreting error reason codes from DYNALLOC in z/OS MVS Programming: Authorized Assembler Services Guide](#). If you still cannot fix the error, contact your programming support personnel.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17205I**

**VOLUMES SPECIFIED ARE NOT IN THE SAME STORAGE GROUP FOR A  
GUARANTEED SPACE REQUEST FOR DATA SET *dsname***

## Explanation

In a guaranteed space request for a data set, the caller selected specific volumes, and selected a storage class with the guaranteed space attribute; therefore, the specific volumes must be honored. However, not all of the specified volumes are in the same storage group.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Change the request so that all volumes specified are in the same storage group; then rerun the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17206I**

**VOLUME SELECTION HAS FAILED - THERE ARE NOT ENOUGH VOLUMES  
WITH SUFFICIENT SPACE FOR DATA SET *dsname***

## Explanation

A space request for a data set failed because:

- No accessible volumes had sufficient space to satisfy the single-volume request.
- Not enough accessible volumes had sufficient space to satisfy the multi-volume request.
- In the guaranteed space request for data set *dsname*, the specified volume does not belong to any of the storage groups that the storage class mapped.
- No duplex volumes were available.

A volume is accessible if all of the following are true:

- The storage group that contains the volume is enabled to the system;
- The volume itself is enabled to SMS; and
- The volume itself is online to MVS.

In the message text:

***dsname***

The data set name.

## System action

The request fails.

## System programmer response

Resubmit the request, specifying less space than before. If you still get this error message, then determine which storage class and storage group were used for the request, and check the amount of available space on all volumes in the storage group. Then either force the selection of another storage class, or make more space available on the volumes within the selected storage group.

If the problem cannot be determined, run the job again and request a dump immediately after the failure. Contact the IBM Support Center and provide the dump.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17207I**

**VOLUME SELECTION HAS FAILED - THERE ARE NO ACCESSIBLE  
VOLUMES FOR DATA SET *dsname***

## Explanation

There are no volumes for which all of the following are true:

- The storage group that contains the volume is enabled to the system;
- The volume itself is enabled to SMS; and
- The volume itself is online to MVS.

In the message text:

***dsname***

The data set name.

## System action

The request fails.

## Programmer response

Determine the status of all storage groups and volumes used for this request. You may need to enable some storage groups or bring some volumes online.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17208I**

**VOLUME ALLOCATION UNABLE TO GET A LIST OF ALLOCATED UCBS  
FOR DATA SET *dsname* ALLOCATION RETURN CODE IS *rc***

## Explanation

SMS VTOC data set services called scheduler allocation to get a list of UCBS currently allocated to the data set indicated. Allocation failed to get the list, and returned a return code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Use the return code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17209I**

**Sysplex Cache Manager REJECTED *n* VOLUMES FOR DATA SET *dsname***

## Explanation

While SMS was attempting to select a volume to extend the VSAM data set, it invoked the DFSMS Sysplex Cache Manager to determine if volumes were eligible. The DFSMS Sysplex Cache Manager rejected at least one volume.

In the message text:

### ***n***

The number of volume rejected by the DFSMS Sysplex Cache Manager.

### ***dsname***

The data set.

## System action

The extension of the data set to a new volume fails.

## User response

Contact the storage administrator.

## Programmer response

The problem may be that the volumes are currently quiesced for CF caching. Enable the volumes using the VARY SMS,CFVOL command to allow the extend to proceed.

## Source

Storage Management Subsystem (SMS)

## Module

IGDVTSAV

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17210I</b> | <b>DYNAMIC UNALLOCATION OF VOLUME <i>volser</i> DURING CREATE OF DATA SET <i>dsname</i> HAS FAILED - DYNAMIC ALLOCATION RETURN CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i></b> |
|------------------|---|

## Explanation

During creation of a data set, SMS VTOC data set services create processing received an unexpected return code from dynamic allocation, which was trying to unallocate a volume.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17211I**

**INVALID VOLUME LIST SPECIFIED - A SPECIFIC VOLSER FOLLOWS A  
NON-SPECIFIC VOLSER FOR THE DEFINE OF DATA SET *dsname***

## Explanation

The SMS VTOC data set services define request for the data set passed a volume list that contains a non-specific volsr (“\*”) before a specific volsr. In a volume list, all non-specific volsers appear after all specific volsers.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Determine where the volumes were specified (in a JCL DD statement or AMS command), and correct the volume specification. Then resubmit the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17212I**

**UNABLE TO RETRIEVE DDNAME DURING CREATION OF DATASET  
*dsname* DYNAMIC ALLOCATION INFORMATION RETRIEVAL RETURN  
CODE IS *rc* REASON CODE IS *rsnc***

## Explanation

During creation of a data set, SMS VTOC data set services create processing received an unexpected return code from dynamic allocation information retrieval.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

**System action**

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

**System programmer response**

Use the logrec data set, the return code and the reason code to determine the error.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |   |
|------------------|---|
| <b>IGD17213I</b> | <b>UNABLE TO DYNAMICALLY ALLOCATE VOLUME <i>volser</i> DURING<br/>CREATION OF DATA SET <i>dsname</i> DYNAMIC ALLOCATION RETURN CODE<br/>IS <i>rc</i> REASON CODE IS <i>rsnc</i></b> |
|------------------|---|

**Explanation**

During creation of a data set, SMS VTOC data set services create processing received an unexpected return code from dynamic allocation, which was trying to allocate a volume.

In the message text:

***volser***  
The volume serial number.

***dsname***  
The data set name.

***rc***  
The return code.

***rsnc***  
The reason code.

**System action**

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

**System programmer response**

Use the logrec data set, the return code and the reason code to determine the error.

**Source**

DFSMSdfp

**Routing code**

2

## Descriptor code

4

---

**IGD17214I**

**UNABLE TO DYNAMICALLY ALLOCATE DATA SET *dsname* DURING  
CREATION OF THE DATA SET - DYNAMIC ALLOCATION RETURN CODE  
IS *rc* REASON CODE IS *rsnc***

## Explanation

During creation of a data set, SMS VTOC data set services create processing received an unexpected return code from dynamic allocation, which was trying to allocate the data set.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17215I**

**NO SPACE SPECIFIED FOR CREATION OF VSAM DATA SET *dsname***

## Explanation

During creation of a VSAM data set, SMS VTOC data set services did not receive a space parameter from access methods services.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.



## Programmer response

Determine where the space was specified (in a JCL statement, in the DEFINE command, or in the data class), and correct the specification. Then resubmit the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|           |  |
|-----------|--|
| IGD17216I | JOBNAME <i>jobname</i> PROGRAM NAME <i>progrname</i> STEPNAME <i>stepname</i><br>DDNAME <i>ddname</i> DATA SET <i>dsn</i> WHICH WAS INITIALLY ALLOCATED<br>TO STORAGE GROUP <i>sgname1</i> WAS EXTENDED SUCCESSFULLY TO<br>EXTEND STORAGE GROUP <i>sgname2</i> . |
|-----------|--|

## Explanation

This message is generated when SMS has successfully extended a data set to a volume that belongs to an extend storage group. The data set could not be successfully extended to a new volume in its primary storage group, either because the primary storage group had no candidate volumes or because the candidates had insufficient space.

In the message text:

***jobname***

The job name

***progrname***

The program name

***stepname***

The step name

***ddname***

The data definition name

***dsn***

The data set name

***sgname1***

The name of the primary storage group (The first volume on which the *dsn* data set was allocated belongs to the primary storage group.)

***sgname2***

The name of the extend storage group

## System action

Processing continues. This message appears in both the job log and the hardcopy log.

## Operator response

None

## System programmer response

This is an informational message only. Determine why a volume from the extend storage group was used rather than a volume from the primary storage group.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDVTSAB

---

**IGD17217I**

**UNABLE TO USE VOLUME *volser* FOR GUARANTEED SPACE REQUEST  
FOR DATA SET *dsname***

## Explanation

During creation of a VSAM data set, SMS VTOC data set services volume selection was unable to select a volume for the following possible reasons:

- *volser* is offline to MVS.
- *volser* is not enabled to SMS.
- *volser* does not contain adequate space.
- the status of the storage group containing *volser* was not enabled, quiesced nor quiesced new.
- *volser* does not meet the Extended Format, Availability or Accessibility specification in the storage class.

In the message text:

### ***volser***

The volume serial number

### ***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Do one of the following:

- specify another volume when you resubmit the request.
- make sure the volume is online, enabled, and has adequate space for the data set. Then resubmit the request.
- make sure the status of the storage group containing the volume is either enabled, quiesced, or quiesced new. Then resubmit the request.
- make sure the volume meets the Extended Format, Availability and Accessibility specification in the storage class. Then resubmit the request.

## Source

Data Facility Product (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17218I**

**VOLUME LIST NOT PASSED FOR DEFINE OF DATA SET *dsname***

---

## Explanation

During creation of an SMS managed VSAM data set, SMS VTOC data set services did not receive a volume list from access methods services.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services define VSAM request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17219I**

**UNABLE TO CONTINUE DEFINE OF DATA SET *dsname***

---

## Explanation

While defining an SMS managed VSAM data set, SMS VTOC data set services encountered an unexpected error and is unable to continue. Preceding messages describe the specific error.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Refer to the preceding messages to identify the specific error, and to correct it.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17220I**

**MORE THAN 59 REQUESTED FOR DEFINE OF DATA SET *dsname***

---

## Explanation

More than 59 volumes were specified for the allocation of data set *dsname*. 59 is the maximum number of volumes permitted.

In the message text:

***dsname***

The data set name.

## System action

The allocation of the data set fails.

## System programmer response

Reallocate the data set, specifying fewer than 59 volumes.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17221I**

**MORE THAN 1 VOLUME REQUESTED FOR DEFINE TEMPORARY DATA SET *dsn***

---

## Explanation

A request was submitted for more than one volume for a define temporary virtual storage access method (VSAM) data set. Only one volume may be requested.

In the message text:

***dsname***

The specified temporary data set.

## System action

The storage management subsystem (SMS) volume table of contents (VTOC) data set services request fails.

## Programmer response

Ensure that no more than one volume is specified for a temporary VSAM data set when you resubmit the request.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17222I</b> | <b>CALL TO THE SYSPLEX CACHE MANAGER FAILED WITH RETURN CODE<br/>rc DURING EXTEND FOR DATA SET (<i>dsname</i>)</b> |
|------------------|--|

**Explanation**

Explanation: During volume extend processing, SMS VTOC data set services received a severe return code from the sysplex cache manager.

In the message text:

- rc*  
The return code
- dsname*  
The data set name

**System action**

The SMS VTOC Data Set Services request fails.

**Programmer response**

This is a system error. Contact your system programmer.

**Source**

Data Facility Product (DFSMS)

**Routing code**

2

**Descriptor code**

4

---

|                  |   |
|------------------|---|
| <b>IGD17223I</b> | <b>JOBNAME <i>jobname</i> PROGRAM NAME <i>progrname</i> STEPNAME <i>stepname</i><br/>DDNAME <i>ddname</i> DATA SET <i>dsn</i> WAS ALLOCATED TO AN OVERFLOW<br/>STORAGE GROUP <i>ofsg</i>.</b> |
|------------------|---|

**Explanation**

This message is issued when the volume selection algorithms resulted in the selection of one or more volumes that belong to an overflow storage group.

In the message text:

- jobname*  
The name of the job that was running

**progrname**

The name of the program that was in process

**stepname**

The name of the step that was in process

**ddname**

The data definition name of the data set being allocated

**dsn**

The name of the data set being allocated

**ofsg**

The name of the overflow storage group to which the data set was allocated

**System action**

Processing continues. This message appears in both the job log and the hardcopy log.

**Operator response**

None

**System programmer response**

Determine why a volume from the overflow storage group was used. This is an informational message only.

**Source**

Storage Management Subsystem (DFSMS)

**Module**

IGDVTSC1

---

**IGD17224I**

**NO STORAGE GROUPS RETURNED FROM AUTOMATIC CLASS  
SELECTION ROUTINES FOR DEFINE OF DATA SET *dsname***

**Explanation**

During creation of an SMS managed VSAM data set, SMS VTOC data set services did not receive any storage groups from automatic class selection.

In the message text:

***dsname***

The data set name.

**System action**

The SMS VTOC data set services request fails.

**Programmer response**

Correct the storage group ACS routines.

**Source**

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17225I**

**VOLUME *volser* IS NOT IN ANY OF THE ELIGIBLE STORAGE GROUPS  
FOR CREATION OF GUARANTEED SPACE DATA SET *dsname***

## Explanation

In the guaranteed space request for the data set, the specified volume does not belong to any of the storage groups that the storage class mapped.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Do one of the following:

- Specify another volume when you resubmit the request.
- Determine which storage group contains *volser*, and which storage classes that map that storage group. Then force the selection of one of those storage classes when you resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17226I**

**THERE IS AN INSUFFICIENT NUMBER OF VOLUMES IN THE ELIGIBLE  
STORAGE GROUP(S) TO SATISFY THIS REQUEST FOR DATA SET *dsname***

## Explanation

SMS VTOC data set services VSAM volume selection has determined that no storage group contains enough volumes to satisfy the current request. When SMS VTOC data set services VSAM volume selection evaluates an eligible storage group, it includes all candidate volumes as well as any that will have space allocated during allocation.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Do one of the following:

- Determine whether there is another storage group available that will contain the required number of volumes.
- Try to match the number of required volumes to the number available in one of the eligible storage groups.

## Source

DFSMSdfp

## Routing code

2

### Descriptor code

4

|           |  |
|-----------|--|
| IGD17227I | JOBNAME <i>jobname</i> PROGRAM NAME <i>progrname</i> STEPNAME <i>stepname</i><br>DDNAME <i>ddname</i> DATA SET <i>dsn</i> WAS ALLOCATED TO A SUBSEQUENT<br>MULTI-TIERED STORAGE GROUP. ALLOCATED STORAGE GROUP WAS<br><i>sg1</i> . CANDIDATE STORAGE GROUPS ARE: <i>sg2</i> , <i>sg3</i> ... |
|-----------|--|

### Explanation

DFSMSdfp issues this message when a job requested multitiered storage groups and the system did not allocate the data set to the first storage group in the multitiered storage group selection order.

***jobname***

The name of the job that was running

***progname***

The name of the program that was running

***stepname***

The name of the step that was running

***ddname***

The data definition (DD) name of the data set that was allocated

***dsn***

The name of the data set that was allocated

**sg1**

The storage group to which the data set was allocated

**sg2, sg3...**

The multitiered storage group selection order that the job requested

## System action

Processing continues. This message appears in both the printed log and the job log.

## Operator response

None



**System programmer response**

Determine why a volume from the first storage group listed in the selection order was not used.

**Programmer response**

None

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

|                  |   |
|------------------|---|
| <b>IGD17230I</b> | <b>PARAMETER LIST FOR VSAM EOVSYNCHRONIZATION FUNCTION FOR DATA SET (<i>dsname</i> IS INVALID</b> |
|------------------|---|

**Explanation**

Function flags provided by the caller to SMS are inconsistent.

In the message text:

***dsname***  
The data set name

**System action**

The SMS VTOC Data Set Services request fails.

**Programmer response**

This is a system error. Contact your system programmer.

**Source**

Data Facility Product (DFSMS)

**Routing code**

2

**Descriptor code**

4

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|                  |  |
|------------------|--|
| <b>IGD17231I</b> | <b>THE JFCB FOR A VSAM EOVSYNCHRONIZATION FUNCTION FOR DATA SET (<i>dsname</i> INDICATES THAT THE DATA SET IS NON-VSAM</b> |
|------------------|--|

**Explanation**

The JFCORGAM bit in the JFCB is not on.

In the message text:

***dsname***

The data set name

**System action**

The SMS VTOC Data Set Services request fails.

**Programmer response**

This is a system error. Contact your system programmer.

**Source**

Data Facility Product (DFSMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17232I**

**DATA SET NAME (DSN) COULD NOT BE FOUND IN THE CATALOG FOR A  
VSAM EOVSYNCHRONIZATION REQUEST**

**Explanation**

A SUPERLOCATE was issued for the data set name passed in to SMS by the caller. The name was not found in the CATALOG.

In the message text:

***dsname***

The data set name

**System action**

The SMS VTOC Data Set Services request fails.

**Programmer response**

This is a system error. Contact your system programmer.

**Source**

Data Facility Product (DFSMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17234I**

**THE VSAM EOVSYNCHRONIZATION REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE VOLUME ALLOCATION  
FAILED**

## Explanation

Explanation: SMS called MVS Allocation to allocate volumes that were present in the BCS entry but were not represented in the JFCB and the TIOT. This allocation request failed. This message will be accompanied by another message that will explain in greater detail why the volume allocation failed.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

One reason for the request to fail could be that the volume being allocated was offline. Contact your system programmer for assistance.

## Source

Data Facility Product (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17235I**

**THE VSAM EOVS DELETE VOLUME REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE VOLUME (*volser*) PROVIDED  
TO SMS WAS INCONSISTENT WITH THE JFCB SUPPLIED**

## Explanation

The volume to be deleted must be the last volser in the JFCB or JFCB extension.

In the message text:

***dsname***

The data set name

***volser***

The volume serial number

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

This is a system error. Contact your system programmer.

## Source

Data Facility Product (DFSMS)

## Routing code

2

## Descriptor code

4

---

**IGD17236I**

**THE VSAM EOVS DELETE VOLUME REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE VOLUME DEALLOCATION  
FAILED**

## Explanation

Explanation: SMS called MVS Allocation to deallocate the volume provided by the caller. This deallocation request failed. This message will be accompanied by another message that will explain in greater detail why the volume deallocation failed.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

This is a system error. Contact your system programmer.

## Source

Data Facility Product (DFSMS)

---

**IGD17239I**

**THE VSAM EOVS SYNCHRONIZATION REQUEST FOR DATA SET (*dsname*)  
COMPLETED SUCCESSFULLY WITH NO ACTION TAKEN BECAUSE THE  
DATA SET WAS ALREADY SYNCHRONIZED.**

## Explanation

There was no need for SMS to take any action since the BCS entry for this data set and the JFCB/TIOT reflect the same information pertaining to the volumes that this data set occupies.

In the message text:

***dsname***

The data set name

## System action

Processing continues. This is an informational message.

## Programmer response

No action required.

## Source

Data Facility Product (DFSMS)

---

**IGD17240I****THE VSAM EOVSYNCHRONIZATION REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE CALL TO ALLOCATION TO  
COUNT THE NUMBER OF REAL UCB ENTRIES IN THE TIOT FAILED**

### Explanation

In the message text:

***dsname***

The data set name

SMS called MVS Allocation to return a count of the number of real UCBs in the associated TIOT. This call failed. This message will be accompanied by another message that will explain in greater detail why the call to MVS failed.

### System action

The SMS VTOC Data Set Services request fails.

### Programmer response

This is a system error. Contact your system programmer.

### Source

Data Facility Product (DFSMS)

---

**IGD17241I****THE VSAM EOVSYNCHRONIZATION REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE CALL TO ALLOCATION TO  
UPDATE THE TIOT FAILED**

### Explanation

SMS called MVS Allocation to update the first dummy UCB entry in the TIOT. This call failed. This message will be accompanied by another message that will explain in greater detail why the call to MVS failed.

In the message text:

***dsname***

The data set name

### System action

The SMS VTOC Data Set Services request fails.

### Programmer response

This is a system error. Contact your system programmer.

### Source

Data Facility Product (DFSMS)

---

**IGD17242I****THE VSAM EOVSDELETE VOLUME REQUEST FOR DATA SET (*dsname*)  
COULD NOT BE COMPLETED BECAUSE THE CALL TO ALLOCATION TO  
UPDATE THE TIOT FAILED**

### Explanation

SMS called MVS Allocation to update the last real UCB entry in the TIOT. This call failed. This message will be accompanied by another message that will explain in greater detail why the call to MVS failed.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

This is a system error. Contact your system programmer.

## Source

Data Facility Product (DFSMS)

---

**IGD17245I**

**ADD VOLUME FAILED FOR UNAVAILABLE JFCBX FOR DATA SET *dsname***

## Explanation

During VSAM EOVS processing, SMS attempted to add the selected volume to the JFCBX, but the JFCBX was not available for the data set.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails. Also, the system writes a record describing the error to the logrec data set.

## Programmer response

Determine if the catalog contains more candidate entries than the number of volumes in the JFCB and JFCBX for the failing data set. If so, the data set may not have been closed-deallocated and then allocated-opened properly after issuing ALTER ADDVOL to add volumes to the catalog. If not, contact your programming support personnel for probable system error.

**Note:** If you use ALTER ADDVOLUMES to add volumes to a data set that was already opened and allocated, the data set must be closed, deallocated, reallocated, and reopened before VSAM can be extended onto the newly added candidate volume. This limitation means that the zFS filesystem must be unmounted and mounted again. You can use the remount capability of z/OS UNIX to remount the utility file system.

For more information, please refer to [z/OS UNIX System Services Planning](#) at topic

["Adding volumes to a compatibility mode aggregate."](#)

## Source

DFSMSdfp

---

**IGD17249I**

**THE VSAM EOVS EXTEND REQUEST FOR DATA SET (DSN) FAILED  
BECAUSE A VOLUME (VOLSER) WAS PROVIDED TO SMS FOR NON-  
GUARANTEED SPACE REQUEST**

## Explanation

The VSAM EOVS extend request should not provide a specific volume when the storage class associated with the data set does not have the guaranteed space attribute specified.

In the message text:

***dsname***

The data set name

***volser***

The volume serial number

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Remove the specific candidate volumes of the data set and then use the AMS ALTER ADDVOL command to add the non-specific volumes.

## Source

Data Facility Product (DFSMS)

---

**IGD17251I**

**THE VSAM EOVSYNCHRONIZATION/DELETE REQUEST FOR DATA SET (*dsn*) COULD NOT BE COMPLETED BECAUSE AN ERROR WAS ENCOUNTERED IN ATTEMPTING TO GET THE JFCB**

## Explanation

SMS VTOC data set service was unable to get the JFCB when processing the VSAM EOVSYNCHRONIZATION or delete request.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

This is a system error. Contact your system programmer.

## Source

Data Facility Product (DFSMS)

---

**IGD17260I**

**DATA SET *dsname* NOT ALLOCATED BECAUSE {STORAGE GROUP *sgname*|VOLUME *volser*} NOT ENABLED**

## Explanation

An attempt to allocate an SMS managed data set failed because:

- The volume that the data set resides on is not enabled to the storage management subsystem on the system from which the request was made.
- The storage group that contains the data set's volume is not enabled to SMS.

In the message text:

***dsname***

The data set name.

***sgname***

The storage group name.

***volser***

The volume serial number.

**System action**

The allocation fails.

**Programmer response**

Determine whether the volume or the storage group needs to be enabled; you can enable either by using the VARY SMS command. Then try to allocate the data set again.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD17261I**

**INVALID VOLUME LIST PASSED TO VTOC DATA SET SERVICES OLD SMS  
DATA SET ALLOCATION FOR DATA SET *dsname***

**Explanation**

SMS VTOC data set services was not able to allocate the data set because the first volume serial number in the data set's volume serial list is either blanks or null. The volume list was built incorrectly, possibly because of one of the following:

- The allocation request was for a VTOC index, VVDS, or VTOC data set, and the request did not specify a volume serial number.
- The allocation request was for a temporary data set and specified an incorrect volume reference.

In the message text:

***dsname***

The data set name.

**System action**

The allocation fails.

**Programmer response**

Make sure the allocation request specifies a volume serial number or a valid volume reference; then resubmit the request.

**Source**

DFSMSdfp



## Routing code

2

## Descriptor code

4

**IGD17262I**

**VOLUME *volser* COULD NOT BE ALLOCATED FOR DATA SET *dsn*  
ALLOCATION RETURN CODE IS *rc* ALLOCATION REASON CODE IS *rsnc***

## Explanation

While trying to allocate the device associated with the volume, SMS VTOC data set services was unable to verify the eligibility of the device.

In the message text:

### ***volser***

The volume serial number.

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

The defined return codes, in decimal, are as follows:

### **Return Code**

#### **Explanation**

**0**

See the reason code for the reason why the device is not eligible.

### **All other codes**

Internal system error.

### **Reason Code**

#### **Explanation**

**4**

Device is pending offline but would otherwise meet eligibility requirements.

**8**

Device is not eligible because it is online, not ready, in use by the system, or boxed.

### **All other codes**

This is either a dynamic allocation error reason code or an internal system error. Refer to the list of dynamic allocation error codes in [Interpreting error reason codes from DYNALLOC in z/OS MVS Programming: Authorized Assembler Services Guide](#). If the reason code is not a documented dynamic allocation error reason code, then it indicates an internal system error.

Unit Allocation/Unallocation Interface Service reason codes:

## System action

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

If the return or reason code in the message indicate an internal system error, contact IBM Support. Otherwise, use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17263I</b> | <b>INVALID VOLUME INCLUDE LIST SPECIFIED FOR CREATE OF DATA SET</b><br><i>dsname</i> |
|------------------|--|

## Explanation

SMS VTOC data set services was not able to allocate the data set because one of the volume serial numbers in the data set's volume serial list is either blanks or null.

In the message text:

***dsname***

The data set name.

## System action

The allocation of the data set fails.

## System programmer response

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Source

DFSMSdfp

---

|                  |   |
|------------------|---|
| <b>IGD17264I</b> | <b>VOLUME (vol) and UCB DO NOT MATCH FOR DATA SET</b> <i>dsname</i> |
|------------------|---|

## Explanation

This message can only be issued during the allocation of an existing SMS-managed data set. Generally it indicates that the user has varied a volume offline and possibly re-initialized the volid and varied the device online. In a multi-system configuration this can result in a mismatch between the system UCB and the information in the SMS configuration.

In the message text:

***vol***

The volume serial number

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Correct the situation and resubmit the job.

## Source

Data Facility Product (DFSMS)

**IGD17265I**

**DATA SET *dsname* NOT ALLOCATED BECAUSE *rsntext* FOR *volttext*  
VOLUME(*volser*)**

## Explanation

SMS VTOC data set services has failed allocation of the data set for one of the following reasons:

- ROACCESS=DISALLOW was specified and the data set resides on a read-only device.
- ROACCESS=(ALLOW,TRKLOCK) was not specified when the volume is a read-only PPRC secondary volume.

In the message text:

### ***rsntext***

Can be one of the following texts:

- ROACCESS=DISALLOW WAS SPECIFIED
- ROACCESS=(ALLOW,TRKLOCK) WAS NOT SPECIFIED

### ***volttext***

Can be one of the following texts:

- READ-ONLY
- READ-ONLY PPRC SECONDARY

### ***dsname***

The name of the data set.

### ***volser***

The serial number of the volume.

## **System action:**

The system ends the job and scans the remaining job control statements for the job for syntax errors.

## Programmer response

If the program can tolerate a read-only volume, specify ROACCESS=ALLOW on the DD JCL statement or omit the ROACCESS keyword. Refer to [z/OS MVS JCL Reference](#) for information about the ROACCESS keyword. Resubmit the job.

## Source

Storage Management Subsystem (SMS)

## Routing code

2

## Descriptor code

4

**IGD17267I**

**THE FOLLOWING *n* CANDIDATE STORAGE GROUPS WERE INELIGIBLE  
FOR PREFERRED FAST REPLICATION BECAUSE THEY DID NOT HAVE A  
SUFFICIENT NUMBER (*x*) OF ELIGIBLE FAST REPLICATION VOLUMES:  
*sg1,sg2,...***

# Explanation

This is a diagnostic message that is issued by SMS at the end of a successful allocation. The caller specified 'preferred' fast replication, but SMS was unable to satisfy fast replication requirement. This message provides a list of Storage Groups that were candidates for this allocation request, but did not have a sufficient number of eligible volumes to meet the number of requested volumes for fast replication.

In the message text:

- n**  
Number of Storage Groups
- x**  
Number of requested volumes for fast replication
- sg1,sg2,...**  
The list of Storage Groups. Up to 4 lines will be printed.

# System action

Processing continues.

# System programmer response

This message may provide some information as to why this data set could not be allocated on fast replication volumes. You may need to modify the ACS routines or take other action to make additional fast replication volumes available.

# Programmer response

None. This is an informational message only.

# Source

Data Facility Product (DFSMS)

|                  |  |
|------------------|--|
| <b>IGD17268I</b> | <b>(n) (text) VOLUMES WERE NOT USED FOR FAST REPLICATION BECAUSE (reason1 / reason3)   (n) FR-ELIGIBLE VOLUMES (reason2)   (n) FR-ELIGIBLE VOLUMES WERE NOT USED FOR PRESERVE MIRROR BECAUSE (reason3)   (n) FR-ELIGIBLE VOLUMES WERE NOT USED FOR A REMOTE PAIR FLASHCOPY XRC REQUEST BECAUSE (reason3)</b> |
|------------------|--|

# Explanation

This is an informational message that is issued, in conjunction with the IGD17269I message, in that very specific instance when the allocation request specified that fast replication was preferred, but this could not be honored because enough space could not be obtained on available fast replication volumes. The allocation was successful, but fast replication could not be satisfied. This message may be issued more than once for each request, depending on the 'reasons' for which volumes that are eligible for selection were not used for fast replication. It is to be used as a diagnostic tool to help determine why the fast replication request could not be honored. Refer to the ANTRQST section in [z/OS DFSMS Advanced Copy Services](#) for information on the QFRVOLS volume reason texts and volume reason code.

In the message text:

- n**  
The number of volumes
- text**  
Blank or RF-ELIGIBLE
- reason1**  
Reason why these n volumes were rejected. The possible reasons are:

- THE SMS VOLUME STATUS WAS DISABLED
- THEY WERE NOT ONLINE
- THE UCB WAS NOT AVAILABLE
- OF (volume reason texts from ANTRQST QFRVOLS ) - ANTRQST QFRVOLS VOLUME RSN (xxx)
- STORAGE GROUP HAS INSUFFICIENT FAST REPLICATION VOLUMES
- OF DADSM FAILURE (*diagdata*)
- THEY DID NOT SUPPORT THE AVAILABILITY REQUIREMENT
- THEY DID NOT SUPPORT THE ACCESSIBILITY REQUIREMENT
- THEY WERE NOT SPECIFIED ON A SPECIFIC GUARANTEED SPACE REQUEST
- THEY DID NOT SUPPORT THE EXTENDED FORMAT REQUIREMENT
- THEY DID NOT SUPPORT THE REQUEST FOR FIXED DASD (IART=0)
- THEY DID NOT HAVE SUFFICIENT SPACE (*diagdata*)
- THEY WERE NOT ON THE INCLUDE LIST
- THEY WERE ON THE EXCLUDE LIST
- THEY COULD NOT BE SUCCESSFULLY ALLOCATED
- THE UCB WAS OF THE WRONG TYPE
- THEY DID NOT HAVE ENOUGH SPACE FOR STRIPING
- THE DPCT WAS NOT AVAILABLE
- THEY DID NOT MEET REQUIRED SEPARATION CRITERIA
- THEY DID NOT SUPPORT THE PAV REQUIREMENT.
- OF DUPLICATE DATA SET NAME (*diagdata*)
- OF NO ROOM IN VTOC OR INDEX (*diagdata*)
- OF PERMANENT I/O OR CVAF ERROR (*diagdata*)
- THEY WERE REJECTED BY INSTALLATION EXIT (*diagdata*)
- THEY WERE NOT INITIALIZED (*diagdata*)
- OF EOF MARK WRITE FAILED (*diagdata*)
- OF INSUFFICIENT SPACE FOR BEST-FIT
- OF INSUFF TOTAL SPACE
- OF INSUFF FREE SPACE FOR FAST VOLUME SELECTION
- OF THE USEEAV(NO) SPECIFICATION
- THEY WERE SPACE EFFICIENT VOLUMES
- THEY WERE THE WRONG DEVICE TYPE FOR CLASS TRANSITION

### ***reason2***

Reason why these *n* fast replication eligible volumes were not preferred. The possible reasons are:

- WERE ABOVE THRESHOLD AND LESS PREFERRED
- WERE IN QUIESCED STATUS AND LESS PREFERRED
- WERE IN OVERFLOW SG AND LESS PREFERRED
- DID NOT MEET PREFERRED SEPARATION CRITERIA
- WERE IN TIERED STORAGE GROUP SELECTION
- WERE SPACE EFFICIENT VOLUMES AND LESS PREFERRED

### ***reason3***

Reason why these *n* volumes were rejected. The possible reason is:

- OF (volume reason texts from ANTRQST QFRVOLS ) - ANTRQST QFRVOLS VOLUME RSN (*rsn-code*)

Where:

***diagdata***

is the DADSM diagnostic code or OTHERS after 10 diagnostic codes have been displayed for a failure reason.

***rsn-code***

is the error reason code returned by ANTRQST.

## System action

Processing continues.

## System programmer response

This message may provide some information as to why this data set could not be allocated on fast replication volumes. You may need to modify the ACS routines or take other action to make additional fast replication volumes available.

## Programmer response

None. This is an informational message only.

## Source

Data Facility Product (DFSMS)

---

**IGD17269I**

**(n) VOLUMES WERE REJECTED BECAUSE (reason)**

---

## Explanation

This is an informational message that is issued, in conjunction with the IGD17268I message, in that very specific instance when the allocation request specified that fast replication was preferred, but this could not be honored because enough space could not be obtained on available fast replication volumes. The allocation was successful, but fast replication could not be satisfied. This message may be issued more than once for each request, depending on the 'reasons' for which volumes were rejected. This message is also issued in summarized volume selection analysis messages when creation or extension of an SMS-managed data set is successful.

If volume selection is not prematurely terminated by an error, the SMS command, SETSMS VOLSELMSG(ON) can be used to request summarized and detailed analysis messages on volume selection. These analysis messages can assist with problem diagnosis on volume selection. These analysis messages are written to the hardcopy log and the joblog. See [z/OS MVS System Commands](#) for information on using SETSMS VOLSELMSG(ON).

In the message text:

***n***

The number of volumes

***reason***

Reason why these (n) volumes were rejected. The possible reasons are:

- OF DADSM FAILURE (*diagdata*)
- THE SMS VOLUME STATUS WAS DISABLED
- THE SMS STORAGE GROUP STATUS WAS DISABLED
- THEY WERE NOT ONLINE
- THEY WERE NOT EXTEND STORAGE GROUP VOLUMES
- THEY DID NOT SUPPORT THE AVAILABILITY REQUIREMENT
- THEY DID NOT SUPPORT THE ACCESSIBILITY REQUIREMENT
- THEY WERE NOT SPECIFIED ON A SPECIFIC GUARANTEED SPACE REQUEST
- THEY DID NOT SUPPORT THE EXTENDED FORMAT REQUIREMENT

- THEY DID NOT SUPPORT THE REQUEST FOR FIXED DASD (IART=0)
- THEY DID NOT HAVE SUFFICIENT SPACE (*diagdata*)
- THEY WERE NOT ON THE INCLUDE LIST
- THEY WERE ON THE EXCLUDE LIST
- THEY COULD NOT BE SUCCESSFULLY ALLOCATED
- THE UCB WAS OF THE WRONG TYPE
- THEY DID NOT HAVE ENOUGH SPACE FOR STRIPING
- THE DPCT WAS NOT AVAILABLE
- THE UCB WAS NOT AVAILABLE
- THEY DID NOT MEET REQUIRED SEPARATION CRITERIA
- THEY DID NOT SUPPORT THE PAV REQUIREMENT.
- OF DUPLICATE DATA SET NAME (*diagdata*)
- OF NO ROOM IN VTOC OR INDEX (*diagdata*)
- OF PERMANENT I/O OR CVAF ERROR (*diagdata*)
- THEY WERE REJECTED BY INSTALLATION EXIT (*diagdata*)
- THEY WERE NOT INITIALIZED (*diagdata*)
- OF EOF MARK WRITE FAILED (*diagdata*)
- OF INSUFFICIENT SPACE FOR BEST-FIT
- OF INSUFF TOTAL SPACE
- OF INSUFF FREE SPACE FOR FAST VOLUME SELECTION
- OF THE USEAV(NO) SPECIFICATION
- THEY WERE SPACE EFFICIENT VOLUMES
- THEY WERE THE WRONG DEVICE TYPE FOR CLASS TRANSITION
- THEY WERE READ-ONLY
- THEY WERE NOT CLOUD ELIGIBLE
- OF INSUFF VOLUMES IN THE SFI
- THEY WERE NOT D/T3390
- THEY WERE NOT TCT COMPRESSION ELIGIBLE
- THEY WERE NOT TCT ENCRYPTION ELIGIBLE
- THEY WERE NOT SINGLE SFI ELIGIBLE
- THEY WERE NOT EXTEND STORAGE GROUP VOLUMES

Where:

***diagdata***

is the DADSM diagnostic code or OTHERS after 10 diagnostic codes have been displayed for a failure reason.

## **System action**

Processing continues.

## **System programmer response**

This message may provide some information as to why this data set could not be allocated on fast replication volumes. You may need to modify the ACS routines or take other action to make additional fast replication volumes available. This message is issued in summarized volume selection analysis messages when creation or extension of an SMS-managed data set is successful. Use SMS Command SETSMS VOLSELMSG(ON) to request summarized and detailed analysis messages on volume selection. These analysis messages are written

to the hardcopy log and the joblog. See [z/OS MVS System Commands](#) for information on using SETSMS VOLSELMSG(ON).

## Programmer response

None. This is an informational message only.

## Source

Data Facility Product (DFSMS)

---

|                  |   |
|------------------|---|
| <b>IGD17270I</b> | <b>ALLOCATION HAS BEEN ALLOWED TO PROCEED FOR DATA SET <i>dsname</i><br/>ALTHOUGH VOLUME COUNT FOR THE SAME SFI REQUIREMENTS<br/>COULD NOT BE MET</b> |
|------------------|---|

## Explanation

A request was made to allocate a SMS-managed, non-virtual storage access method (Non\_VSAM), non-guaranteed-space data set. The volume count specified (or derived from the data class) is greater than the number of available online and same SFI volumes in any of the storage groups that were selected.

In the message text:

***dsname***

The specified data set.

## System action

The system continues the allocation process.

## Programmer response

If a multi-volume data set is required, either request that volumes be added to the storage group to which this volume belongs, or re-allocate this data set such that the storage group selected has enough available online and same SFI volumes.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17271I</b> | <b>ALLOCATION HAS BEEN ALLOWED TO PROCEED FOR DATA SET <i>dsname</i><br/>ALTHOUGH VOLUME COUNT REQUIREMENTS COULD NOT BE MET</b> |
|------------------|--|

## Explanation

A request was made to allocate a SMS-managed, non-virtual storage access method (VSAM), non-guaranteed-space data set. The volume count specified (or derived from the data class) is greater than the number of available online volumes in any of the storage groups that were selected.

In the message text:

***dsname***

The specified data set.



## System action

The system continues the allocation process.

## Programmer response

If a multi-volume data set is required, either request that volumes be added to the storage group to which this volume belongs, or re-allocate this data set such that the storage group selected has a sufficient number of available online volumes.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17272I</b> | <b>VOLUME SELECTION HAS FAILED FOR INSUFFICIENT SPACE FOR</b><br><b>DATA SET <i>dsn</i></b><br><b>JOBNAME (<i>jobname</i>)</b><br><b>STEPNAME (<i>stepname</i>)</b><br><b>PROGNAME (<i>progrname</i>)</b><br><b>DDNAME (<i>ddname</i>)</b><br><b>REQUESTED SPACE QUANTITY = <i>nnnn</i> {KB MB}</b><br><b>STORCLAS (<i>storage class</i>)</b><br><b>MGMTCLAS (<i>management class</i>)</b><br><b>DATACLAS (<i>data class</i>)</b><br><b>STORGRPS (<i>sg1 sg2 sg3 ...</i>)</b> |
|------------------|---|

## Explanation

At the time that SMS failed the allocation, this message was generated because one or more of the candidate volumes were rejected for not having enough space.

While extending a temporary data set to a new volume, IGD17272I may not contain data class, storage class, and management class because the temporary data set does not get cataloged.

In the message text:

***dsn***

The data set name

***jobname***

The job name

***stepname***

The step name

***progrname***

The program name

***ddname***

The data definition name

***nnnn***

The requested quantity of space, in kilobytes or megabytes

***storage class***

The assigned storage class

**management class**

The assigned management class

**data class**

The assigned data class

**sg1 sg2 sg3 ...**

A list of assigned storage groups (maximum of 15)

**System action**

The SMS VTOC data set services request fails. The message appears in both the job log and the hardcopy log.

**Operator response**

None

**Programmer response**

This message is accompanied by other messages that give more information about why the allocation might have failed. Review those other messages.

**Source**

Storage Management Subsystem (DFSMS)

**Module**

IGDVTSC2

---

**IGD17273I**

**ALLOCATION HAS FAILED FOR ALL VOLUMES SELECTED FOR DATA SET  
*dsname***

**Explanation**

In an SMS VTOC data set services request involving the data set, one or more volumes were specified, but could not be selected. Then volume selection was reentered until all eligible volumes were tried. DADSM may not have found enough space or the volume might not have been initialized as an SMS volume; otherwise, the reason for the error is indicated in a preceding message.

In the message text:

***dsname***

The data set name.

**System action**

The SMS VTOC data set services request fails. DADSM may reject the volume because it was not initialized or because there was not enough space.

**System programmer response**

If DADSM could not find enough space, put additional volumes online in one of the eligible storage groups, and resubmit the request. Otherwise, refer to any preceding messages to determine the error.

If the problem cannot be determined, run the job again and request a dump immediately after the failure. Contact the IBM Support Center and provide the dump.

**Source**

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17274I**

**VOLUMES SPECIFIED FOR A GUARANTEED SPACE REQUEST DO NOT  
BELONG TO AN ELIGIBLE STORAGE GROUP ALLOCATION FOR DATA SET  
*dsname* FAILED**

## Explanation

The guaranteed space request for the data set has requested the specified volume(s) that do not belong to any of the storage groups that were assigned to the data set.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Do one of the following:

- Specify another volume and resubmit the request.
- Determine which storage group is being assigned to the data set and specify a volume from that storage group.
- Remove the volume specified then re-submit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17275I**

**NO ELIGIBLE STORAGE GROUP HAS ENOUGH SPACE FOR BEST FIT  
REQUEST - ALLOCATION FOR DATA SET *dsname* FAILED**

## Explanation

In a 'best fit' request for a data set, none of the selected storage groups have enough space.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Do one of the following:

- Reduce the primary space requirement, and resubmit the request.
- Determine the amount of space required to satisfy the 'best fit' request, and which storage groups have that much space. Then force the selection of one of those storage groups when you resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17276I**

**THE DISP=MOD REQUEST BEING PROCESSED WILL INCREASE THE  
VOLUME COUNT TO MORE THAN 59 VOLUMES ALLOCATION FOR  
*dsname* FAILED**

## Explanation

The DISP=MOD request being processed will result in a count of more than 59 volumes for a data set. The volume count for a data set cannot exceed the maximum of 59.

In the message text:

***dsname***

The data set name.

## System action

The request fails. The volume count for *dsname* remains the same as it was prior to the processing of this request.

## Programmer response

Check the JCL DD statement or the data class to make sure no more than 59 volumes are allocated to the data set when you resubmit the request. If you require more volumes, delete the data set and re-allocate it with corrected JCL.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17277I**

**THERE ARE (w) CANDIDATE VOLUMES OF WHICH (x) ARE ENABLED OR  
QUIESCED**

## Explanation

This message indicates how many candidate volumes there were for a failing request, and the status of those volumes. The message appears in conjunction with message IGD17206I, IGD17207I, or IGD17273I.

In the message text:

**w**

The number of volumes in all the storage groups that were selected by the ACS routines for the request.

**x**

The number of those volumes that are either enabled or quiesced, and therefore are eligible for selection.

## System action

The system continues processing.

## Programmer response

Refer to message IGD17206I, IGD17207I, or IGD17273I to determine why the request failed.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17278I</b> | <b>UNEXPECTED RETURN CODE FROM DEVICE INFORMATION SERVICES<br/>WHILE PROCESSING DATA SET <i>dsname</i> RETURN CODE IS <i>rc</i> REASON<br/>CODE IS <i>rsnc</i></b> |
|------------------|--|

## Explanation

While creating a data set, SMS VTOC data set services called device information services to get device characteristics. Device information services returned an unexpected return code.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17279I** (n) VOLUMES WERE REJECTED BECAUSE *reason*

---

## Explanation

SMS failed the allocation because volume(s) could not be selected. This message may be issued more than once for each volume selection failure, depending on the 'reasons' for which volumes were rejected. See the ANTRQST section in *z/OS DFSMS Advanced Copy Services* for information on the QFRVOLS volume reason texts and volume reason code. Also refer to [DADSM CREATE \(allocate\) return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#).

In the message text:

**n**

The number of volumes

**reason**

One of the following reasons that the volume or volumes were rejected:

- OF DADSM FAILURE (*diagdata*)
- THE SMS VOLUME STATUS WAS DISABLED
- THE SMS STORAGE GROUP STATUS WAS DISABLED
- THEY WERE NOT ONLINE
- THE VOLUME WAS NOT AVAILABLE TO Asynchronous Operations Manager (AOM)
- THEY DID NOT SUPPORT THE AVAILABILITY REQUIREMENT
- THEY DID NOT SUPPORT DATA SET SEPARATION
- THEY DID NOT SUPPORT THE ACCESSIBILITY REQUIREMENT
- THEY WERE NOT SPECIFIED ON A SPECIFIC GUARANTEED SPACE REQUEST
- THEY DID NOT SUPPORT THE EXTENDED FORMAT REQUIREMENT
- THEY DID NOT SUPPORT THE REQUEST FOR FIXED DASD (IART=0)
- THEY DID NOT SUPPORT THE PAV REQUIREMENT
- THEY DID NOT HAVE SUFFICIENT SPACE (*diagdata*)
- THEY WERE NOT ON THE INCLUDE LIST
- THEY WERE ON THE EXCLUDE LIST
- THEY COULD NOT BE SUCCESSFULLY ALLOCATED
- THE UCB WAS OF THE WRONG TYPE
- THEY DID NOT HAVE ENOUGH SPACE FOR STRIPING
- THE DPCT WAS NOT AVAILABLE
- THEY DID NOT SUPPORT THE PAV REQUIREMENT
- OF DUPLICATE DATA SET NAME (*diagdata*)
- OF NO ROOM IN VTOC OR INDEX (*diagdata*)
- OF PERMANENT I/O OR CVAF ERROR (*diagdata*)

- THEY WERE REJECTED BY INSTALLATION EXIT (*diagdata*)
- THEY WERE NOT INITIALIZED (*diagdata*)
- OF EOF MARK WRITE FAILED (*diagdata*)
- OF (volume reason texts from ANTRQST QFRVOLS) FOR A REQUIRED FAST REPLICATION. ANTRQST QFRVOLS VOLUME RSN(*xxx*)
- OF INSUFFICIENT SPACE FOR BEST-FIT
- OF INSUFF TOTAL SPACE
- OF INSUFF FREE SPACE FOR FAST VOLUME SELECTION
- OF THE USEEAV(NO) SPECIFICATION
- THEY WERE SPACE EFFICIENT VOLUMES
- OF (volume reason texts from ANTRQST QFRVOLS) FOR A REQUIRED PRESERVE MIRROR. ANTRQST QFRVOLS PRESERVE MIRROR VOLUME RSN (*xxx*)
- THEY WERE THE WRONG DEVICE TYPE FOR CLASS TRANSITION
- THEY WERE READ-ONLY
- OF (volume reason texts from ANTRQST QFRVOLS) ANTRQST QFRVOLS VOLUME RSN(*rsn\_code*)
- THEY WERE NOT D/T3390
- THEY WERE NOT CLOUD ELIGIBLE
- OF INSUFF VOLUMES IN THE SFI
- THEY WERE NOT TCT COMPRESSION ELIGIBLE
- THEY WERE NOT TCT ENCRYPTION ELIGIBLE

Where:

***diagdata***

is the DADSM diagnostic code or OTHERS. This code is described in [DADSM CREATE \(allocate\) return and diagnostic codes in z/OS DFSMSdfp Diagnosis](#).

***rsn\_code***

is the error reason code returned by ANTRQST.

## System action

Processing stops.

## Operator response

None

## System programmer response

Correct the problem indicated by the reason in the message and resubmit the request.

### Reason

#### Response

#### OF A DADSM FAILURE

Correct the DADSM condition.

#### THE SMS VOLUME STATUS WAS DISABLED

Enable the requested volumes.

#### THE SMS STORAGE GROUP STATUS WAS DISABLED

Enable the requested storage group or groups.

#### THEY WERE NOT ONLINE

Vary the volume online.

**THE VOLUME WAS NOT AVAILABLE TO Asynchronous Operations Manager (AOM)**

Vary the volume online.

**THEY DID NOT SUPPORT THE AVAILABILITY REQUIREMENT**

Refer to the SMS storage class.

**THEY DID NOT SUPPORT DATA SET SEPARATION**

Refer to the installation data set separation profile, or make another physical control unit available for allocation.

**THEY DID NOT SUPPORT THE ACCESSIBILITY REQUIREMENT**

Refer to the SMS storage class.

**THEY DID NOT SUPPORT THE PAV REQUIREMENT**

Refer to the SMS storage class.

**THEY WERE NOT SPECIFIED ON A SPECIFIC GUARANTEED SPACE REQUEST**

Specify additional volumes on the guaranteed space request.

**THEY DID NOT SUPPORT THE EXTENDED FORMAT REQUIREMENT**

Refer to the SMS data class.

**THEY DID NOT SUPPORT THE REQUEST FOR FIXED DASD (IART=0)**

Refer to the SMS storage class.

**THEY DID NOT HAVE SUFFICIENT SPACE**

Refer to installation procedures.

**THEY WERE NOT ON THE INCLUDE LIST**

Refer to DFSMSdss policy.

**THEY WERE ON THE EXCLUDE LIST**

The volumes were already in use by this data set.

**THEY COULD NOT BE SUCCESSFULLY ALLOCATED**

Vary the volumes online if they are offline, or make them available if they are otherwise unavailable.

**THE UCB WAS OF THE WRONG TYPE**

The device geometry was incompatible for data set extend. The volume that will be used for the extend must have the same geometry (that is, 3380 versus 3390) as the first volume of the data.

**THEY DID NOT HAVE ENOUGH SPACE FOR STRIPING**

Refer to installation procedures.

**THE DPCT WAS NOT AVAILABLE**

The volume was not available to IOS.

**THE UCB WAS NOT AVAILABLE**

The volume was not available to IOS.

**OF INSUFF TOTAL SPACE**

The primary quantity requested was larger than the total capacity of the largest available volume. See [\*z/OS DFSMSdfp Storage Administration\*](#) for a detailed explanation.

**OF INSUFF FREE SPACE FOR FAST VOLUME SELECTION**

See [\*z/OS DFSMSdfp Storage Administration\*](#) for a detailed explanation.

**OF THE USEEAV(NO) SPECIFICATION**

All candidate EAVs were rejected because USEEAV(NO) was specified in SYS1.PARMLIB.

**THEY WERE SPACE EFFICIENT VOLUMES**

Space efficient volumes cannot be used for striped data sets

**THEY WERE THE WRONG DEVICE TYPE FOR CLASS TRANSITION**

Pick volumes with the correct device type for the class transition and resubmit the request.

**NO ROOM IN VTOC OR INDEX (*diagdata*)**

There is no room in the VTOC or VTOC index. For more information, see the DADSM CVAF diagnostic aid section in [\*z/OS DFSMSdfp Diagnosis\*](#).



## Source

Storage Management Subsystem (DFSMS)

## Module

IGDVTSC2

---

**IGD17280I**

**NO VOLUME SERIAL PROVIDED FOR CREATION OF ALTERNATE INDEX  
*dsn***

## Explanation

No volume serial was provided in the parameter list to SMS for the creation of an alternate index.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## System programmer response

If the define was due to a DFDSS copy, specify the SPHERE keyword or include the base cluster in the copy operation. Otherwise, determine the caller of SMS and then determine why a volume serial was not provided.

## Source

DFSMSdfp

---

**IGD17281I**

**ALLOCATION FOR DATA SET *dsname* FAILED, VOLUME (vol) WAS  
EXPLICITLY SPECIFIED FOR A GUARANTEED SPACE REQUEST BUT  
WAS REJECTED**

## Explanation

Volume(s) were explicitly specified for a guaranteed space request but one or more of these volumes was rejected. There may be another message that indicates which volume was rejected and for what reason. No message is issued if the reason for rejection was lack of space.

In the message text:

***dsname***

The data set name

***vol***

The volume serial number that was rejected

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Replace the rejected volume with another volume and rerun the job.

## Source

Data Facility Product (DFSMS)

---

**IGD17282I****ALLOCATION FOR DATA SET *dsname* FAILED, VOLUMES WERE  
EXPLICITLY SPECIFIED FOR A GUARANTEED SPACE REQUEST BUT  
BELONG TO A DISABLED STORAGE GROUP**

### Explanation

Volume(s) were explicitly specified for a guaranteed space request but belong to a Storage Group that has been disabled or quiesced for new allocations.

In the message text:

***dsname***

The The data set name

### System action

The SMS VTOC Data Set Services request fails.

### Programmer response

Either alter the status of the Storage Group to enabled or change the volsers of the volumes specified.

### Source

Data Facility Product (DFSMS)

---

**IGD17283I****STORAGE GROUP *sg* REJECTED, TRACK SIZE IS NOT LARGE ENOUGH  
FOR THE NO-CONVERT INTERFACE, ALLOCATION CONTINUES FOR  
DATA SET *dsname***

### Explanation

Explanation: The no-convert interface is a special interface, used primarily by DFDSS that requires that the track size of the selected volume be equal to or greater than the track size specified on the allocation request. All Storage Groups that do not meet this criteria are rejected and the allocation continues with any other Storage Groups that may have been selected. If there are no other Storage Groups, the allocation fails.

In the message text:

***sg***

The rejected storage group

***dsname***

The The data set name

### System action

The SMS VTOC Data Set Services request fails.

### Programmer response

Correcting this situation may require that the ACS routines be modified to select an appropriate Storage Group, in other words, one that meets the track size criterion.

### Source

Data Facility Product (DFSMS)

---

**IGD17284I****ALLOCATION ON STORAGE GROUP *sg* WAS ATTEMPTED BUT ENOUGH  
SPACE COULD NOT BE OBTAINED, PROCESSING CONTINUES FOR DATA  
SET *dsname***

## Explanation

In a 'best-fit' request for allocation of a data set, this particular Storage Group was tried but did not have enough space. Allocation will be attempted on another Storage Group or, if there is no other selected Storage Group, the allocation will fail.

In the message text:

***sg***

The rejected storage group

***dsname***

The The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Application Programmer Response: Correcting this situation may require that the ACS routines be modified to select different Storage Groups or make more space available on the Storage Groups that were selected.

## Source

Data Facility Product (DFSMS)

---

**IGD17285I**

**ALLOCATION FOR DATA SET *dsname* FAILED, VOLUMES WERE  
EXPLICITLY SPECIFIED FOR A GUARANTEED SPACE REQUEST BUT  
FAILED ONE OR MORE REQUIREMENTS**

## Explanation

Volumes were explicitly specified for a guaranteed space allocation but were rejected for one or more reasons:

- Volser does not meet the Extended Format specification in the data class.
- Volser does not meet the Availability or Accessibility specification in the storage class.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Change the volumes specified or change the Storage Class selected to one that does not specify guaranteed space.

## Source

Data Facility Product (DFSMS)

---

**IGD17286I**

**SPACE CONSTRAINT RELIEF WAS USED TO ALLOCATE DATA SET  
*dsname, var1, var2, var3,***

## Explanation

Space could not be allocated for the data set in the normal manner. One or more of the following actions had to be taken:

- The data set was spread over more than one volume
- The requested primary space amount was reduced up to the percentage specified in the DATA CLASS
- More than 5 extents were used to allocate the requested space

The text corresponding to *var1*, *var2*, and *var3* is shown and depending on the actions taken by SMS, one or more of these variants will be printed out on the second line of this message.

In the message text:

### ***dsname***

The data set name

### ***var1***

**DATA WAS SPREAD OVER MULTIPLE VOLUME**

### ***var2***

**THE 5 EXTENT LIMIT WAS RELAXED**

### ***var3***

**SPACE WAS REDUCED UP TO *y*%, where *y* is a percentage from 1 - 99.**

## System action

Processing continues

## Programmer response

This is an informational message. No action is required.

## Source

Data Facility Product (DFSMS)

**IGD17287I**

---

**DATA SET *dsname* COULD NOT BE ALLOCATED NORMALLY, SPACE  
CONSTRAINT RELIEF (MULTIPLE VOLUMES) WILL BE ATTEMPTED**

## Explanation

This message is generated at the time that SMS has failed to allocate space in the normal manner. SMS has determined that this is a data set that may exist on more than one volume; therefore, it will attempt to satisfy the allocation with more than one volume, up to the volume amount specified on the allocation request.

**Note:** That the allocation may still fail.

In the message text:

### ***dsname***

The data set name

## System action

Processing continues

## Programmer response

This is an informational message. No action is required.

## Source

Data Facility Product (DFSMS)

---

**IGD17288I**

**DATA SET *dsname* COULD NOT BE ALLOCATED NORMALLY AND IS NOT ELIGIBLE FOR SPACE CONSTRAINT RELIEF (MULTI VOLUME) BECAUSE IT IS A *var1*. SPACE CONSTRAINT RELIEF (SPACE REDUCTION AND/OR 5 EXTENT LIMIT RELIEF) WILL BE ATTEMPTED**

## Explanation

This message is generated at the time that SMS has failed to allocate space for a data set. However, because of the reason mentioned in *var1*, it cannot be allocated as a multi-volume data set. Space reduction (if specified in the DATA CLASS) and/or 5 extent limit relief will be tried.

**Note:** The allocation may still fail, in which case a volume selection failure message will be generated by SMS.

In the message text:

***dsname***

The data set name

***var1***

**SINGLE VOLUME DATA SET, or GUARANTEED SPACE DATA SET, or PARTITIONED DATA SET, or KSDS WITH IMBED ATTRIBUTE, or END-OF-VOLUME SITUATION**

## System action

Processing continues

## Programmer response

This is an informational message. No action is required.

## Source

Data Facility Product (DFSMS)

---

**IGD17289I**

**DATA SET *dsname* COULD NOT BE ALLOCATED WITH SPACE CONSTRAINT RELIEF (MULTIPLE VOLUMES). SPACE REDUCTION AND/OR 5 EXTENT LIMIT RELIEF WILL BE ATTEMPTED**

## Explanation

This message is generated at the time that SMS was already in the space constraint relief path and was attempting to fit the allocation request on more than one volume. This attempt still failed and SMS will now retry the allocation with reduced space (of specified in the DATA CLASS) and with the 5 extent limit removed.

**Note:** The allocation may still fail, and in that case, this message will be followed by an allocation failure message.

In the message text:

***dsname***

The data set name

## System action

Processing continues

## Programmer response

This is an informational message. No action is required.

## Source

Data Facility Product (DFSMS)

---

**IGD17290I**

**THERE WERE *n* CANDIDATE STORAGE GROUPS OF WHICH THE FIRST *y* WERE ELIGIBLE FOR VOLUME SELECTION. *sg1,sg2...***

## Explanation

This message will only be issued when volume selection has failed as an aid to problem determination. It lists all the Storage Groups that were selected by the ACS routines. The first *y* Storage Groups are eligible for volume selection and (*y-n*) Storage Groups have been disabled or quiesced for new allocations.

In the message text:

***n***

The total number of storage groups selected

***y***

The total number of eligible storage groups

***sg1,sg2***

The list of storage groups. Up to 4 lines will be printed.

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

This is an informational message. It will be accompanied by other messages that indicate why the allocation failed.

## Source

Data Facility Product (DFSMS)

---

**IGD17291I**

**DATA SET *dsname* COULD NOT BE ALLOCATED USING BEST-FIT, SPACE CONSTRAINT RELIEF (5 EXTENT LIMIT RELIEF) WILL BE ATTEMPTED**

## Explanation

This message is generated at the time that SMS has failed to allocate space. The terminology 'best-fit' implies that the allocation request was probably the result of a recall, copy, or restore operation. Further, 'best-fit' implies that SMS could use multiple volumes to satisfy the allocation request. If the caller indicates that 'space constraint' may be used, SMS will retry the best-fit allocation with the 5 extent limit removed.

### Note:

1. Space cannot be reduced on restore, copy, or recall operations.
2. Allocation may still fail, and in that case, this message will be followed by an allocation failure message.

In the message text:

***dsname***

The data set name

## System action

Processing continues

## Programmer response

This is an informational message. No action is required.

## Source

Data Facility Product (DFSMS)

---

|                  |  |
|------------------|--|
| <b>IGD17292I</b> | <b>DATA SET <i>dsname</i> IS NOT ELIGIBLE FOR SPACE CONSTRAINT RELIEF BECAUSE IT IS A <i>var1</i>.</b> |
|------------------|--|

---

## Explanation

This message is generated at the time that SMS has failed to allocate space. The DATA CLASS specifies space constraint relief, but the attributes of this data set prevent SMS from providing this relief.

In the message text:

### ***dsname***

The data set name

### ***var1***

**KEYRANGE DATA SET**, or **MULTI-STRIPE DATA SET**, or **NON-SMS DATA SET**

## System action

Processing continues.

## Programmer response

This is an informational message. It will generally be followed by a volume selection failure message. No specific action is required.

## Source

Data Facility Product (DFSMS)

---

|                  |   |
|------------------|---|
| <b>IGD17293I</b> | <b>DATA SET <i>dsname</i> HAS PARTITIONED ORGANIZATION AND IS NOT ELIGIBLE TO BE A MULTI-VOLUME DATA SET, ALLOCATION FAILED</b> |
|------------------|---|

---

## Explanation

This message is generated at the time that SMS determines that the data set has partitioned organization and volume count is greater than 1.

In the message text:

### ***dsname***

The data set name

## System action

The job fails.

## Programmer response

Change the JCL and resubmit the job.

## Source

Data Facility Product (DFSMS)

## Explanation

This is an informational message that is issued by SMS during creation of a new SMS-managed data set or extension of an existing SMS-managed data set to a new volume. This message indicates that fast volume selection approach is used by SMS to allocate the data set. Fast volume selection is requested via FAST\_VOLSEL parameter. For striping allocations, fast volume selection is automatically activated regardless of the specification of the FAST\_VOLSEL parameter. When fast volume selection is used, SMS will first select volumes normally until 100 volumes have been rejected for insufficient free space. At this time, SMS issues this message and excludes volumes that do not have sufficient free space in SMS volume statistics from further selection.

In the message text:

***dsn***

The data set Name

## System action

Processing continues.

## System programmer response

Determine if the data set is allocated or extended as expected, and use volume selection failure reasons to determine why the data set is not allocated or extended as expected. Use SETSMS FAST\_VOLSEL(OFF) command to turn off fast volume selection function if normal volume selection is desired.

## Programmer response

Determine if the data set is allocated or extended as expected, and use volume selection failure reasons to determine why the data set is not allocated or extended as expected.

## Source

Storage Management Subsystem (SMS)

## Explanation

Partitioned organization data sets are single volume data sets.

In the message text:

***dsname***

The data set name

## System action

The allocation request fails.

## User response

Ensure that the DATA CLASS selected for this allocation request does not specify a Dynamic Volume Count greater than 1.



## Source

Storage Management System (SMS)

## Module

IGDVTSCR

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17296I</b> | <b>DYNAMIC VOLUME COUNT (DVC=<i>n</i>) WAS USED TO {ALLOCATE  <br/>EXTEND} DATA SET <i>dsn</i></b> |
|------------------|--|

---

## Explanation

Dynamic Volume Count (DVC) is specified in the data class with a value of *n* and used during allocation processing. DVC has significance only when it is larger than the specified volume count. SMS attempted to allocate a new data set or extend an existing data set to a new volume using the DVC, which is used only after the data set reaches the current volume count.

In the message text:

***n***

A number from 1 to 59

***dsn***

The data set name

## System action

The system continues processing.

## System programmer response

Review volume count and determine if DVC is entered as expected. DVC may be entered in cases such as a low volume count is specified for the data set or the allocation needs more volumes due to space constraints.

## Programmer response

Review volume count and determine if DVC is entered as expected. DVC may be entered in cases such as a low volume count is specified for the data set or the allocation needs more volumes due to space constraints.

## Source

Storage Management System (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17297I</b> | <b>VOLUME LIST FOR <i>dsn</i><br/><i>n category</i> VOLUMES</b> |
|------------------|---|

---

## Explanation

This message is generated for a final VML to display how many volumes are in each category: primary, secondary, tertiary, rejected and total when

VOLSELMSG=ON

In the message text:

***dsn***

The data set name.

***n***

The number of volumes.

***category***

Possible values:

- Primary
- Secondary
- Tertiary
- Rejected
- Total

**System action**

Processing continues.

**Programmer response**

This is an informational message. No action is required.

**Source**

Storage Management System (SMS)

**Routing code**

MISSING INFO.

**Descriptor code**

MISSING INFO.

---

|                  |  |
|------------------|--|
| <b>IGD17301I</b> | <b>VOLUME(S) NOT ENABLED AND/OR ONLINE TO DELETE/RENAME DATA<br/>SET <i>dsname</i></b> |
|------------------|--|

**Explanation**

The volume (or volumes) on which the data set resides is either not online, or not enabled to the storage management subsystem at the time of a delete or rename request.

In the message text:

***dsname***

The data set name.

**System action**

The delete or rename request fails.

**Programmer response**

If the volume is offline, then have the operator vary them online. If the volumes are disabled, then either enable them, or deny the delete or rename request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17302I</b> | <b>UNABLE TO EXTRACT DDNAME FOR DELETE OF DATA SET <i>dsname</i><br/>DYNAMIC ALLOCATION INFORMATION RETRIEVAL RETURN CODE IS<br/><i>rc</i> REASON CODE IS <i>rsnc</i></b> |
|------------------|---|

---

## Explanation

During deletion of a data set, SMS VTOC data set services delete processing received an unexpected return code from dynamic allocation information retrieval.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services delete request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17303I</b> | <b>UNABLE TO ALLOCATE DATA SET <i>dsname</i> FOR DELETE DYNAMIC<br/>ALLOCATION RETURN CODE IS <i>rc</i> REASON CODE IS <i>rsnc</i></b> |
|------------------|--|

---

## Explanation

SMS VTOC data set services delete processing was unable to allocate dynamically the data set specified.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

**System action**

The SMS VTOC data set services delete request fails. Also, the system writes a record describing the error to the logrec data set.

**System programmer response**

Use the logrec data set, the return code and the reason code to determine the error.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD17304I****NON-SMS-MANAGED DATA SET *dsname* ON SMS-MANAGED VOLUME(S)****Explanation**

SMS VTOC data set services delete or rename processing was not able to delete the catalog entry for the data set; the data set is non-SMS managed, and resides on one or more SMS managed volumes that are not in initial status.

In the message text:

***dsname***

The data set name.

**System action**

The SMS VTOC data set services delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

**Programmer response**

To delete or rename the data set, you must give the data set a storage class in its catalog entry.

**Source**

DFSMSdfp

**Routing code**

2

## Descriptor code

4

---

**IGD17305I**

**VOLUMES FOR DATA SET *dsname* ARE COMBINATION OF SMS-MANAGED AND NON-SMS-MANAGED**

## Explanation

The volume definitions for the data set indicate that the data set resides on both SMS and non-SMS volumes. If any piece of a multi-volume data set resides on an SMS managed volume, then all volumes on which the data set resides must be defined to the same storage group, and therefore be defined to SMS.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## Programmer response

Define all volumes on which the data set resides to the same storage group, and retry the delete or rename request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17306I**

**INVALID DYNAMIC ALLOCATION PARAMETER LIST - DYNAMIC ALLOCATION RETURN CODE IS *rc* REASON CODE IS *rsnc* FOR DATA SET *dsname***

## Explanation

While trying to delete a data set, SMS VTOC data set services passed an incorrect parameter list to dynamic allocation.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services delete request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, return code, and historic return code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17307I</b> | <b>INVALID VOLUME LIST OR VOLUME LIST POINTER FOR DATA SET</b><br><i>dsname</i> |
|------------------|---|

## Explanation

Through a pointer in the DADSM scratch/rename parameter list, SMS VTOC data set services delete or rename processing received an incorrect volume list pointer, or the volume list itself is incorrect.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services delete or rename request fails.

## Programmer response

Correct the volume list specification, and retry the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17308I</b> | <b>DELETE/RENAME FAILED - LOCATE FAILED FOR <i>dsname</i></b> |
|------------------|---|

## Explanation

While trying to locate a data set for a delete or rename request, SMS VTOC data set services received an unexpected return code from catalog.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services delete or rename request fails. Also, the system writes a record describing the error to the logrec data set.

## Programmer response

Determine whether the data set is in the catalog. If it is, refer to any preceding messages for the catalog return and reason codes. Catalog return and reason codes are documented under message IDC3009I.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17309I**

**DYNAMIC UNALLOCATION ERROR IN DELETE FOR DATA SET *dsname*  
DYNAMIC ALLOCATION RETURN CODE IS *rc* REASON CODE IS *rsnc***

## Explanation

While trying to unallocate a data set, SMS VTOC data set services delete processing received an unexpected return code from dynamic allocation.

In the message text:

***dsname***

The data set name.

***rc***

The return code.

***rsnc***

The reason code.

## System action

The SMS VTOC data set services delete request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17311I**

**SMS-MANAGED VOLUMES SPECIFIED FOR DELETE/RENAME OF NON-SMS-MANAGED DATA SET *dsname***

## Explanation

SMS VTOC data set services was called to delete or rename a data set and received a list of SMS-managed volumes. However, the data set is a non-SMS managed data set, and does not reside on the SMS managed volumes listed.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services delete or rename request fails.

## Programmer response

Correct the volume list for the data set and retry the delete or rename request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17312I**

**THE VALUE FOR THE KEYWORD MAXGENS SPECIFIED ON THE JCL EXCEEDS THE MAXIMUM ALLOWED BY THE INSTALLATION. THE MAXIMUM ALLOWED IS *maximum*. ALLOCATION FAILED FOR DATA SET *dsname***

## Explanation

The value specified for the MAXGENS parameter on the DD statement in JCL is greater than the upper limit set by MAXGENS\_LIMIT in the IGDSMSxx member of PARMLIB.

In the message text:

***dsname***

The data set name.

***maximum***

The maximum number of generations allowed, defined by MAXGENS\_LIMIT in the IGDSMSxx member of PARMLIB.



## System action

The data set is not allocated.

## Programmer response

Change the value for MAXGENS and retry the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17313I</b> | <b>INPUT ERROR FOR FAST REPLICATION. (<i>reason</i>). ALLOCATION FAILED FOR DATA SET (<i>dsn</i>).</b> |
|------------------|--|

---

## Explanation

This is a failure message that is issued by SMS during the allocation of a data set. SMS failed the allocation because the input parameters provided by the caller are not valid for fast replication.

In the message text:

### ***dsn***

The name of the data set being allocated

### ***reason***

Reason why input parameters were in error. The possible reasons are:

- THE CALLER REQUESTED BOTH SNAPSHOT OPERATION AND FAST REPLICATION OPERATION
- REQUIRED STRIPING WAS REQUESTED BUT THE SOURCE STRIPE COUNT IS ZERO
- THE SOURCE STRIPE COUNT IS NON-ZERO BUT STRIPING WAS NOT REQUESTED
- THE TARGET DATA SET COULD NOT BE SMS MANAGED

## System action

Processing stops.

## System programmer response

Determine why the input parameters are not valid. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

None.

## Source

Data Facility Product (DFSMS)

## Explanation

This is an informational message that is issued by SMS during the allocation of a data set that is intended to be the target of a fast replication operation. The caller indicated that selection of fast replication eligible volumes was 'preferred'. Since ANTRQST QFRVOLS detected an error, SMS will continue the allocation request while ignoring the fast replication preference. Refer to the ANTRQST section in [z/OS DFSMS Advanced Copy Services](#) for information on the QFRVOLS return code, reason code and RETINFO.

In the message text:

**dsn**

The name of the data set being allocated

**rc**

Return code from ANTRQST QFRVOLS

**rsn**

Reason code from ANTRQST QFRVOLS

**retinfo**

Retinfo from ANTRQST QFRVOLS

## System action

Processing continues.

## System programmer response

Determine why the ANTRQST QFRVOLS request failed. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

None.

## Source

Data Facility Product (DFSMS)

## Explanation

This is a failure message that is issued by SMS during the allocation of a data set that is intended to be the target of a fast replication operation. The caller indicated that selection of fast replication eligible volumes was 'required'. Since ANTRQST QFRVOLS detected an error, the allocation is failed. Refer to the ANTRQST section in [z/OS DFSMS Advanced Copy Services](#) for information on the QFRVOLS return code, reason code and RETINFO.

In the message text:

**dsn**

The name of the data set being allocated

**rc**

Return code from ANTRQST QFRVOLS

**rsn**

Reason code from ANTRQST QFRVOLS

**retinfo**

Retinfo from ANTRQST QFRVOLS

**System action**

Processing stops.

**System programmer response**

Determine why the ANTRQST QFRVOLS request failed. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Programmer response**

None.

**Source**

Data Facility Product (DFSMS)

---

**IGD17318I**

**TOTAL SPACE ALLOCATED FOR STRIPED DATA SET *dsn* HAS BEEN INCREASED TO RESIDE IN THE CYLINDER-MANAGED SPACE ON AN EAV.**

**Explanation**

This is an informational message that is issued by SMS during the creation of a new data set that is SMS-managed and striped. This message indicates that the stripes for the data set had to be allocated entirely in the cylinder-managed space. Therefore, the total allocated space will be larger than the requested amount.

In the message text:

***dsn***

The name of the data set being allocated.

**System action**

The processing continues.

**Operator response**

None.

**System programmer response**

None.

**Source**

Storage Management Subsystem (SMS)

---

**IGD17319I**

**CLASS TRANSITION REQUEST COULD NOT BE COMPLETED. REQUIRED DEVICES WERE NOT AVAILABLE. ALLOCATION FAILED FOR DATA SET (*dsn*).**

**Explanation**

The system could not complete the class transition request because the selected Storage Groups did not contain any devices of the required type.

For the Direct Millisecond Response under the DFSMSHsm class, transition in the Storage Class will function as follows:

1. From 1 to 4,  
Class transition must occur on a SSD device.
2. Greater than 4,  
Class transition must occur on a non-SSD device.
3. Blank (default)  
Class transition can occur on any device.

In the message text:

***dsn***

The name of the data set being allocated.

### **System action**

The allocation request fails.

### **Operator response**

None.

### **System programmer response**

None.

### **Programmer response**

Check the ACS routines to ensure that the correct STORAGE GROUPs are selected. If the ACS routines are correct then add volumes of the correct types to the STORAGE GROUPs.

### **Source**

DFSMSdfp

**IGD17320I**

---

**MAXGENS KEYWORD IS INVALID FOR SPECIFIED DSNTYPE.  
ALLOCATION FAILED FOR DATA SET *dsn***

### **Explanation**

A message will be issued when the MAXGENS keyword is coded with any other data set type other than a PDSE.

In the message text:

***dsn***

The name of the data set.

### **System action**

The allocation request fails.

### **Operator response**

None.

### **System programmer response**

None.

## Programmer response

Correct the input request to SMS.

## Source

DFSMSdfp

---

**IGD17321I**

**CLASS TRANSITION REQUEST FAILED FOR DATA SET (*dsn*). INVALID  
PARAMETER LIST SUPPLIED.**

## Explanation

The class transition request could not be completed because the caller turned on flags that are invalid for a class transition request.

In the message text:

***dsn***

The name of the data set.

## System action

The allocation request fails.

## Operator response

None.

## System programmer response

None.

## Programmer response

Correct the input request to SMS.

## Source

DFSMSdfp

---

**IGD17329I**

**DATASET *dsname* WAS ALLOCATED ON VOLUME(S) WHICH ARE NOT  
ELIGIBLE FOR PRESERVE MIRROR. PREFERRED PRESERVE MIRROR  
WAS SPECIFIED BY THE CALLER.**

## Explanation

This is an informational message that is issued by SMS at the end of a successful allocation. The COPY operation requested fast replication. Additionally, it requested that volume selection prefer volumes that supported preserve mirror. All volumes selected support fast replication, but the preserve mirror condition could not be met. This message is followed by one or more IGD17268I messages providing a breakdown of why fast replication and preserve mirror eligible volumes could not be selected. IGD17269I messages might also be generated to provide a breakdown of why volumes were rejected.

In the message text:

***dsn***

The name of the data set being allocated.

## System action

The processing continues.

## Operator response

None.

## System programmer response

Determine why preserve mirror eligible volumes could not be selected, and take action to rectify the situation.

## Source

Data Facility Product (DFSMS)

---

|                  |  |
|------------------|--|
| <b>IGD17330I</b> | <b>DATA SET (<i>dsn</i>) WAS ALLOCATED ON VOLUME(S) WHICH ARE NOT ELIGIBLE FOR FAST REPLICATION. PREFERRED FAST REPLICATION WAS SPECIFIED BY THE CALLER.</b> |
|------------------|--|

---

## Explanation

This is an informational message that is issued by SMS at the end of a successful allocation. The copy operation requested that volume selection prefer target volumes that were eligible to fast replicate the source data set. However, volume selection was unable to do so. This message will be followed by one or more IGD17268I messages, providing a breakdown of why fast replication eligible volumes could not be selected and/or IGD17269I messages which provide a breakdown of why volumes were rejected.

In the message text:

### ***dsn***

The name of the data set being allocated

## System action

Processing continues.

## System programmer response

Determine why fast replication eligible volumes could not be selected and take action to rectify the situation.

## Programmer response

Determine why fast replication eligible volumes could not be selected and take action to rectify the situation.

## Source

Data Facility Product (DFSMS)

---

|                  |   |
|------------------|---|
| <b>IGD17331I</b> | <b>DATA SET (<i>dsn</i>) COULD NOT BE ALLOCATED. (<i>variable text</i>) FAST REPLICATION WAS SPECIFIED BY THE CALLER.</b> |
|------------------|---|

---

## Explanation

This is a failure message that is issued by SMS. The copy operation requested that volume selection either require or give preference to target volumes that were eligible to fast replicate the source data set. However, volume selection failed. This message will be followed by other failure messages including one or more IGD17279I messages, which provide a breakdown of why volumes could not be selected.

In the message text:

***dsn***

The name of the data set being allocated

***variable text***

REQUIRED|PREFERRED

**System action**

Processing stops.

**System programmer response**

Determine why fast replication eligible volumes could not be selected and take action to rectify the situation.

**Programmer response**

Determine why fast replication eligible volumes could not be selected and take action to rectify the situation. You may either ensure that fast replication volumes are available or modify the copy request to 'not require' fast replication.

**Source**

Data Facility Product (DFSMS)

---

**IGD17332I**

**DATA SET (*dsn*) WAS ALLOCATED ON VOLUMES WHICH ARE ELIGIBLE FOR FAST REPLICATION. (*variable text*) FAST REPLICATION WAS SPECIFIED BY THE CALLER.**

**Explanation**

This is an informational message that is issued by SMS at the end of a successful allocation. The copy operation requested that volume selection either require or prefer target volumes that were eligible to fast replicate the source data set. This was accomplished.

In the message text:

***dsn***

The name of the data set being allocated

***variable text***

REQUIRED|PREFERRED

**System action**

Processing continues.

**System programmer response**

None.

**Programmer response**

None. This is an informational message only.

**Source**

Data Facility Product (DFSMS)

---

**IGD17333I**

**DATA SET (*dsn*) COULD NOT BE ALLOCATED BECAUSE ITS OPTIMUM STRIPE COUNT (*var1*) WAS LESS THAN THE STRIPE COUNT (*var2*) OF THE SOURCE FOR REQUIRED FAST REPLICATION.**

## Explanation

This is a failure message issued by SMS. The copy operation specified 'required' fast replication, but this conflicted with the 'optimum stripe count' requirement. The 'optimum stripe count' is determined from the Sustained Data Rate in the storage class for the non-guaranteed space request, the volume count for the guaranteed space request, and the largest possible stripe count can be allocated for the data set. Note that, in general, if the stripe count of the target data set is different from the stripe count of the source data set, then this represents a fundamental conflict between striping requirements and fast replication requirements. In situations where this occurs, fast replication will not be possible. Allocation was failed.

In the message text:

***dsn***

Data set name

***var1***

Stripe count computed by SMS for the data set being allocated

***var2***

Stripe count of the source data set passed in by the caller

## System action

Processing continues.

## System programmer response

If 'fast replication' is necessary, then you must ensure that the 'sustained data rate' in the selected Storage Class is such that the computed 'optimum stripe count' matches the stripe count of the source and the candidate storage groups have sufficient volumes for fast replication.

## Programmer response

More than one option is available. You may change the copy request from 'require' fast replication to 'prefer' fast replication. If 'fast replication' is necessary, then you must ensure that the 'sustained data rate' in the selected Storage Class is such that the computed 'optimum stripe count' matches the stripe count of the source and the candidate storage groups have sufficient volumes for fast replication.

## Source

Data Facility Product (DFSMS)

---

**IGD17334I**

**DATA SET (*dsn*) COULD NOT BE ALLOCATED BECAUSE ITS STRIPE COUNT (*var1*) DID NOT MATCH THE STRIPE COUNT (*var2*) OF THE SOURCE FOR REQUIRED FAST REPLICATION.**

## Explanation

This is a failure message issued by SMS. The copy operation specified 'required' fast replication, but SMS was not able to match the stripe count of the target data set with the stripe count of the source. Note that, in general, if the stripe count of the target data set is different than the stripe count of the source data set, then this represents a fundamental conflict between striping requirements and fast replication requirements. In situations where this occurs, fast replication will not be possible. Allocation was failed.

In the message text:

***dsn***

Data set name

***var1***

Stripe count computed by SMS for the data set being allocated



**var2**

Stripe count of the source data set passed in by the caller

**System action**

Processing stops.

**System programmer response**

If 'fast replication' is necessary, then you must ensure that the candidate Storage Groups have an exact number of eligible fast replication volumes to match the stripe count of the source data set.

**Programmer response**

You may change the copy request from 'require' fast replication to 'prefer' fast replication. If 'fast replication' is necessary, then you must ensure that the candidate Storage Groups have an exact number of eligible fast replication volumes to match the stripe count of the source data set.

**Source**

Data Facility Product (DFSMS)

---

|                                |  |
|--------------------------------|--|
| <b>IGD17337I (form 1 of 2)</b> | <b>AOM SFILIST SERVICE RETURNED AN ERROR WHILE DEFINING DATA SET (<i>dsn</i>) CLOUD NAME IS (<i>cloud_name</i>) RETURN CODE IS (<i>rc</i>) REASON CODE IS (<i>rsnc</i>).</b> |
|--------------------------------|--|

---

**Explanation**

This is a failure message issued by SMS when recovering a data set from the specified cloud. SMS invokes AOM SFILIST service to determine the cloud eligibility of each candidate volume, but AOM SFILIST encountered an error or exceptional condition.

In the message text:

***dsn***

Data set name

***cloud\_name***

Name of the cloud that a data set is being recovered from

***rc***

Return code

***rsn***

Reason code

**System action**

The SMS VTOC data set services define request fails.

**System programmer response**

Refer to [z/OS DFSMSdftp Diagnosis](#) for an explanation of the return and reason codes from AOM SFILIST service. If the problem cannot be determined, contact the IBM Support Center for assistance.

**Programmer response**

Refer to [z/OS DFSMSdftp Diagnosis](#) for an explanation of the return and reason codes from AOM SFILIST service.

## Source

Data Facility Product (DFSMS)

---

**IGD17337I (form 2 of 2)**

**AOM SFILIST SERVICE RETURNED AN ERROR WHILE DEFINING DATA SET (*dsn*) RETURN CODE IS (*rc*) REASON CODE IS (*rsnc*).**

## Explanation

This is a failure message issued by SMS when recovering a data set from the specified cloud. SMS invokes AOM SFILIST service to determine the cloud eligibility of each candidate volume, but AOM SFILIST encountered an error or exceptional condition.

In the message text:

### ***dsn***

Data set name

### ***cloud\_name***

Name of the cloud that a data set is being recovered from

### ***rc***

Return code

### ***rsn***

Reason code

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Refer to *z/OS DFSMSdfp Diagnosis* for an explanation of the return and reason codes from AOM SFILIST service. If the problem cannot be determined, contact the IBM Support Center for assistance.

## Programmer response

Refer to *z/OS DFSMSdfp Diagnosis* for an explanation of the return and reason codes from AOM SFILIST service.

## Source

Data Facility Product (DFSMS)

---

**IGD17338I (form 1 of 2)**

**ALLOCATION FAILED FOR DATA SET (*dsn*) BECAUSE THE TARGET STRIPE COUNT (*n*) COULD NOT BE MET. CLOUD NAME IS (*cloud\_name*)**

## Explanation

This is a failure message issued by SMS when recovering a data set from the specified cloud. SMS was not able to allocate the target data set to the requested stripe count.

In the message text:

### ***dsn***

Data set name

### ***n***

Target stripe count requested by the caller

### ***cloud\_name***

Name of the cloud that a data set is being recovered from

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Ensure that the candidate storage groups have cloud or single SFI eligible volumes to satisfy the requested stripe count.

## Programmer response

Ensure that the candidate storage groups have a sufficient cloud or single SFI eligible volumes to satisfy the requested stripe count.

## Source

Data Facility Product (DFSMS)

---

|                                |   |
|--------------------------------|---|
| <b>IGD17338I (form 2 of 2)</b> | <b>ALLOCATION FAILED FOR DATA SET (<i>dsn</i>) BECAUSE THE TARGET STRIPE COUNT (<i>n</i>) COULD NOT BE MET.</b> |
|--------------------------------|---|

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## Explanation

This is a failure message issued by SMS when recovering a data set from the specified cloud. SMS was not able to allocate the target data set to the requested stripe count.

In the message text:

***dsn***

Data set name

***n***

Target stripe count requested by the caller

***cloud\_name***

Name of the cloud that a data set is being recovered from

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Ensure that the candidate storage groups have cloud or single SFI eligible volumes to satisfy the requested stripe count.

## Programmer response

Ensure that the candidate storage groups have a sufficient cloud or single SFI eligible volumes to satisfy the requested stripe count.

## Source

Data Facility Product (DFSMS)

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|                                |   |
|--------------------------------|---|
| <b>IGD17339I (form 1 of 2)</b> | <b>ALLOCATION FAILED FOR MULTI-VOLUME DATA SET (<i>dsn</i>) BECAUSE IT COULD NOT BE ALLOCATED IN A SINGLE SFI. CLOUD NAME IS (<i>cloud_name</i>).</b> |
|--------------------------------|---|

---

## Explanation

This is a failure message issued by SMS when recovering a data set from the specified cloud or SFI. For a cloud or same SFI operation, the target multi-volume data set must reside in a single SFI. The allocation failed as SMS was not able to allocate the entire multi-volume data set in one SFI.

In the message text:

***dsn***

Data set name

***cloud\_name***

Name of the cloud that a data set is being recovered from

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Ensure that the candidate storage groups have a sufficient (cloud/single SFI) eligible volumes in the SFI to satisfy the multi-volume allocation.

## Programmer response

Ensure that the candidate storage groups have cloud or single SFI eligible volumes in the SFI to satisfy the multi-volume allocation.

## Source

Data Facility Product (DFSMS)

**IGD17339I (form 2 of 2)**

**ALLOCATION FAILED FOR MULTI-VOLUME DATA SET (*dsn*) BECAUSE IT  
COULD NOT BE ALLOCATED IN A SINGLE SFI.**

## Explanation

This is a failure message issued by SMS when recovering a data set from the specified cloud or SFI. For a cloud or same SFI operation, the target multi-volume data set must reside in a single SFI. The allocation failed as SMS was not able to allocate the entire multi-volume data set in one SFI.

In the message text:

***dsn***

Data set name

***cloud\_name***

Name of the cloud that a data set is being recovered from

## System action

The SMS VTOC data set services define request fails.

## System programmer response

Ensure that the candidate storage groups have a sufficient (cloud/single SFI) eligible volumes in the SFI to satisfy the multi-volume allocation.

## Programmer response

Ensure that the candidate storage groups have cloud or single SFI eligible volumes in the SFI to satisfy the multi-volume allocation.

## Source

Data Facility Product (DFSMS)

**IGD17340I**

**BYPASS CLUSTER PREFERENCING WAS REQUESTED BY *requester*.  
SOME VOLUMES HAVE BEEN PREFERRED WITHIN THE SAME SFI.  
ALLOCATION CONTINUES.**

## Explanation

SMS prefers to allocate or extend a multi-volume data set to the candidate volumes that are in the same CLUSTER when the storage class Accessibility = Continuous or Continuous Preferred. However, *requester* has requested SMS to bypass cluster preferencing. SMS prefers all the candidate volumes that are in the same SFI as the source. In the mixed environment where the candidate volume list contains both IBM and non-IBM devices, if *requester* is HARDWARE, all the volumes from the same hardware on which the server independent feature flag is ON will be treated within the same CLUSTER.

In the message text:

***requester***

Can be one of the following:

- PARMLIB
- APPLICATION
- HARDWARE

## System action

Processing continues.

## Operator response

None.

## Problem determination

None.

**IGD17341I**

**PROCESSING FOR DATA SET *dsname* COULD NOT BE COMPLETED.  
CALLER DID NOT SUPPLY A STORAGE GROUP.**

## Explanation

During Physical Data Set Recovery (PDSR) processing, DFSMSHsm requests SMS VTOC data set services to rank volumes in the provided storage group. DFSMSHsm must provide one and only one storage group to SMS. If no storage group is provided, SMS fails the request with this message.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## System programmer response

Determine why no storage group is provided by DFSMSHsm. Search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

This is a system error. Contact your system programmer.

## Source

Storage management Subsystem (SMS)

---

**IGD17342I**

**PROCESSING FOR DATA SET *dsname* COULD NOT BE COMPLETED.  
THERE WERE NO ELIGIBLE VOLUMES AVAILABLE TO PASS BACK TO  
THE CALLER.**

## Explanation

During Physical Data Set Recovery (PDSR) processing, DFSMSHsm requested SMS to rank volumes in the provided storage group. However all candidate volumes in the storage group were rejected by SMS VTOC data set services and there were no eligible volumes available to satisfy the current request and pass back to DFSMSHsm.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## System programmer response

Determine why all candidate volumes in the storage group were rejected during SMS VTOC data set processing.

## Programmer response

Determine why all candidate volumes in the storage group were rejected during SMS VTOC data set processing.

## Source

Storage management Subsystem (SMS)

---

**IGD17345I**

**UNEXPECTED CATALOG ERROR WHEN DELETING DATA SET *dsn* FOR  
*alloctype* ALLOCATION. CATALOG RC (*rc*) RSN (*rsnc*) IGG0CLxx.**

## Explanation

This is an informational message issued by SMS during the deletion of a data set that is intended to be the target of a cloud, fast replication , or VSAM encryption operation. Catalog management module IGG0CLxx return code *rc*, and reason code *rsnc*.

In the message text:

***dsn***

The data set name being deleted

***alloctype***

Allocation Type (can be one of the following):

- CLOUD
- FAST REPLICATION

***rc***

Return Code returned by Catalog

***rsnc***

Reason Code returned by Catalog

**System action**

Processing continues.

**System programmer response**

See message IDC3009I for an explanation of catalog return and reason codes *rc* and *rsnc*. Use the record in the logrec data set if you still cannot correct the error.

**Programmer response**

None. This is an informational message only.

**Source**

Data Facility Product (DFSMS)

---

**IGD17349I**

**ALLOCATION REQUEST FAILED BECAUSE OF ORPHAN NVR ENTRY FOR  
DATA SET *dsn***

**Explanation**

The following condition is detected by the system. The user was attempting to allocate a new generation of a GDG. The volume selected for the allocation had a data set with the same name in the VTOC, but there was no catalog entry implying that this was not a GDG reclaim situation. As a result of this failure, SMS will create a CATALOG entry to match the VTOC entry. Both the VTOC entry and this CATALOG entry should be deleted.

In the message text:

***dsn***

The data set name

**System action**

The allocation fails.

**Programmer response**

Determine the fully qualified name, including the *GnnnnVnnn* number, of the data set that you are trying to allocate and delete both the VTOC and catalog entry. Then, resubmit the job.

**Source**

Data Facility Product (DFSMS)

**Routing code**

2

**Descriptor code**

4

---

**IGD17350I**

**INVALID DADSM CREATE PARAMETER LIST SUPPLIED TO SMS VTOC  
DATA SET SERVICES**

## Explanation

SMS VTOC data set services received a DADSM create parameter list that did not specify one of the following: a JFCB, a model DSCB, or an absolute DSCB interface. The DACFLAG1 field in the parameter list is incorrectly specified.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set to determine why the DADSM create parameter list is incorrect and who built the list; then correct the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17351I</b> | <b>SPACE REQUESTED IS TOO LARGE. ALLOCATION FAILED FOR DATA SET</b><br><i>dsname</i> |
|------------------|--|

## Explanation

SMS detected one of the following two conditions:

- The converted space in MB, for DD or dynamic defined VSAM data set, exceeds X'FFFFFF' that is maximum value supported for the space fields (3 bytes) in the space FPL
- After JCL, LIKE= and DATA CLASS merge processing, SMS detected that the PRIMARY and/or SECONDARY space quantity was greater than X'7FFFFFFF' Megabytes which is the maximum value that DADSM can handle.

In the message text:

***dsname***

The data set name

## System action

The system fails the allocation.

## User response

Specify a smaller space quantity.

## Source

Storage Management Subsystem (SMS)

## Module

IGDVT SCT, IGDVTSDP



## Routing code

2

## Descriptor code

4

---

**IGD17352I****REASON CODE *rsnc* RECEIVED FROM SJF FOR DATA SET *dsn***

---

## Explanation

SMS VTOC data set services called the scheduler JCL facility (SJF) to retrieve information specified on a DD statement, and received an unexpected reason code for one of the requested fields.

In the message text:

### ***dsname***

The data set name.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set to determine why the error occurred.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17353I****SMS-MANAGED VOLUMES SPECIFIED FOR NON-SMS-MANAGED DATA SET *dsn***

---

## Explanation

The data set creation request for the data set specified that a non-SMS data set was being created; however, the volumes specified on the request are SMS managed.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Make sure that all volumes specified on the define request are non-SMS managed volumes; then resubmit the request.

## Source

DFSMSdfp

---

**IGD17354I**

**UNEXPECTED RETURN CODE FROM AUTOMATIC CLASS SELECTION  
SERVICES RETURN CODE IS *rc* REASON CODE IS *rsnc* DATA SET BEING  
PROCESSED IS *dsname***

## Explanation

SMS VTOC data set services received an unexpected return code from automatic class selection (ACS) services.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17355I**

**SPACE PARAMETER IN THE PARTIAL DSCB IS INCORRECT FOR DATA  
SET *dsname***

## Explanation

Via the partial DSCB interface, SMS VTOC data set services received an incorrect space parameter. The parameter may contain a units specification that was not for either tracks, cylinders, average block, kilobytes, or megabytes.

In the message text:

### ***dsname***

The data set name.

### System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

### System programmer response

Use the logrec data set to determine who called SMS VTOC data set services, and why the space parameter contains an incorrect unit specification.

### Source

DFSMSdfp

### Routing code

2

### Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17356I</b> | <b>GDG RECLAIM REQUEST WAS SUCCESSFULLY PROCESSED FOR DATA SET <i>dsname</i></b> |
|------------------|--|

### Explanation

A deferred roll-in generation data set (GDS) was successfully reclaimed.

In the message text:

***dsname***  
The data set name.

### System action

The system continues processing.

### Source

DFSMSdfp

---

|                  |  |
|------------------|--|
| <b>IGD17357I</b> | <b>GDG RECLAIM REQUEST FAILED FOR DATA SET <i>dsname</i></b> |
|------------------|--|

### Explanation

An attempt to reclaim a deferred roll-in generation data set (GDS) failed. Preceding messages indicate the reason for the failure.

In the message text:

***dsname***  
The data set name.

### System action

The SMS VTOC data set services request fails.

## Programmer response

Refer to any preceding messages to determine the cause of the failure, and the appropriate actions to correct the error.

## Source

DFSM Sdfp

## Routing code

2

### Descriptor code

4

IGD17358I

**GDS RECLAIM PROCESSING WAS DISALLOWED FOR DATA SET *dsn***

### Explanation

DFSMSDfp issues this message when an attempt to create a new generation of a GDS fails because a generation with the same name exists but has not been rolled in. The failure occurs because the user specified GDS\_RECLAIM=NO in the IGDSMSxx member of SYS1.PARMLIB or used the SETSMS command to specify GDS RECLAIM=NO.

In the message text:

***dsn***

The data set name.

## System action

The allocation request for the data set fails.

## Operator response

If the user specified GDS RECLAIM=NO erroneously, reset it to YES.

## System programmer response

Refer to the application programmer response.

## Programmer response

If the user specified GDS\_RECLAIM=NO erroneously, then contact the system operator to reset it to YES. Otherwise, take steps either to roll the data set that is causing this problem into the GDS or to rename or delete the data set.

### Source

DFSMSdfp

## Module

IGDVTSCR

## Routing code

2

## Descriptor code

4

---

**IGD17359I**

**PASSWORD SPECIFICATION IGNORED FOR DATA SET *dsname***

## Explanation

The JCL for a request involving the data set specified a password. Passwords on the JCL are ignored for SMS managed data sets.

In the message text:

***dsname***

The data set name.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17360I**

**RETENTION PERIOD OR EXPIRATION DATE IGNORED FOR TEMPORARY  
DATA SET *dsname***

## Explanation

The retention period or expiration date specified on JCL for a temporary data set is ignored.

In the message text:

***dsname***

The data set name.

## System action

The system continues processing.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17361I**

**NON-SMS-MANAGED VOLUMES SPECIFIED FOR SMS-MANAGED DATA  
SET *dsn***

## Explanation

SMS VTOC data set services VSAM extend processing received non-SMS managed volumes for an SMS managed data set.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set to determine why the non-SMS managed volumes were passed for an SMS managed data set.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17362I**

**UNABLE TO LOCATE AN SMS-MANAGED DATA SET OR A VSAM DATA SET DURING EOVS PROCESSING DATA SET NAME IS *dsname***

## Explanation

SMS VTOC data set services VSAM EOVS processing issued a locate request for the data set to the catalog. The locate failed because the data set is not in the catalog; all SMS managed data sets must be cataloged.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services extend request fails.

## Programmer response

Refer to any preceding messages to determine why the locate request failed.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17364I**

**DATA SET *dsname* NOT AUTHORIZED TO EXPIRATION DATE SPECIFIED  
EXPIRATION DATE RESET TO MAXIMUM ALLOWED *yyddd***

## Explanation

On the request for a data set, the expiration date or retention period specified is greater than the maximum allowed for the management class that is effective for that data set. Therefore, the maximum value for the expiration date or retention period, is computed and assigned to the data set.

In the message text:

### ***dsname***

The data set name.

### ***yyddd***

The maximum value for the expiration date or retention period. A value of 0.0 in the *yyddd* field means that the Retention Limit in the management class is zero, and a user-specified or data class derived EXPDT or RETPD is ignored, and the management class expiration attributes will be used.

## System action

The system continues processing.

## Programmer response

If the value of *yyddd* is acceptable, no response is required. Otherwise, do one of the following:

- Change the expiration date in the current management class before resubmitting the request.
- Force the selection of a different management class when you resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17365I**

**EXTENT REDUCTION FAILED FOR DATA SET *dsname***

## Explanation

A SMS VTOC data set services extent reduction request for the data set failed. One possible reason for the failure is that not enough space could be obtained; other reasons are indicated by preceding messages.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

If the request failed because not enough space could be obtained, either reduce the amount of space requested or make more space available on the volume. Otherwise, refer to any preceding messages to determine why the request failed.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17366I</b> | <b>UNEXPECTED RETURN CODE FROM DEVICE INFORMATION SERVICES<br/>DURING VOLUME SELECTION FOR DATA SET <i>dsname</i> RETURN CODE IS<br/><i>rc</i> REASON CODE IS <i>rsnc</i></b> |
|------------------|---|

## Explanation

While creating a data set, SMS VTOC data set services called device information services to get device characteristics. Device information services returned an unexpected return code.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services create request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set, the return code and the reason code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17367I</b> | <b>DATASET ORGANIZATION CONFLICTS WITH RECORD FORMAT</b> |
|------------------|--|



## Explanation

The record format and the data set organization are incompatible. The record format provided is fixed standard (FS) and the data set organization is partitioned.

## System action

The SMS VTOC data set services allocation request fails.

## System programmer response

Change the record format or the data set organization and resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

IGD17368I

UNEXPECTED RETURN CODE FORM UCBSCAN SERVICES WHILE  
PROCESSING DATA SET *dsname* RETURN CODE IS *rc* REASON CODE  
IS *rsnc*.

## Explanation

During allocation of the referenced data set, UCBSCAN services was unable to complete successfully. This error occurs only when a VIO data set is being allocated.

In the message text:

### ***dsname***

The specified data set.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services allocation request fails.

## System programmer response

Contact the IBM Support Center.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17369I**

**UNEXPECTED RETURN CODE FROM EDTINFO SERVICES WHILE  
PROCESSING DATA SET *dsname* RETURN CODE IS *rc* REASON CODE  
IS *rsnc*.**

## Explanation

During allocation of the referenced data set, EDTINFO services was unable to complete successfully. This error occurs when a VIO data set is being allocated and may be caused by an incorrect value for the device type in the storage group. Note that the storage group in question will be a VIO storage group.

In the message text:

### ***dsname***

The specified data set.

### ***rc***

The return code.

### ***rsnc***

The reason code.

## System action

The SMS VTOC data set services allocation request fails.

## System programmer response

Contact the IBM Support Center.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17370I**

**UNEXPECTED RETURN CODE FROM UCBLOOK SERVICES WHILE  
PROCESSING DATA SET *dsname* RETURN CODE IS *rc* REASON CODE  
IS *rsnc*.**

## Explanation

During allocation of the referenced data set, UCBLOOK services was unable to complete successfully. This error occurs when the LIKE keyword is specified and it references a partitioned data set (PDS). The error may occur if the volume on which the LIKE data set resides is not available.

In the message text:

### ***dsname***

The specified data set.

### ***rc***

The return code.

***rsnc***

The reason code.

**System action**

The SMS VTOC data set services allocation request fails.

**System programmer response**

Contact the IBM Support Center.

**Source**

DFSMSdfp

**Routing code**

2

**Descriptor code**

4

---

**IGD17371I** **VIO UNIT *unit* IS NOT DEFINED TO THE SYSTEM FOR DATA SET *dsname*****Explanation**

During allocation of the referenced data set, the system determined that the named unit for the selected virtual input output (VIO) storage group was not defined.

In the message text:

***unit***

The VIO unit.

***dsname***

The data set name.

**System action**

The system fails the SMS VTOC data set services allocation request.

**System programmer response**

Either disable the VIO storage group to the selected system or change the unit name in the VIO storage group to match a unit defined to the system.

**Source**

Data Facility Storage Management Subsystem (DFSMS)

**Module**

IGDVTSV1

**Routing code**

2

# Descriptor code

4

|                  |  |
|------------------|--|
| <b>IGD17372I</b> | <b>JOBNAME <i>jobname</i> PROGRAM NAME <i>progrname</i> STEPNAME <i>stepname</i><br/>DDNAME <i>ddn</i>. DATA SET SEPARATION BY (<i>sep_level</i>) COULD NOT BE<br/>PROVIDED FOR DATA SET <i>dsn</i>. DATA SET SEPARATION PROFILE <i>profile</i>.</b> |
|------------------|--|

## Explanation

SMS could not separate the data set being allocated from other data sets listed in the installation data set separation profile by the specified separation types.

In the message text:

- jobname***  
The name of the allocating job
- progrname***  
The program name
- stepname***  
The name of the allocating step
- ddn***  
The data definition name
- sep\_level***  
Separation level, PCU or VOL, or both
- dsn***  
The name of the data set being allocated
- profile***  
The name of the data set separation profile

## System action

Processing continues without data set separation for the specified data set. This message appears in both the job log and the hardcopy log.

## Operator response

None

## System programmer response

For separating allocated data sets, refer to your established operational procedures.

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDVTSC2

|                  |   |
|------------------|---|
| <b>IGD17373I</b> | <b>JOBNAME <i>jobname</i> PROGRAM NAME <i>progrname</i> STEPNAME <i>stepname</i><br/>DDNAME <i>ddn</i>. {ASYNCHRONOUS OPERATION MGR.   COMMON FILTER<br/>SERVICES   CATALOG SERVICES} RETURNED AN UNEXPECTED<br/>RETURN CODE WHILE PROCESSING DATA SET SEPARATION FOR DATA<br/>SET <i>dsn</i>. DATA SET SEPARATION PROFILE <i>profile</i>. RETURN CODE<br/><i>rc</i> REASON CODE <i>rsn</i> DIAG INFO <i>mm</i> {ALLOCATION CONTINUES  <br/>ALLOCATION FAILED}.</b> |
|------------------|---|

## Explanation

This message was generated during allocation of an SMS-managed data set for which data set separation was requested. The specified service was unable to complete the SMS request.

In the message text:

***jobname***

The name of the allocating job

***progrname***

The program name

***stepname***

The name of the allocating step

***ddn***

The data definition name

***dsn***

The name of the data set being allocated

***profile***

The name of the data set separation profile requesting separation

***rc***

The 4-byte return code, in hexadecimal

***rsn***

The 4-byte reason code, in hexadecimal

***mm***

The 2-byte catalog module identifier

## System action

Depending on the action specified in the data set separation profile, the allocation is either failed or allowed to continue without regard to data set separation.

## Operator response

Notify the system programmer.

## System programmer response

For a full explanation of return and reason codes, refer to [\*z/OS DFSMSdfp Diagnosis\*](#). If allocation continues, SMS might not have enough information to determine if separation was achieved. A function identified in the message as asynchronous operations manager (AOM) with a return code of 4 indicates that a volume in the SMS allocation eligible volume list is not available (reasons 01 and 03) or that a volume returned by the catalog in the separation list is not available (reasons 02 and 03).

## Source

Storage Management Subsystem (DFSMS)

## Module

IGDVTSPF

---

**IGD17380I**

**STORAGE GROUP (*sgname*) IS ESTIMATED AT *xx*% OF CAPACITY,  
WHICH EXCEEDS ITS HIGH ALLOCATION THRESHOLD OF *zz*%**

# Explanation

DFSMSdfp issues this message when SMS detects that the cumulative space allocated on the storage group used for allocation has exceeded the high allocation threshold for that storage group. This detection will only occur when creating a new SMS-managed data set or extending an existing SMS-managed data set to a new volume in the storage group. This does not include EXTEND processing when a data set extends using the secondary allocation amount on the same volume. This message is issued at the first occurrence of exceeding the allocation threshold or at the first occurrence after the issuance of IGD17381I.

In the message text:

**sgname**

The storage group name.

**xx%**

The percent of space utilization in the storage group.

**zz%**

The high allocation threshold of the storage group.

# System action

Processing continues. This message appears in both the printed log and the job log.

# Operator response

None

# System programmer response

Determine if you need to relieve the space utilization in the storage group to prevent space failures from happening.

# Programmer response

None

# Source

DFSMSdfp

# Module

IGDVTSC1

|                  |  |
|------------------|--|
| <b>IGD17381I</b> | <b>STORAGE GROUP (<i>sgname</i>) IS ESTIMATED AT <i>xx%</i> OF CAPACITY, {WHICH HAS FALLEN BELOW ITS LOW ALLOCATION THRESHOLD OF <i>yy%</i>   WHICH HAS FALLEN BELOW 80% OF ITS HIGH ALLOCATION THRESHOLD OF <i>zz%</i>}</b> |
|------------------|--|

# Explanation

DFSMSdfp issues this message when SMS detects that the cumulative space allocated on the storage group used for allocation has fallen below the low allocation threshold or below 80% of the high allocation threshold for that storage group. This detection will only occur when creating a new SMS-managed data set or extending an existing SMS-managed data set to a new volume in the storage group. This message is issued at the first occurrence after the issuance of IGD17380I.

In the message text:

**sgname**

The storage group name.

**xx%**

The percent of space utilization in the storage group.

**yy%**

The low allocation threshold of the storage group.

**zz%**

The high allocation threshold of the storage group.

## System action

Processing continues. This message appears in both the printed log and the job log.

## Operator response

None

## System programmer response

None

## Programmer response

None

## Source

DFSMSdfp

## Module

IGDVTSC1

**IGD17385I**

---

===== {SUMMARIZED|DETAILED} ANALYSIS MESSAGES ON  
{DEFINING|EXTENDING} DATASET *dsn* =====

## Explanation

This is an informational message issued by SMS during creation or extension of an SMS-managed data set. The user has requested the issuance of summary or detailed analysis messages on volume selection.

In the message text:

***dsn***

The data set name.

## System action

The system continues processing.

## Operator response

None

## System programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason. Alter options for the parameters that control the issuance of volume selection analysis messages as necessary.

## Programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason.

## Problem determination

None

## Source

Storage management subsystem (SMS)

---

|                  |  |
|------------------|--|
| <b>IGD17386I</b> | <b>VOLSELMSG({ON OFF},{0 nnnnn ALL}) TYPE({ALL ERROR})</b><br><b>JOBNAME(jobname) ASID(asid) STEPNAME(stepname)</b><br><b>DSNAME(dsname)</b> |
|------------------|--|

---

## Explanation

This is an informational message issued by SMS during creation or extension of an SMS-managed data set. The user has requested the issuance of summary or detailed analysis messages on volume selection. This message displays the options specified for the parameters that control the issuance of volume selection analysis messages.

In the message text:

**nnnnn**

The number of volumes included in detailed analysis messages.

**jobname**

The name of the job.

**asid**

The address space identifier.

**stepname**

The name of the job step.

**dsname**

The data set name.

## System action

The system continues processing.

## Operator response

None

## System programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason. Alter options for the parameters that control the issuance of volume selection analysis messages if required.

## Programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason.



## Problem determination

None

## Source

Storage management subsystem (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17387I</b> | <b>DS_TYPE(ds_type) SC(sc) DC(dc) GS(Y/N) SPACE(mmmm{KB MB},nnnn{KB MB}) BESTFIT({Y/N}) STRIPING({Y/N})</b> |
|------------------|---|

---

## Explanation

This is an informational message issued by SMS during creation or extension of an SMS-managed data set. The user has requested the issuance of summary or detailed analysis messages on volume selection. This message displays key characteristics of the data set that are related to volume selection.

In the message text:

### **ds\_type**

The data set type.

### **sc**

The assigned storage class.

### **dc**

The assigned data class.

### **mmm**

The quantity of space requested for the non-VSAM or VSAM Cluster/Data component.

### **nnnn**

The quantity of space requested for the VSAM Index component.

## System action

The system continues processing.

## Operator response

None

## System programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason. Alter option that control the issuance of volume selection analysis messages as necessary.

## Programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason.

## Problem determination

None

## Source

Storage management subsystem (SMS)

---

|                  |                                      |
|------------------|--------------------------------------|
| <b>IGD17388I</b> | <b>=={POOL OVERFLOW EXTEND} SGsg</b> |
|------------------|--------------------------------------|

---

## Explanation

This is an informational message issued by SMS during creation or extension of an SMS-managed data set. The user has requested the issuance of summary or detailed analysis messages on volume selection. SMS lists the storage group name followed by the volumes in the storage group when VOLSELMSG(ON,ALL|nnnnn) is specified, where *nnnnn* is greater than or equal to the total number of volumes being considered for volume selection.

In the message text:

**sg**

The storage group name.

## System action

The system continues processing.

## Operator response

None

## System programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason. Alter option that control the issuance of volume selection analysis messages as necessary.

## Programmer response

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason.

## Problem determination

None

## Source

Storage management subsystem (SMS)

---

**IGD17389I** *volser ({S|N|R},preference,fail\_flags,diagdata) ...*

## Explanation

This is an informational message issued by SMS during creation or extension of an SMS-managed data set. The user has requested the issuance of summary or detailed analysis messages on volume selection. This message indicates if a volume is selected for use (S), not used (N), or rejected (R), followed by volume selection preference, volume rejected reasons, and DSDSM diagnostic code if the volume was rejected by DADSM.

In the message text:

**volser**

The volume serial number.

**S**

indicates that the volume was selected.

**N**

indicates that the volume was not used.

**R**

indicates that the volume was rejected

### ***preference***

is a five byte flag field, where:

- bytes 1 and 2 indicate:

```
1..... meet PCU separation
criteria if specified
.1..... meet extent pool separation criteria if specified
..1..... meet VOLUME separation criteria if specified
...1.... not space efficient volume
....1.... meet volume count criteria for non-VSAM data set
.....1.. below 120% of high threshold
.....1. meet primary high threshold
.....1. meet secondary high threshold
.....1. enabled SMS status
......1111... multi-tiered storage group ranking if specified
...... ....1.. non-extend storage group
...... ....1. non-overflow storage group
...... ....1 mountable volume
```

- bytes 3 and 4 indicate:

```
1.....
meet Fast Replication or SFI eligibility
.1..... meet Cluster eligibility

..1..... meet Extent Pool eligibility
...1.... meet Controller eligibility
....1.... meet EAS eligibility

.....11. meet meet PREFERRED | STANDARD accessibility
criteria
.....1. meet PREFERRED | STANDARD PAV criteria
.....1..... meet PREFERRED | STANDARD availability criteria

......1..... meet PREFERRED extent format criteria
...... ..111111 not used
```

- bytes 5 and 6 indicate:

```
11111111 MSR band rank
1..... not cloud capable
.1..... rejected due to not enough vols in the SFI
..111111 11111111 not used
```

### ***fail\_flags***

is a four byte flag field that indicates why the volume was rejected, where:

- bytes 1 and 2 indicate:

- 1..... SMS status DISABLED
- .1..... MVS status NOT ONLINE
- ..1..... no UCB available
- ...1.... not meet continuous availability
- ....1... not meet standard. pref, or no-pref availability
- .....1.. not meet accessibility
- .....1. not meet data set separation criteria
- .....1..... rejected for insufficient space for best-fit
- .....1..... rejected by DADSM for duplicate data set name
- .....1..... rejected by DADSM for no room in VTOC or index
- .....1..... rejected by DADSM for I/O or CVAF error
- .....1..... rejected by DADSM installation exit
- .....1..... rejected for insuff total space
- .....1..... rejected by DADSM because not initialized
- .....1..... rejected for insuff free space

- .....1.. rejected by DADSM because EOF mark write failed
- .....1. rejected by DADSM for insufficient space
- .....1 rejected by other DADSM failure
- bytes 3 and 4 indicate:
  - 1..... not meet striping criteria
  - .1..... not an unmountable volume
  - ..1..... no DPCT available
  - ...1.... not on include list
  - ....1... on exclude list
  - .....1.. not correct device type
  - .....1. could not be allocated
  - .....1 ..... not eligible for Class Transition
  - ..... 1..... failed by IGWSSEOV during extend processing
  - ..... .1..... not meet fast replication criteria
  - ..... ..1..... not meet PAV criteria
  - ..... ...1.... not in same SFI as source data set
  - ..... ....1... rejected for insufficient total space
  - ..... .....1.. rejected for insufficient free space
  - ..... .....1. EAV volume rejected due to USEEAV(NO)
  - ..... .....1 space efficient volume rejected for striping
- bytes 5 and 6 indicate:
  - 1..... not cloud capable
  - .1..... rejected due to not enough volumes in SFI
  - ..111111 11111111 not used

***diagdata***

is the DADSM diagnostic code.

## **System action**

The system continues processing.

## **Operator response**

None

## **System programmer response**

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason. Alter option that control the issuance of volume selection analysis messages as necessary.

## **Programmer response**

Review the listed characteristics and determine if the data set is allocated or extended as expected. If not, use the selection analysis messages which follow to determine the reason.

## **Problem determination**

None

## Source

Data Facility Product (DFSMS)

**IGD17395I**

**DATA SET *dsn* WAS NOT ALLOCATED IN THE SAME {STORAGE FACILITY IMAGE | CLUSTER} BECAUSE (*text*)[MODID(*modid*) RC(*rc*) RSN(*rsn*)]**

## Explanation

While creating a new SMS-managed multi-volume data set or extension of an existing SMS-managed data set to a new volume, SMS was not able to allocate all volumes of the data set in the same storage facility image (SFI) or Cluster. (The accessibility parameter in the storage class for the data set contains a value of CONTINUOUS or CONTINUOUS PREFERRED indicating that the data set is preferred to be allocated in the same SFI and Cluster.)

Module id, return code and reason code are included in the message when Catalog Search Interface or AOM services received a non-zero return code.

In the message text:

### ***dsn***

This is the data set name.

### ***text***

This is the failure reason text.

### ***modid***

This is the module id.

### ***rc***

This is the return code.

### ***rsn***

This is the reason code.

## System action

Processing continues.

## System programmer response

Take actions in the application programmer response section of this message. If you cannot determine why the data set is not allocated or extended in the same SFI or Cluster, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

## Programmer response

Determine if the data set is allocated or extended as expected, and use failure reason text, return code and reason code to determine why the data set is not allocated or extended in the same storage facility image or Cluster.

## Source

Storage Management Subsystem (SMS)

**IGD17396I (form 1 of 3)**

**DATA SET *dsn* WAS NOT ALLOCATED IN THE SAME STORAGE FACILITY IMAGE BECAUSE OF INSUFFICIENT SPACE. FIRST VOLUME: *volser* *n* VOLUMES (NOT IN THE SAME SFI AS FIRST VOLUME) WERE REJECTED *n* VOLUMES OF THE SAME SFI WERE REQUESTED**

## Explanation

When the accessibility parameter in the storage class for the data set contains a value of CONTINUOUS and Single storage facility image (SFI), the new SMS-managed multi-volume data set or extension of an existing SMS-managed data set to a new volume, must be allocated within the same SFI.

In the message text:

***dsn***

This is the data set name.

***volser***

This is the volume serial number.

***n***

This is the quantity of volumes.

## System action

Processing may stop.

## System programmer response

Correct the problem indicated in the message and resubmit the request.

## Programmer response

MISSING INFO.

## Source

Storage Management Subsystem (SMS)

---

**IGD17396I (form 2 of 3)**

**DATA SET *dsn* WAS NOT ALLOCATED IN THE SAME STORAGE FACILITY IMAGE BECAUSE OF INSUFFICIENT SPACE. SOURCE VOLUME: *volser* *n* VOLUMES (NOT IN THE SAME SFI AS SOURCE VOLUME) WERE REJECTED *n* VOLUMES OF THE SAME SFI WERE REQUESTED**

## Explanation

When the accessibility parameter in the storage class for the data set contains a value of CONTINUOUS and Single storage facility image (SFI), the new SMS-managed multi-volume data set or extension of an existing SMS-managed data set to a new volume, must be allocated within the same SFI.

In the message text:

***dsn***

This is the data set name.

***volser***

This is the volume serial number.

***n***

This is the quantity of volumes.

## System action

Processing may stop.

## System programmer response

Correct the problem indicated in the message and resubmit the request.

## Programmer response

MISSING INFO.

## Source

Storage Management Subsystem (SMS)

---

|                                |  |
|--------------------------------|--|
| <b>IGD17396I (form 3 of 3)</b> | <b>DATA SET <i>dsn</i> WAS NOT ALLOCATED IN THE SAME STORAGE FACILITY IMAGE BECAUSE OF INSUFFICIENT SPACE. <i>n</i> VOLUMES (NOT IN THE SAME SFI AS <i>volser</i>) WERE REJECTED <i>n</i> VOLUMES OF THE SAME SFI WERE REQUESTED</b> |
|--------------------------------|--|

## Explanation

When the accessibility parameter in the storage class for the data set contains a value of CONTINUOUS and Single storage facility image (SFI), the new SMS-managed multi-volume data set or extension of an existing SMS-managed data set to a new volume, must be allocated within the same SFI.

In the message text:

### ***dsn***

This is the data set name.

### ***volser***

This is the volume serial number.

### ***n***

This is the quantity of volumes.

## System action

Processing may stop.

## System programmer response

Correct the problem indicated in the message and resubmit the request.

## Programmer response

MISSING INFO.

## Source

Storage Management Subsystem (SMS)

---

|                  |   |
|------------------|---|
| <b>IGD17400I</b> | <b>REFERENCED DATA SET <i>dsname</i> NOT CATALOGUED</b> |
|------------------|---|

## Explanation

SMS VTOC data set services like processing could not find the data set in the catalog. The data set was specified in a LIKE= reference, but either was not cataloged, or included a PDS member name or a generation data group (GDG) relative generation number.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Specify another data set in the LIKE= reference, and resubmit the request.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

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|                  |  |
|------------------|--|
| <b>IGD17401I</b> | <b>UNEXPECTED RETURN CODE FROM OBTAIN FOR REFERENCED DATA SET <i>dsn</i> OBTAIN RETURN CODE IS <i>rc</i></b> |
|------------------|--|

## Explanation

SMS VTOC data set services like processing received an unexpected return code from obtain; obtain was not able to read the DSCB for a non-VSAM data set. When the referenced data set is a non-VSAM data set, SMS VTOC data set services picks up the data set properties from the Format 1 DSCB.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set and the return code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17403I</b> | <b>UNABLE TO ENQUEUE ON REFERENCED DATA SET <i>dsname</i> ENQUEUE RETURN CODE IS <i>rc</i></b> |
|------------------|--|



## Explanation

SMS VTOC data set services like processing was unable to enqueue on a data set that was specified in a LIKE= reference. SMS VTOC data set services was trying to enqueue on the data set to count the number of directory blocks.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the logrec data set and the return code to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17404I</b> | <b>I/O ERROR ATTEMPTING TO READ THE DIRECTORY OF REFERENCED<br/>DATA SET <i>dsname</i></b> |
|------------------|--|

## Explanation

While trying to read the directory of the data set, SMS VTOC data set services like processing encountered an unexpected error.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the information in the logrec data set to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17406I**

**UNABLE TO DEQUEUE REFERENCED DATA SET *dsname* DEQUEUE  
RETURN CODE IS *rc***

## Explanation

While trying to dequeue on a data set, SMS VTOC data set services like processing encountered an unexpected error.

In the message text:

### ***dsname***

The data set name.

### ***rc***

The return code.

## System action

The SMS VTOC data set services request fails. Also, the system writes a record describing the error to the logrec data set.

## System programmer response

Use the information in the logrec data set to determine the error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17407I**

**CATALOG ERROR ATTEMPTING TO LOCATE REFERENCED DATA SET  
*dsname***

## Explanation

While trying to locate data set properties for the data set indicated, SMS VTOC data set services like processing received an unexpected return code from the SMS VTOC data set services catalog interface module.

In the message text:

### ***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Refer to any additional SMS VTOC data set services messages in the job log to determine the catalog error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17409I</b> | <b>FAILURE OCCURRED IN DATA SET PROPERTIES MERGE WHILE<br/>ATTEMPTING TO DEFINE DATA SET <i>dsname</i></b> |
|------------------|--|

## Explanation

While trying to define a data set, the SMS VTOC data set services data properties merge module encountered an error. Preceding SMS VTOC data set services messages indicate the error.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Refer to any additional SMS VTOC data set services messages in the job log to determine the catalog error.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17410I</b> | <b>DATA SET REFERENCED BY LIKE= <i>dsname</i> NOT ON A DASD VOLUME</b> |
|------------------|--|

## Explanation

The data set pointed to by the LIKE parameter does not reside on a direct access volume.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## System programmer response

Specify a data set that resides on a direct access volume and resubmit the request.

## Source

DFSMSdfp

---

|                  |  |
|------------------|--|
| <b>IGD17430I</b> | <b>A VSAM DATA SET IS REFERENCED BY LIKE = WHILE ATTEMPTING TO DEFINE TAPE DATA SET (<i>dsname</i>).</b> |
|------------------|--|

---

## Explanation

This message is issued when the data set referenced by the LIKE= is a VSAM data set. The data set referenced by LIKE= must be a non-VSAM data set since you are creating a tape data set.

In the message text:

***dsname***

The data set name.

## Programmer response

Correct the reference or remove the LIKE= parameter.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17431I</b> | <b>UNABLE TO DETERMINE DIRECTORY BLOCKS DURING DEFINE OF DATA SET <i>dsname</i></b> |
|------------------|---|

---

## Explanation

An attempt was made to create a partitioned data set (PDS) by specifying DSNTYPE=PDS. The system could not determine the directory blocks quantity from any of the following:

- The directory blocks from the JCL
- The data class
- A model data set referenced by the LIKE keyword.

**Note:** The directory block quantity cannot be picked up from a model data set that is a PDSE.

In the message text:

***dsname***

The specified data set.

## System action

The PDS is not created.

## System programmer response

Specify the directory blocks quantity by one of the specified means. Run the job again.

## Source

DFSMSdfp

---

|                  |   |
|------------------|---|
| <b>IGD17432I</b> | <b>INCONSISTENT DATA SET STRUCTURE FOR: <i>dsname</i> JFCB INDICATES VSAM BUT RECORG NOT SPECIFIED.</b> |
|------------------|---|

---

## Explanation

The system issues this message when all of the following conditions are met:

- A new SMS or non-SMS managed data set is being created.
- The JFCORGAM bit is set in the JFCB. This generally occurs when AMP=AMORG is specified on the JCL or the DCB parameter points to a VSAM data set.
- AMP=AMORG is specified on a JCL statement.
- No RECORG is available from either the JCL, the data class assigned to the data set, or the data set referenced by the LIKE parameter.

In the message text:

### ***dsname***

The specified data set name.

## System action

The allocation of the data set is failed.

## Programmer response

Specify RECORG in one of the following ways:

- Explicitly on the JCL.
- Via a data class assigned to the data set. This may require modification of the data class ACS routines. Contact your storage administrator.
- Via the LIKE keyword by referencing a VSAM data set.

If the AMP=AMORG parameter is required but a RECORG cannot be provided at allocation, force this data set to be non-SMS managed. This may require modification of ACS routines.

**Storage Administrator Response:** If necessary, modify the data class ACS routine to assign an appropriate data class to the data set.

## Source

DFSMSdfp

## Routing code

0

## Descriptor code

2

**IGD17433I**

**ALLOCATION OF TAPE DATA SET *dsname* FAILED BECAUSE LIKE =  
PARAMETER REFERENCES A DATA SET THAT HAS BEEN MIGRATED TO  
TAPE**

## Explanation

During allocation of a new tape data set, the system determined that the LIKE = parameter referenced a data set that was migrated to tape.

In the message text:

***dsname***

The data set being allocated.

## System action

The system fails the SMS VTOC data set services allocation request.

## System programmer response

Recall the data set that is referenced by the LIKE = parameter and rerun the job.

## Source

Data Facility Storage Management Subsystem (DFSMS)

## Module

IGDVTSTP

## Routing code

2

## Descriptor code

4

**IGD17501I**

**ATTEMPT TO OPEN AN OPENMVS FILE FAILED, RETURN CODE=*rc*,  
REASON CODE=*rs*, FILENAME=*filename***

## Explanation

A call was made to BPX1OPN during the allocation of a z/OS UNIX file. This call failed. The return code and reason code are documented in the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Determine the cause of the error as indicated by the return and reason code and resubmit the job after correcting the error. Correct the problem as indicated and resubmit the job.

**Source**

DFSMSdfp

**Module**

IGDVTPSX

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17502I</b> | <b>CREATION OF SPECIAL OPENMVS FILE FAILED, RETURN CODE=<i>rc</i>,<br/>REASON CODE=<i>rs</i>, FILENAME=<i>filename</i></b> |
|------------------|--|

**Explanation**

A call was made to BPX1MKN during the allocation of a FIFO z/OS UNIX file. This call failed. The return code and reason code are documented in the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

**System action**

The SMS VTOC Data Set Services request fails.

**Programmer response**

Determine the cause of the error as indicated by the return and reason code and resubmit the job after correcting the error.

**Source**

DFSMSdfp

**Module**

IGDVTPSX

**Routing code**

2

**Descriptor code**

4

---

|                  |  |
|------------------|--|
| <b>IGD17503I</b> | <b>ATTEMPT TO CLOSE AN OPENMVS FILE FAILED, RETURN CODE=<i>rc</i>,<br/>REASON CODE=<i>rs</i>, FILENAME=<i>filename</i></b> |
|------------------|--|

**Explanation**

A call was made to BPX1CLO during the allocation of a z/OS UNIX file. This call failed. The return code and reason code are documented in the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Determine the cause of the error as indicated by the return and reason code and resubmit the job after correcting the error.

## Module

IGDVTPSX

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17504I</b> | <b>ATTEMPT TO <i>fn</i> A HFS FILE FAILED, RETURN CODE IS (<i>rc</i>) REASON IS (<i>rsn</i>) FILENAME IS (<i>filename</i>)</b> |
|------------------|--|

---

## Explanation

A call was made to a z/OS UNIX System Services function during the allocation of a z/OS UNIX file. This call failed. The return code and reason code are documented in the appropriate topic in [z/OS UNIX System Services Messages and Codes](#).

In the message text:

### ***fn***

Functions: GET STATUS FOR, CHANGE ATTRIBUTES OF, and DELETE

### ***rc***

The return code

### ***rsn***

The reason code

### ***filename***

The file name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Determine the cause of the error as indicated by the return and reason code and resubmit the job after correcting the error.

## Source

Data Facility Product (DFSMS)

---

|                  |  |
|------------------|--|
| <b>IGD17510I</b> | <b>ALLOCATION FAILED FOR DATASET <i>dsname</i> - 'PIPE' VALUE OF THE 'DSNTYPE' KEYWORD WAS SPECIFIED WITHOUT A PATHNAME.</b> |
|------------------|--|

---



## Explanation

The DSNTYPE keyword with a value of PIPE must include a PATH= name on the JCL. A PATH= name was not found on the JCL.

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Correct the JCL and resubmit the job.

## Source

DFSMSdfp

## Module

IGDVTSCR

## Routing code

2

## Descriptor code

4

---

**IGD17511I**

**NO PATHNAME SPECIFIED. ALLOCATION FAILED FOR  
DDNAME=*ddname***

## Explanation

The SMS VTOC Data Set Services request expects a pathname but none is specified.

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Probable system error. Contact your programming support personnel.

## Source

DFSMSdfp

## Module

IGDVTPSX

## Routing code

2

## Descriptor code

4

---

**IGD17512I****INVALID DSNTYPE SPECIFIED FOR DDNAME (ddname).  
DSNTYPE=PIPE IS THE ONLY VALID VALUE WITH PATHNAME**

## Explanation

The DSNTYPE= keyword must have a value of PIPE when the PATH= keyword is specified on the DD statement.

In the message text:

***dsname***

The data set name

## System action

The SMS VTOC Data Set Services request fails.

## Programmer response

Correct the JCL and resubmit the job.

## Source

Data Facility Product (DFSMS)

---

**IGD17800I****{DATA CLASS *dcname*|MANAGEMENT CLASS *mcname*|STORAGE CLASS  
*scname*|STORAGE GROUP *sgname*|VOLUME *volser*} DEFINITION NOT  
FOUND FOR DATA SET *dsname* [CANDIDATE STORAGE GROUP(s): *sg1*,  
*sg2*,...]**

## Explanation

SMS construct access services indicated that one of the following constructs or volume for the data set does not exist in the active configuration:

- Data class *dcname*
- Management class *mcname*
- Storage class *scname*
- Storage group *sgname*
- Volume *volser*

In the message text:

***dcname***

data class name

***mcname***

management class name

***scname***

storage class name

***sgname***

storage group name

***sg1, sg2,...***

storage group names

***volser***

volume serial number

## System action

The SMS VTOC data set services request fails.

## Programmer response

If you explicitly specified the construct or volume, make sure your specification is correct and resubmit the job. Otherwise, if the construct was supplied by the ACS routines, you may have to modify those routines.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17802I</b> | <b>VOLUMES SPECIFIED BY THE CALLER ARE NOT IN THE SAME STORAGE GROUP FOR A GUARANTEED SPACE REQUEST, DATA SET IS <i>dsname</i></b> |
|------------------|--|

## Explanation

In a guaranteed space request for a data set, the caller selected specific volumes, and selected a storage class with the guaranteed space attribute; therefore, the specific volumes must be honored. However, not all of the specified volumes are in the same storage group.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## Programmer response

Change the request so that all volumes specified are in the same storage group; then rerun the job.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |  |
|------------------|--|
| <b>IGD17803I</b> | <b>VOLUME SELECTION HAS FAILED. THERE ARE ACCESSIBLE VOLUME(S) BUT NOT ENOUGH WITH SUFFICIENT SPACE FOR DATA SET <i>dsname</i></b> |
|------------------|--|

## Explanation

A space request for a data set failed because:

- No accessible volumes had sufficient space to satisfy the single-volume request; or
- Not enough accessible volumes had sufficient space to satisfy the multi-volume request.

A volume is accessible if all of the following are true:

- The storage group that contains the volume is enabled to the system;
- The volume itself is enabled to SMS; and
- The volume itself is online to MVS.

In the message text:

***dsname***

The data set name.

## System action

The request fails.

## System programmer response

Resubmit the request, specifying less space than before. If you still get this error message, then determine which storage class and storage group were used for the request, and check the amount of available space on all volumes in the storage group. Then either force the selection of another storage class, or make more space available on the volumes within the selected storage group.

If the problem cannot be determined, run the job again and request a dump immediately after the failure. Contact the IBM Support Center and provide the dump.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17804I**

**VOLUME SELECTION HAS FAILED. THERE ARE NO ACCESSIBLE  
VOLUMES FOR DATA SET *dsname***

## Explanation

There are no volumes for which all of the following are true:

- The storage group that contains the volume is enabled to the system;
- The volume itself is enabled to SMS; and
- The volume itself is online to MVS.

In the message text:

***dsname***

The data set name.

## System action

The request fails.

## Programmer response

Determine the status of all storage groups and volumes used for this request. You may need to enable some storage groups or bring some volumes online.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17806I</b> | <b>ALLOCATION HAS FAILED FOR ALL VOLUMES SELECTED FOR DATA SET</b><br><i>dsname</i> |
|------------------|---|

---

## Explanation

In an SMS VTOC data set services request involving the data set, one or more volumes were specified, but could not be selected. Then volume selection was reentered until all eligible volumes could not be selected. DADSM may not have found enough space; otherwise, the reason for the error is indicated in a preceding message.

In the message text:

***dsname***

The data set name.

## System action

The SMS VTOC data set services request fails.

## System programmer response

If DADSM could not find enough space, put additional volumes online in one of the eligible storage groups, and resubmit the request. Otherwise, refer to any preceding messages to determine the error.

If the problem cannot be determined, run the job again and request a dump immediately after the failure. Contact the IBM Support Center and provide the dump.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

|                  |   |
|------------------|---|
| <b>IGD17807I</b> | <b>THERE ARE (<i>w</i>) CANDIDATE VOLUMES OF WHICH (<i>x</i>) ARE ENABLED OR QUIESCED</b> |
|------------------|---|

---

## Explanation

This message indicates how many candidate volumes there were for a failing request, and the status of those volumes. The message appears in conjunction with message IGD17206I, IGD17207I, or IGD17273I.

In the message text:

***w***

The number of volumes in all the storage groups that were selected by the ACS routines for the request.

**x**

The number of those volumes that are either enabled or quiesced, and therefore are eligible for selection.

**y**

The number of eligible volumes that appear to have enough space, based on the space data provided in their volume definitions. Because of fragmentation, DADSM may not be able to allocate space on those volumes that appear to have enough space.

## System action

The system continues processing.

## Programmer response

Refer to message IGD17206I, IGD17207I, or IGD17273I to determine why the request failed.

## Source

DFSMSdfp

## Routing code

2

## Descriptor code

4

---

**IGD17808I**

**GUARANTEED SPACE RULES HAVE BEEN RELAXED FOR DATA SET**  
***dsname***

## Explanation

In a guaranteed space request for the specified data set, the caller provided specific volumes, but also instructed SMS VDSS to allocate the data set as a non-guaranteed space request if these specific volumes were not in the same storage group. SMS VDSS determines that this data set will be allocated as a non-guaranteed space request because not all the specific volumes are in the same storage group.

In the message text:

***dsname***

The specified data set.

## System action

The system ignores the guaranteed space request and continues processing.

## Source

Storage management subsystem (SMS)

---

**IGD21001I**

**TAPE VOLUME *volser* USE ATTRIBUTE IS ALREADY PRIVATE TAPE**  
**VOLUME RECORD IS UPDATED FOR VOLUME *volser***

## Explanation

Following the successful open of a data set on tape, the system attempted to update the use attribute of the tape volume from scratch to private, but the use attribute was already private.

In the message text:

**volser**

The tape volume on which data set is open for output

**System action**

System updates fields in the tape volume record for the tape volume, and updates the category of the volume in the hardware inventory to private. Processing continues.

**System programmer response**

If this message appears frequently or if you want to verify that other volumes do not have similar discrepancies, use the `DISPLAY SMS,VOLUME(volser)` command to display the use attribute setting in the tape configuration data base and the corresponding category of the volume in the hardware inventory. Use the `VOLUME ALTER` command to make both settings the same.

**Source**

Storage Management Subsystem (SMS)

**Module**

IGDTVR00

**Routing code**

11

**Descriptor code**

6

---

|                  |  |
|------------------|--|
| <b>IGD21002I</b> | <b>UNABLE TO CHANGE THE VOLUME USE ATTRIBUTE FOR TAPE VOLUME<br/>volser DUE TO CBRXCUA INSTALLATION EXIT CBRXLCS RETURN<br/>CODE IS rc CBRXLCS REASON CODE IS rs</b> |
|------------------|--|

---

**Explanation**

Following the successful open of a data set on tape, one of the following conditions was detected during the system's attempt to change the volume use attribute of the volume from scratch to private.

In the message text:

**volser**

The tape volume on which data set is open for output

**rc**

failing CBRXLCS return code

**rs**

The failing CBRXLCS reason code

**rc = 12, rs = 6**

The request failed because change use attribute processing is disabled. Due to a previous CBRXCUA installation exit error, change use attribute processing has been disabled until the error is fixed.

**rc = 12, rs = 7**

CBRXCUA installation exit vetoed the update of the change use attribute from scratch to private. This veto might cause the loss of the new data set because it is contained on a scratch volume. To prevent data loss, the veto will not be honored and the job will fail.

**rc = 12, rs = 82**

CBRXCUA installation exit abended.

**rc = 12, rs = 83**

CBRUXCUA installation exit returned bad data.

## System action

The tape volume record for *volser* is not updated. The system halts the job. Expect an ABEND613-20 or ABEND637-58 to accompany this message.

## System programmer response

Determine if the Change Use Attribute installation exit (CBRUXCUA) has an error. If so, correct the error and use the LIBRARY RESET command to reactivate the change use attribute processing. Refer to the CBRXLCS section of the [z/OS DFSMSdfp Diagnosis](#) for an explanation of the reason and return codes given in the message text.

## Source

Storage Management Subsystem (SMS)

## Module

IGDTR00

## Routing code

11

## Descriptor code

6

---

**IGD21003I**

**Tape subsystems limit *number* exceeded for DSN *dsn***

---

## Explanation

More than the maximum number of supported tape subsystems was returned by OAM. Subsystems beyond the specified limit are ignored. With z/OS V2R2 or later (also z/OS V1R13 and V2R1 with SMS APAR OA44354), the maximum number of supported subsystems is 506 (previous to this APAR, the limit was set at 253). This message could also be issued if more than 253 subsystems are returned by OAM and the DEVSUPxx PARMLIB member option GREATER\_253 is not specified. In that case, the limit specified remains at 253. See [z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries](#) for additional details about the tape subsystem limitations during scratch allocation.

In the message text:

### ***number***

Tape subsystem limit

### ***dsn***

Data set name

## System action

The first 253 or 506 tape subsystems are used, depending on whether the GREATER\_253 DEVSUPxx PARMLIB option is specified.

## Operator response

N/A.



## System programmer response

None.

## Source

Storage Management Subsystem (SMS)

---

**IGD23100I**

**DATA SET ALLOCATION REQUEST FAILED - THE ACS ROUTINES  
ASSIGNED A STORAGE CLASS TO DATA SET *dsn1* WHICH IS STACKED  
ON NON-SMS DATA SET *dsn2***

## Explanation

The system detected data set stacking because the data set being allocated had a data set sequence number greater than one and had specific volume serials in common with another data set. The other data set, *dsn2*, is a non-SMS data set. The ACS routines attempted to make the new data set, *dsn1*, SMS-managed, but the system does not support the attempt when data set stacking is used.

In the message text:

### ***dsn1***

The new data set being allocated using data set stacking.

### ***dsn2***

The data set on which the new data is to be stacked.

## System action

Allocation of the new data set fails.

## User response

Do one of the following:

- Remove the data set sequence number or assign a sequence number of one.
- Remove the specific volume serial or modify the volume serial so that the two data sets have no common volume serials.
- Contact the storage administrator.

**Storage Administrator Response:** If the non-SMS allocation should be allowed, modify the storage class ACS routine so that it does not assign a storage class to the new data set.

## Source

Storage management subsystem (SMS)

## Module

IGDDSTPR

## Routing code

2,Note 28

## Descriptor code

4

---

**IGD23101I****DATA SET ALLOCATION REQUEST FAILED - NO POOL OR VIO STORAGE GROUPS SELECTED FOR DATA SET *dsn1* WHICH IS STACKED ON DATA SET *dsn2***

## Explanation

The system detected data set stacking because the data set being allocated had a data set sequence number greater than one and had specific volume serials in common with another data set. The other data set, *dsn2*, is SMS-managed and resides in either a POOL or VIO storage group. The ACS routines did not assign any storage groups of the specified types to the new data set, *dsn1*. When data set stacking is used, the data sets must reside in compatible types of storage groups.

In the message text:

### ***dsn1***

The new data set being allocated using data set stacking.

### ***dsn2***

The data set on which the new data set is to be stacked.

## System action

Allocation of the new data set fails.

## User response

Do one of the following:

- Remove the data set sequence number or assign a sequence number of one.
- Remove the specific volume serial or modify the volume serial so that the two data sets have no common volume serials.
- Contact the storage administrator.

**Storage Administrator Response:** If data set stacking is being used correctly, modify the storage group ACS routine so that it assigns storage groups of the appropriate type to the new data set.

## Source

Storage management subsystem (SMS)

## Module

IGDDSTSG

## Routing code

2,Note 28

## Descriptor code

4

---

**IGD23102I****DATA SET ALLOCATION REQUEST FAILED - ACS STORAGE GROUP ROUTINE DID NOT ALLOW THE USE OF THE STORAGE GROUP OF DATA SET *dsn1* BY DATA SET *dsn2***

## Explanation

The system detected data set stacking because a data set being allocated had a data set sequence number greater than one and had specific volume serials in common with another data set. The other data set, *dsn2*, resides on one or more SMS-managed tape volumes.

The ACS routines did not allow the new data set, *dsn1* to be allocated in the storage group of the data set on which it is being stacked. When data set stacking is used with data sets on SMS-managed tape volumes, the two data sets must have at least one volume in common and must also reside in the same storage group.

In the message text:

### ***dsn1***

The new data set being allocated using data set stacking.

### ***dsn2***

The data set on which the new data set is to be stacked.

## System action

Allocation of the data set fails.

## User response

Do one of the following:

- Remove the data set sequence number or assign a sequence number of one.
- Remove the specific volume serial or modify the volume serial so that the two data sets have no common volume serials.
- Contact the storage administrator.

**Storage Administrator Response:** If data set stacking is being used correctly, modify the storage group ACS routine so that it assigns the same storage group to both data sets.

## Source

Storage management subsystem (SMS)

## Module

IGDDSTSG

## Routing code

2,Note 28

## Descriptor code

4

---

**IGD410E****LSPACE TASK IGDOPST5 RESTARTED *nnnn* TIMES**

## Explanation

The task IGDOPST5 in the SMS address space, which performs LSPACEs for new volumes, has failed and restarted *nnnn* times since the SMS address spaces last restarted.

In the message text:

### ***nnnn***

The number of times the LSPACE task has been restarted.

**System action**

The system will continue processing.

**System programmer response**

To have the problem analyzed, take a dump of the SMS address space and notify IBM of the problem. If the task continues to fail a cancel of SMS and restart may alleviate the problem.

**Source**

Storage management subsystem (SMS)

**Module**

IGDOPST5

**Routing code**

1

**Descriptor code**

2

---

## Chapter 21. IGDH messages

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|                  |  |
|------------------|--|
| <b>IGDH1000I</b> | <b>CHECK(IBMSMS,SMS_CDS_SEPARATE_VOLUMES) found the ACDS and COMMDS not residing on the same volume.</b> |
|------------------|--|

---

### Explanation

Both ACDS and COMMDS are allocated on different volumes. Allocating ACDS and COMMDS on different volumes eases recovery in case of failure. For additional information see [Allocating an ACDS](#) and [Allocating a COMMDS](#) in *z/OS DFSMSdfp Storage Administration*.

### System action

The system continues processing.

### Source

DFSMS SMS

### Module

IGDHCK01

---

|                  |  |
|------------------|--|
| <b>IGDH1001E</b> | <b>CHECK(IBMSMS,SMS_CDS_SEPARATE_VOLUMES) detected the ACDS (<i>acds_name</i>) and COMMDS (<i>commds_name</i>) allocated on the same volume.</b> |
|------------------|--|

---

### Explanation

As a best practice, an ACDS/COMMDS must reside on a volume, accessible from all systems in the SMS complex. To ease recovery in case of failure, the ACDS should reside on a different volume than the COMMDS. Also, you should allocate a spare ACDS on a different volume. The control data set (ACDS or COMMDS) must reside on a volume that is not reserved by other systems for a long period of time because the control data set (ACDS or COMMDS) must be available to access for SMS processing to continue. For additional information see [Allocating an ACDS](#) and [Allocating a COMMDS](#) in *z/OS DFSMSdfp Storage Administration*.

In the message text:

#### ***acds\_name***

The dataset name of the current ACDS.

#### ***commds\_name***

The dataset name of the current COMMDS.

### System action

The system continues processing.

### System programmer response

Reallocate ACDS and COMMDS on different volumes.

### Source

DFSMS SMS

## Module

IGDHCK01

## Routing code

See note 35.

## Descriptor code

11 is the default set by this check. See note 1.

---

|                  |  |
|------------------|--|
| <b>IGDH1010I</b> | <b>CHECK(IBMSMS,SMS_CDS_REUSE_OPTION) found the ACDS and COMMDS defined with the REUSE option.</b> |
|------------------|--|

---

## Explanation

Defining ACDS and COMMDS with the REUSE option helps to avoid running into space problems (SMS reason code 6068) as result of subsequent ACDS or COMMDS updates, or IMPORT/EXPORT functions. For additional information see [Allocating an ACDS](#) and [Allocating a COMMDS](#) in *z/OS DFSMSdfp Storage Administration*.

## System action

The system continues processing.

## Source

DFSMS SMS

## Module

IGDHCK02

---

|                  |  |
|------------------|--|
| <b>IGDH1011E</b> | <b>CHECK(IBMSMS,SMS_CDS_REUSE_OPTION) detected <i>cds_type</i> ('<i>dsname</i>') not defined with the REUSE option. SMS attempted to alter the CDS to REUSE but failed. Catalog Return Code is <i>rc</i> Reason Code is <i>rsnc</i> IGG0CLxx</b> |
|------------------|--|

---

## Explanation

As a best practice, defining ACDS/COMMDS with the REUSE option helps to avoid running into space problems (SMS reason code 6068) as result of subsequent ACDS updates, or IMPORT/EXPORT functions. For additional information, see [Allocating an ACDS](#) in *z/OS DFSMSdfp Storage Administration*.

In the message text:

### **cds\_type**

The CDS type, which can be ACDS (ACDS dataset name), COMMDS (COMMDS dataset name), or ACDS (ACDS dataset name) and COMMDS (COMMDS dataset name)

### **dsname**

The data set name.

### **rc**

The catalog return code.

### **rsnc**

The reason code.

## System action

The system continues processing.

## System programmer response

Use ALTER command in IDCAMS to specify the REUSE option for the control dataset. See [z/OS DFSMS Access Method Services Commands](#) for further details.

### Source

DFSMS SMS

### Module

IGDHCK02

### Routing code

See note 35.

### Descriptor code

3 is the default set by this check. See note 1.

---

|                  |  |
|------------------|--|
| <b>IGDH1012E</b> | <b>CHECK(IBMSMS,SMS_CDS_REUSE_OPTION) detected <i>cds_type</i> ('<i>dsname</i>') not defined with the REUSE option. SMS attempted to alter the CDS to REUSE and the attempt is successful.</b> |
|------------------|--|

### Explanation

After the SMS health check detected the CDS with NOREUSE option, SMS alters the CDS to REUSE. The message is issued when the action is successful. For additional information, see [Allocating an ACDS in z/OS DFSMSdfp Storage Administration](#).

In the message text:

#### **cds\_type**

The CDS type, which can be ACDS (ACDS dataset name), COMMDS (COMMDS dataset name), or ACDS (ACDS dataset name) and COMMDS (COMMDS dataset name)

#### **dsname**

The data set name.

### System action

The system continues processing.

## System programmer response

Use ALTER command in IDCAMS to specify the REUSE option for the control dataset. See [z/OS DFSMS Access Method Services Commands](#) for further details.

### Source

DFSMS SMS

### Module

IGDHCK02

### Routing code

See note 35.

**Descriptor code**

3 is the default set by this check. See note 1.



---

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# Index

## A

accessibility  
    contact IBM [1685](#)  
assistive technologies [1685](#)

## B

BCP  
    message changes  
    method for finding [vi](#)

## C

contact  
    z/OS [1685](#)

## D

descriptor codes [13](#)  
descriptor codes, meaning [14](#)

## K

keyboard  
    navigation [1685](#)  
    PF keys [1685](#)  
    shortcut keys [1685](#)

## M

message  
    skeletons [vi](#)  
message changes  
    finding [vi](#)  
messages  
    z/OS MVS System Messages, Vol 8 (IEF-IGD)  
    [xi](#)

## N

navigation  
    keyboard [1685](#)

## R

routing codes [9](#)  
routing codes, meaning [10](#)  
routing codes, specifying [9](#)

## S

shortcut keys [1685](#)  
SYS1.MSGENU [vi](#)

## T

TSO/E  
    message changes  
    method for finding [vi](#)

## U

user interface  
    ISPF [1685](#)  
    TSO/E [1685](#)

## Z

z/OS MVS System Messages, Vol 8 (IEF-IGD)  
    messages [xi](#)  
    messages, changed [xi](#), [xii](#)  
    messages, new [xi](#)  
    messages, no longer issued [xi](#), [xii](#)









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