



**Program Directory for  
Office Document Feature  
for Document Composition Facility/MVS**

Release 4.1

Program Number 5748-XX9

FMID JSR1414

for Use with  
Document Composition Facility/MVS Version 1, Release 4.1  
PROGRAM 5748-XX9  
FEATURE 5500/5501/5502

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This directory contains information concerning the material and  
procedures associated with the installation of this program.

You should read all of it before installing the  
program and then keep it for future reference.

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## Notices

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## Programming Interface

This program directory is intended to help the customer to install the Document Composition Facility Office Document Feature. It contains a description of the contents of the product tape and installation instructions. ODF provides no programming interfaces for use by customers in writing programs that request or receive its services.





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## 1.0 Introduction

The DCF Office Document Feature is being rereleased with DCF 4.1. While no functional changes have been made to ODF itself, changes have been made to the base DCF product for 4.1 and ODF should be installed with DCF 4.1.

This document is intended for the system programmer responsible for program installation and maintenance. This document contains the following sections:

- Program Materials

This section identifies the basic and optional program materials and documentation for ODF.

- Program Support

This section describes the IBM support available for ODF.

- Program and Service Level Information

This section lists the APARs (program level) and PTFs (service level) incorporated into ODF.

- Installation Requirements and Considerations

This section identifies the resources and considerations for the installation and use of ODF.

- Installation Instructions

This section provides detailed installation instructions for ODF.

It also describes the procedures for activating the functions of ODF.

- APPENDIX A

This appendix provides the install logic for ODF.

- APPENDIX B

Sample JCLIN for ODF

- APPENDIX C

Sample Intermediate Jobs

- APPENDIX D

Reader's Comments

- Do not use this program directory if you are installing ODF with an MVS Custom-Built Installation Process Offering (CBIPO) (5751-CS1). Instead use the CBIPO Related Installation Materials (RIMs) provided with CBIPO. If necessary, the CBIPO RIMs will point you to specific sections of the program directory as required.
- If you are installing ODF using the MVS Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), use the softcopy program directory provided on the CBPDO tape. Your CBPDO will contain a softcopy Preventive Service Planning (PSP) Upgrade for this product. All service and HOLDDATA for ODF is included on the CBPDO tape.

- Before installing ODF, read the section 3.2, "Preventive Service Planning" on page 7. This section tells you how to find any updates to the information and procedures in this Program Directory.

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## 1.1 Trademarks

The following are trademarks of International Business Machines Corporation.

- \* DisplayWrite®
- \* IBM®
- \* MVS™
- \* MVS/DLF™
- \* MVS/ESA™
- \* MVS/SP™
- \* MVS/XA™

The following are trademarks of other companies:

- \* RAPID™

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## 2.0 Program Materials

An IBM program is identified by a program number and a feature code. The program number for ODF is 5748-XX9.

You can find a description of the features supported by ODF in the program announcement material. See your IBM marketing representative for this information.

The following sections identify:

- The basic and optional program materials available with this program.
- Publications useful during installation.
- Available microfiche.

---

### 2.1 Basic Machine-Readable Material

The distribution medium for this program is 9-track magnetic tapes, written at either 1600 or 6250 BPI, or a 3480 cartridge. The tape or cartridge contains all the data needed for installation. It is installed using SMP/E Release 5. See 7.0, "Installation Instructions" on page 31 for more information about installing the program. Figure 1 describes the tapes or cartridge. Figure 2 on page 4 describes the file content of the program tapes or cartridge.

*Figure 1. Basic Material - Program Tape(s)*

Medium	Feature Number	Physical Volume	External Tape Label	VOLSER
1600 tape	5500	1	ODF-MVS-SR1414	SR1414
6250 tape	5501	1	ODF-MVS-SR1414	SR1414
3480 cart.	5502	1	ODF-MVS-SR1414	SR1414

Figure 2 (Page 1 of 2). Program Tape(s) - File Content

<b>VOLSER</b>	<b>File</b>	<b>Name</b>	<b>Number of Elements</b>	<b>Other Information</b>
SR1414	1	SMPMCS	1	SMP/E MCS LRECL = 80 BLKSIZE = 6480 RECFM = FB
	2	JSR1414.F1	1	JCLIN LRECL = 80 BLKSIZE = 6160 RECFM = FB
	3	JSR1414.F2	79	LRECL = 0 BLKSIZE = 6144 RECFM = U DLIB = ODFDIST
	4	JSR1414.F3	102	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFGML
	5	JSR1414.F4	12	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFFRM
	6	JSR1414.F5	39	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFSAMP
	7	JSR1414.F6	5	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFILES
	8	JSR1414.F7	3	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFCNTL
	9	JSR1414.F8	3	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFPROC
	10	JSR1414.F9	3	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFHELP

Figure 2 (Page 2 of 2). Program Tape(s) - File Content

VOLSER	File	Name	Number of Elements	Other Information
	11	JSR1414.F10	3	LRECL = 80 BLKSIZE = 6160 RECFM = FB DLIB = AODFCLST

## 2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for ODF.

## 2.3 Program Publications

The following sections identify the basic and optional publications for ODF.

Other publications you may find useful during installation are also identified.

### 2.3.1 Basic Program Publications

Figure 3 identifies the basic program publications for ODF. One copy of each of these publications is included when you order the basic materials for ODF. For additional copies, contact your IBM representative.

Figure 3. Basic Material - Program Publications

Publication Title	Order/Form Number
Document Composition Facility: Office Document Feature User's Guide	G544-3129
Document Composition Facility: Office Document Feature Reference	G544-3130

### 2.3.2 Optional Program Publications

Figure 4 identifies the optional licensed program publications for ODF. The first copy is available at no charge to licensees of the basic material by ordering the 7xxx feature code. Order additional copies using the 8xxx feature code. A fee is charged for additional copies.

Figure 4. Optional Material - Program Publications

Publication Title	Order/Form Number	Feature Code First/Additional
Document Composition Facility: Office Document Feature Program Directory for MVS	G544-3687	7xxx 8xxx

### 2.3.3 Publications Useful During Installation

The publications listed in Figure 5 may be useful during the installation of ODF. To order copies, contact your IBM representative.

*Figure 5. Publications Useful During Installation*

Publication Title	Order/Form Number
SMP/E Messages and Codes	GC28-1108
SMP/E User's Guide	SC28-1302
SMP/E Reference	SC28-1107
SMP/E Reference Summary	SX22-0006
MVS/370 JCL User's Guide	GC28-1349
MVS/370 JCL Reference	GC28-1350
MVS/Extended Architecture JCL User's Guide	GC28-1351
MVS/Extended Architecture JCL Reference	GC28-1352
MVS/Extended Architecture DFP Version 1 Utilities	GC26-4018

### 2.4 Microfiche Support

There are no microfiche for ODF.

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## 3.0 Program Support

This section describes the IBM support available for ODF.

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### 3.1 Program Services

This program is classified as a Licensed Program. Contact your IBM Marketing representative or Systems Engineer (SE) for specific information about available program services.

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### 3.2 Preventive Service Planning

If you obtained ODF in a CBPDO, there is HOLDDATA and PSP information for ODF on the CBPDO tape. However, before installing ODF, you should also check with your IBM Support Center or use either Information/Access or IBMLink(ServiceLink) to see whether there is any additional Preventive Service Planning (PSP) information which you should be aware. To obtain this information, specify the following UPGRADE and SUBSET values:

*Figure 6. PSP  
UPGRADE/SUBSET ID*

Upgrade	Subset
DCF141	JSR1414

If you obtained ODF individually from IBM Software Distribution, then, before installing ODF, you should also check with your IBM Support Center or use either Information/Access or IBMLink(ServiceLink) to see whether there is any additional PSP information which you should be aware.

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### 3.3 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, submit the data to the location identified in the *Programming System General Information Manual* (PSGIM), G229-2228, as being responsible for the failing component.

Figure 7 identifies the Component IDs (COMP ID) and the Field Engineering Service Numbers (FESN) for ODF.

*Figure 7. Component IDs and Field Engineering Service Numbers*

FMID	COMP ID	Component Name	FESN
JSR1414	5748XX900	Office Document Feature	6596504





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## **4.0 Program and Service Level Information**

This section identifies the program and service levels of ODF. The program level refers to the APAR fixes that have been incorporated into the program. The service level refers to the PTFs that have been incorporated.

---

### **4.1 Program Level Information**

No APARs have been incorporated into ODF.

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### **4.2 Service Level Information**

No PTFs have been incorporated into ODF.

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### **4.3 Cumulative Service Tape**

A cumulative service tape might be included with this program. This tape contains PTFs not incorporated into this program. If you received this product through CBPDO, then there will be no cumulative service tape.



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## **5.0 Installation Requirements And Considerations**

The following sections identify the system requirements for installing and activating ODF. The information is categorized into two areas, each of which describes a distinct system environment:

1. The system used to install the program (driving system).
2. The system on which the program is installed (target system).

---

### **5.1 Driving System Requirements**

The following describes the environment of the driving system required to install ODF.

#### **5.1.1 Operating System Requirements**

You can use a MVS/XA or MVS/ESA operating system to install ODF.

#### **5.1.2 Machine Requirements**

There are no special machine requirements for the driving system.

#### **5.1.3 Programming Requirements**

System Modification Program Extended (SMP/E) is required on the driver system to install ODF.

#### **5.1.4 DASD Storage Requirements**

See 5.2.4, "DASD Storage Requirements" on page 12 for information about the amount of DASD storage required to install ODF.

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### **5.2 Target System Requirements**

The following describes the environment of the target system required for installation and use of ODF.

#### **5.2.1 Operating System Requirements**

ODF will operate under these operating systems:

- MVS/SP Version 2, Release 2 (MVS/XA) and above
- MVS/SP Version 3, Release 1 (MVS/ESA) and above

## 5.2.2 Machine Requirements

There are no special machine requirements for the target system.

## 5.2.3 Programming Requirements

ODF requires the following:

1. DCF Release 3.2 Licensed Program or above.

Refer to the Program Directory for DCF 3.2, *DCF Base Product Feature for MVS - FMID HSR1401* for details.

2. The IBM C/370 Library (Program 5688-039).<sup>1</sup>

The C/370 Library is required to create and run ODF load modules at your installation.

3. For ODF to be used by an MVS system with CICS, the Real-time Application Programming Interface to DISOSS (RAPID) Release 2 Program Offering (5787-EBB) or its equivalent is required.

Refer to Document Composition Facility: Office Document Feature User's Guide, for information on how ODF interfaces with RAPID and on customizing RAPID for use with ODF.

4. For ODF to be used with page printers, the Enhancements for IBM-Supplied Fonts<sup>2</sup> should be installed on your system. **These fonts enhance the ODF print emulation function.** The Font Enhancements are automatically shipped to current licensees of the IBM PSF/MVS<sup>3</sup> licensed program.

**ODF can be installed without the Font Enhancements prerequisite. In that case, make sure you make the appropriate modifications to the sample job DSMODIJ1 as described in C.2, "DSMODIJ1 - Copy ODF Libraries and Files" on page 46.**

**If your print applications do not require the use of the PSF/MVS licensed program, then this prerequisite does not apply to you.**

## 5.2.4 DASD Storage Requirements

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<sup>1</sup> See IBM Programming Announcements 288-710 dated December 6, 1988, and 288-467 dated September 13, 1988 for information on this prerequisite.

<sup>2</sup> See IBM Programming Announcement 288-074 dated February 16, 1988 for information on this prerequisite.

<sup>3</sup> Print Services Facility for MVS, order number 5665-275. The font enhancements are part of the PSF/MVS basic media feature 5037, 5038 or 5324.

Figure 8. Library Type Definition

Type	Usage	New or Existing
NU	Used only by this program	New
NM	Used by more than one program	New
EU	Used only by this program	Existing
EM	Used by more than one program	Existing

The following figures provide the SMP space parameters and SMPWRK data set space required to install ODF.

Figure 9. Storage Requirements for SMP System Entries

SUB-ENTRY	Value	Comment
DSSPACE	(50,20,100) or greater	
PEMAX	999 or greater	

Figure 10. Storage Requirements for the SMP work data sets

DDNAME	DSORG	RECFM	LRECL	No. Blks	BLKSIZE	No. Dir. BLKS
SMPWRK1	PO	FB	80	2782	6160	27
SMPWRK2	PO	FB	80	2782	6160	27
SMPWRK3	PO	FB	80	2782	3120	27
SMPWRK4	PO	FB	80	2782	3120	27
SMPWRK5	PO	U	0	2782	6144	27
SMPWRK6	PO	FB	80	2782	6160	27

**Notes:**

1. SMPWRK6 is required and SMPWRK5 is not used when SMP/E Release 5 is used to install ODF.
2. SMPWRK5 is to be used when SMP/E Release 4 or lower is used to install ODF.

The following figures provide an estimate of the additional space needed in the SMP data sets for ODF. The estimates must be added to those of any other programs and service being installed to determine the total additional space requirements.

Keep these points in mind:

- The number of blocks and directory blocks specified is the actual minimum space required by ODF after the program is installed and the data sets are compressed. When allocating these data sets, you may want to specify additional space and directory blocks to allow for maintenance.
- Data sets may be reblocked to a larger size, if you desire for your system.

Figure 11. Storage Requirements for SMP/E Data Sets

Data Set Name OR Library Name	Type	DSORG	RECFM	LRECL	No. BLKS	Block Size	No. DIR. BLKS.
SMPMTS	--	PO	FB	80	225	3120	20
SMPPTS	--	PO	FB	80	225	3120	20
SMPSCDS	--	PO	FB	80	450	3120	150
SMPSTS	--	PO	FB	80	225	3120	20

The following figures list the target and distribution libraries (data sets) and their attributes required for the installation of ODF.

Keep these points in mind:

- The number of blocks and directory blocks specified is the actual minimum space required by ODF after the program is installed and the data sets are compressed. When allocating these data sets, you may want to specify additional space and directory blocks to allow for maintenance.
- Data sets may be reblocked to a larger size, if you desire for your system.
- SMP/E DDDEF entries for each data set should be created at this time, if it has not be done previously.

The space requirements of ODF must be added to the space required by other programs having data in the same data set (library). An estimate of required space is the data set's current allocation plus the space required by ODF.

Figure 12 (Page 1 of 4). Storage Requirements for Target Libraries

Data Set Name or Library Name	Type	Data Set Information
ODFCLST	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
ODFCNTL	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 21 Dir. Blks = 1
ODFFRM	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1

Figure 12 (Page 2 of 4). Storage Requirements for Target Libraries

Data Set Name or Library Name	Type	Data Set Information
ODFGML	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 70 Dir. Blks = 10
ODFHELP	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 10
ODFILES	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 70 Dir. Blks = 1
ODFLOAD	EU	DSORG = PO RECFM = U LRECL = 0 BLKSIZE = 6144 Blocks = 280 Dir. Blks = 1
ODFPROC	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
ODFSAMP	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 2
CLIST	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1

Figure 12 (Page 3 of 4). Storage Requirements for Target Libraries

Data Set Name or Library Name	Type	Data Set Information
CNTL	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 21 Dir. Blks = 1
DSMODGML	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 0
DSMODJNK	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 0
DSMODMAP	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 0
DSMODMSG	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 0
DSMODWRP	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 0
FRMLIB	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1



Figure 12 (Page 4 of 4). Storage Requirements for Target Libraries

Data Set Name or Library Name	Type	Data Set Information
HELP	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
LOADLIB	EU	DSORG = PO RECFM = U LRECL = 0 BLKSIZE = 6144 Blocks = 210 Dir. Blks = 1
MACLIB	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 70 Dir. Blks = 10
PROC	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
SAMPLE	EU	DSORG = PS RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 7 Dir. Blks = 0
SAMPRGML	EU	DSORG = PS RECFM = VB LRECL = 126 BLKSIZE = 6233 Blocks = 6 Dir. Blks = 0

Figure 13 (Page 1 of 2). Storage Requirements for Distribution Libraries

Data Set Name or Library Name	Type	Data Set Information
AODFCLST	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6120 Blocks = 35 Dir. Blks = 1
AODFCNTL	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 21 Dir. Blks = 1
AODFFRM	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
AODFGML	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 70 Dir. Blks = 10
AODFHELP	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 10
AODFILES	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 70 Dir. Blks = 1
AODFPROC	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1

Figure 13 (Page 2 of 2). Storage Requirements for Distribution Libraries

Data Set Name or Library Name	Type	Data Set Information
AODFPROC	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 1
AODFSAMP	EU	DSORG = PO RECFM = FB LRECL = 80 BLKSIZE = 6160 Blocks = 35 Dir. Blks = 2
ODFDIST	EU	DSORG = PO RECFM = U LRECL = 0 BLKSIZE = 6144 Blocks = 315 Dir. Blks = 15

---

## 5.3 Programming Considerations

The following sections list the programming considerations for installing ODF and activating its functions.

### 5.3.1 Program Considerations

#### 5.3.1.1 Pre-Installation Procedures

**5.3.1.1.1 Allocate New Data Sets:** Figure 20 on page 23 shows sample JCL you need to run to allocate new data sets before the installation of ODF. This JCL exists in “ODFBAS.JCLLIB(DSMODIS1).” See 7.1, “Installing ODF” on page 31 for details. Figure 21 on page 25 shows the recommended space allocations for these data sets. **If you rename any of these data sets, you must correspondingly rename references to them in the ODF JCL, CLISTs and catalogued procedures.**

**5.3.1.1.2 Allocate New Data Sets for RAPID:** If you will be using RAPID<sup>4</sup> with ODF, some additional RAPID data sets need to be allocated. If you will NOT be using RAPID with ODF, skip this section and go to 5.3.1.1.3, “Update SMP/E Procedures and Datasets” on page 21.

Figure 14 on page 20 show sample JCL you need to run to allocate new RAPID data sets before the installation of ODF. This JCL exists in “ODFBAS.JCLLIB(DSMODISA).” See 7.1, “Installing ODF” on page 31 for details. **You need to have the “CONVERT,” “RAPIDS1” and “RAPIDS3” high level qualifiers defined on your system for creating these data sets.**

```
//DSMODISA JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*****
//*   RUN THIS JOB ONLY IF YOU ARE USING ODF WITH RAPID   *
//*****
//*
//*
//*****
//*   ALLOCATE NEW DATA SETS FOR ODF WITH RAPID
//*****
//*
//ALLOCR   EXEC PGM=IEFBR14
//*
//SAMPLIB DD DSN=SCRIPT.ODFR40.SAMPLIB,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//CNVSUCES DD DSN=CONVERT.SUCCESS.MSG,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//CNVERROR DD DSN=CONVERT.ERROR.MSG,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//DPARM1   DD DSN=RAPIDS1.DISOSS.PARMS,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//DPARM3   DD DSN=RAPIDS3.DISOSS.PARMS,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
```

Figure 14. New Data Set Allocation for RAPID (DSMODISA)

**If you rename any of the last four data sets in this job, you must correspondingly rename references to them in the J records of the RAPID sample invocation jobs “RAPIDS1” and “RAPIDS3.”** See Appendix A of the Document Composition Facility: Office Document Feature User’s Guide for details on how to do this.

Figure 15 shows the recommended space allocations for these RAPID data sets.

Figure 15. Recommended Sizes for RAPID data sets.

DDname	3330	3350	3380
SAMPLIB	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
CNVSUCES	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))
CNVEERROR	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))
DPARM1	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))
DPARM3	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))

**5.3.1.1.3 Update SMP/E Procedures and Datasets:** All SMP/E install steps assume the existence of a cataloged procedure called SMPPROC containing all necessary DD statements for the execution of SMP/E. If your SMP/E proc is not named SMPPROC, substitute your proc name for SMPPROC where appropriate. If you do not have an SMP/E proc, you can find instructions for building one in the *SMP/E User's Guide*, SC28-1302. The step name in SMPPROC is assumed to be SMP. If your SMP/E proc step name is not SMP substitute your step name for SMP where appropriate.

The following target library DD statements are required in the SMP/E proc for APPLY and RESTORE. **You need to have the "ODF" high level qualifier defined on your system for creating these data sets.** This JCL exists in "ODFBAS.JCLLIB(DSMODIS2)." See 7.1, "Installing ODF" on page 31 for details. **If you rename any of these data sets, you must correspondingly rename references to them in the sample job DSMODIJ1.**

```
//ODFCLST DD DSN=SCRIPT.ODFR40.ODFCLST,DISP=OLD
//ODFCNTL DD DSN=SCRIPT.ODFR40.ODFCNTL,DISP=OLD
//ODFFRM DD DSN=SCRIPT.ODFR40.ODFFRM,DISP=OLD
//ODFGML DD DSN=SCRIPT.ODFR40.ODFGML,DISP=OLD
//ODFHLP DD DSN=SCRIPT.ODFR40.ODFHLP,DISP=OLD
//ODFILES DD DSN=SCRIPT.ODFR40.ODFILES,DISP=OLD
//ODFLOAD DD DSN=SCRIPT.ODFR40.ODFLOAD,DISP=OLD
//ODFPROC DD DSN=SCRIPT.ODFR40.ODFPROC,DISP=OLD
//ODFSAMP DD DSN=SCRIPT.ODFR40.ODFSAMP,DISP=OLD
```

Figure 16. Target Library DD Statements (DSMODIS2)

The following distribution library DD statements are required in the SMP proc for RESTORE and ACCEPT. This JCL exists in "ODFBAS.JCLLIB(DSMODIS3)." See 7.1, "Installing ODF" on page 31 for details.

```
//ODFDIST DD DSN=SCRIPT.ODFR40.ODFDIST,DISP=OLD
//AODFCLST DD DSN=SCRIPT.ODFR40.AODFCLST,DISP=OLD
//AODFCNTL DD DSN=SCRIPT.ODFR40.AODFCNTL,DISP=OLD
//AODFFRM DD DSN=SCRIPT.ODFR40.AODFFRM,DISP=OLD
//AODFGML DD DSN=SCRIPT.ODFR40.AODFGML,DISP=OLD
//AODFHELP DD DSN=SCRIPT.ODFR40.AODFHELP,DISP=OLD
//AODFILES DD DSN=SCRIPT.ODFR40.AODFILES,DISP=OLD
//AODFPROC DD DSN=SCRIPT.ODFR40.AODFPROC,DISP=OLD
//AODFSAMP DD DSN=SCRIPT.ODFR40.AODFSAMP,DISP=OLD
```

Figure 17. Distribution Library DD Statements (DSMODIS3)

The Global Zone OPTIONS entry should specify the recommended values shown in Figure 18.

Figure 18. Global Zone OPTIONS Entries

Sub-entry	Value
DSSPACE	(50,20,100) or greater
PEMAX	999 or greater

See the *SMP/E User's Guide*, SC28-1302, for instructions on updating the GLOBALZONE entries.

The following are the recommended sizes of the SMP work data sets. This JCL exists in "ODFBAS.JCLLIB(DSMODIS4)." See 7.1, "Installing ODF" on page 31 for details.

```
//SMPWRK1 DD UNIT=SYSDA,SPACE=(CYL,(2,1,27)),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120,DSORG=P0)
//SMPWRK2 DD UNIT=SYSDA,SPACE=(CYL,(2,1,27)),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120,DSORG=P0)
//SMPWRK3 DD UNIT=SYSDA,SPACE=(CYL,(2,1,27)),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120,DSORG=P0)
//SMPWRK4 DD UNIT=SYSDA,SPACE=(CYL,(2,1,27)),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120,DSORG=P0)
```

Figure 19. Recommended SMP Work Data Set Allocations (DSMODIS4)

```

//DSMODIS1 JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*****
//*  ALLOCATE NEW DATA SETS FOR ODF
//*****
//*
//ALLOCT  EXEC PGM=IEFBR14
//*
//AODFCLST DD  DSN=SCRIPT.ODFR40.AODFCLST,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFCNTL DD  DSN=SCRIPT.ODFR40.AODFCNTL,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFFRM  DD  DSN=SCRIPT.ODFR40.AODFFRM,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFGML  DD  DSN=SCRIPT.ODFR40.AODFGML,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFHLP  DD  DSN=SCRIPT.ODFR40.AODFHLP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFILES DD  DSN=SCRIPT.ODFR40.AODFILES,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFPROC DD  DSN=SCRIPT.ODFR40.AODFPROC,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//AODFSAMP DD  DSN=SCRIPT.ODFR40.AODFSAMP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFCLST  DD  DSN=SCRIPT.ODFR40.ODFCLST,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFCNTL  DD  DSN=SCRIPT.ODFR40.ODFCNTL,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))

```

Figure 20 (Part 1 of 3). New Data Set Allocation Job (DSMODIS1)

```

//ODFDIST DD DSN=SCRIPT.ODFR40.ODFDIST,DISP=(NEW,CATLG),
//          DCB=(RECFM=U,LRECL=0,BLKSIZE=6144),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFFRM DD DSN=SCRIPT.ODFR40.ODFFRM,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFGML DD DSN=SCRIPT.ODFR40.ODFGML,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFHLP DD DSN=SCRIPT.ODFR40.ODFHLP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFILES DD DSN=SCRIPT.ODFR40.ODFILES,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFLOAD DD DSN=SCRIPT.ODFR40.ODFLOAD,DISP=(NEW,CATLG),
//          DCB=SYS1.LINKLIB,
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFPROC DD DSN=SCRIPT.ODFR40.ODFPROC,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//ODFSAMP DD DSN=SCRIPT.ODFR40.ODFSAMP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//CLIST DD DSN=SCRIPT.ODFR40.CLIST,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//CNTL DD DSN=SCRIPT.ODFR40.CNTL,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//DSMODGML DD DSN=SCRIPT.ODFR40.DSMODGML,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//DSMODJNK DD DSN=SCRIPT.ODFR40.DSMODJNK,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//DSMODMAP DD DSN=SCRIPT.ODFR40.DSMODMAP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))

```

Figure 20 (Part 2 of 3). New Data Set Allocation Job (DSMODIS1)



```

//DSMODMSG DD DSN=SCRIPT.ODFR40.DSMODMSG,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//DSMODWRP DD DSN=SCRIPT.ODFR40.DSMODWRP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//FRMLIB DD DSN=SCRIPT.ODFR40.FRMLIB,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//HELP DD DSN=SCRIPT.ODFR40.HELP,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//LOADLIB DD DSN=SCRIPT.ODFR40.LOADLIB,DISP=(NEW,CATLG),
//          DCB=SYS1.LINKLIB,
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//MACLIB DD DSN=SCRIPT.ODFR40.MACLIB,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//PROC DD DSN=SCRIPT.ODFR40.PROC,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y,z))
//SAMPLE DD DSN=SCRIPT.ODFR40.SAMPLE,DISP=(NEW,CATLG),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))
//SAMPRGML DD DSN=SCRIPT.ODFR40.SAMPRGML,DISP=(NEW,CATLG),
//          DCB=(RECFM=VB,LRECL=126,BLKSIZE=3120),
//          UNIT=xxxx,VOL=SER=nnnnnn,SPACE=(TRK,(x,y))

```

Figure 20 (Part 3 of 3). New Data Set Allocation Job (DSMODIS1)

#### New Data Set Size Recommendations Table:

Figure 21 (Page 1 of 2). New Data Set Size Recommendations

DDNAME	3330	3350	3380
AODFCLST	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
AODFCNTL	(TRK,(15,1,1))	(TRK,(10,1,1))	(TRK,(3,1,1))
AODFFRM	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
AODFGML	(TRK,(40,1,10))	(TRK,(28,1,10))	(TRK,(10,1,10))
AODFHELP	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
AODFILES	(TRK,(40,1,1))	(TRK,(28,1,1))	(TRK,(10,1,1))
AODFPROC	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
AODFSAMP	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,2))
ODFCLST	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))

Figure 21 (Page 2 of 2). New Data Set Size Recommendations

DDNAME	3330	3350	3380
ODFCNTL	(TRK,(15,1,1))	(TRK,(10,1,1))	(TRK,(3,1,1))
ODFDIST	(TRK,(180,1,15))	(TRK,(90,1,15))	(TRK,(45,1,15))
ODFFRM	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
ODFGML	(TRK,(40,1,10))	(TRK,(28,1,10))	(TRK,(10,1,10))
ODFHELP	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
ODFILES	(TRK,(40,1,1))	(TRK,(28,1,1))	(TRK,(10,1,1))
ODFLOAD	(TRK,(160,30,1))	(TRK,(80,30,1))	(TRK,(40,30,1))
ODFPROC	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
ODFSAMP	(TRK,(25,1,2))	(TRK,(15,1,2))	(TRK,(5,1,2))
CLIST	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
CNTL	(TRK,(15,1,1))	(TRK,(10,1,1))	(TRK,(3,1,1))
DSMODGML	(TRK,(25,1))	(TRK,(15,1))	(TRK,(5,1))
DSMODJNK	(TRK,(25,1))	(TRK,(15,1))	(TRK,(5,1))
DSMODMAP	(TRK,(25,1))	(TRK,(15,1))	(TRK,(5,1))
DSMODMSG	(TRK,(25,1))	(TRK,(15,1))	(TRK,(5,1))
DSMODWRP	(TRK,(25,1))	(TRK,(15,1))	(TRK,(5,1))
FRMLIB	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
HELP	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
LOADLIB	(TRK,(60,60,10))	(TRK,(42,42,10))	(TRK,(30,30,1))
MACLIB	(TRK,(40,1,10))	(TRK,(28,1,10))	(TRK,(10,1,10))
PROC	(TRK,(25,1,1))	(TRK,(15,1,1))	(TRK,(5,1,1))
SAMPLE	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))
SAMPRGML	(TRK,(5,1))	(TRK,(3,1))	(TRK,(1,1))

---

## 6.0 Post-Installation Considerations

The installation process results in:

- Two link-edited executable load modules named DSMPFODF and DSMDFODF in 'SCRIPT.ODFR40.LOADLIB'.

The following files are for exclusive use by the two load modules above.

- A Map File named 'SCRIPT.ODFR40.DSMODMAP'.
- Another Map File named 'SCRIPT.ODFR40.DSMODJNK'.
- A GML Map File named 'SCRIPT.ODFR40.DSMODGML'.
- A Wrap File named 'SCRIPT.ODFR40.DSMODWRP'.
- A Message File named 'SCRIPT.ODFR40.DSMODMSG'.
- Three example clist interfaces named RFT2DCF, VERMAP and DCF2RFT for invoking DSMPFODF and DSMDFODF in 'SCRIPT.ODFR40.CLIST'.
- Three help members named RFT2DCF, VERMAP and DCF2RFT in 'SCRIPT.ODFR40.HELP' which provide online help information for the above clists.
- Three example catalogued procedures named RFT2DCF, VERMAP and DCF2RFT for running DSMPFODF and DSMDFODF in batch, in 'SCRIPT.ODFR40.PROC'.
- Three example JCL members named RFT2DCF, VERMAP and DCF2RFT for invoking the above three catalogued procedures, in 'SCRIPT.ODFR40.CNTL'.
- A sample RFT document in 'SCRIPT.ODFR40.SAMPLE'.

The following libraries and codepages are needed exclusively by SCRIPT/VS for formatting ODF-converted RFT/GML documents.

- An ODF macro library named 'SCRIPT.ODFR40.MACLIB'.
- A library of formatting and font mapping files in 'SCRIPT.ODFR40.FRMLIB'.
- Two IBM codepages named T1ODF1 and T1ODF2 in your IBM system font library.
- A codepage named PSCPDF1 in your PostScript font library.
- A sample RFT/GML document in 'SCRIPT.ODFR40.SAMPRGML'.

The data sets '*userid*.ODF.SAMP.RFTDCA' and '*userid*.ODF.SAMP.RFTGML' which were created for installation verification purposes may now be discarded if desired.

---

## 6.1 If You Installed the ODF RAPID Files

If RAPID will be used with ODF, you should have run both sample jobs DSMODISA **and** DSMODIJ3 or their equivalent. As a result of running these jobs, you should have the following files on your system:

- Three RAPID invocation JCL examples named RAPIDS1, RAPIDS2 and RAPIDS3 in 'SCRIPT.ODFR40.SAMPLIB'. These JCL examples will require modification appropriate to your installation. After modifying these examples, they should be moved to the system JCL procedure library at your installation.
- A sequential data set named 'CONVERT.SUCCESS.MSG' to be used when ODF has been invoked successfully by RAPID.
- A sequential data set named 'CONVERT.ERROR.MSG' to be used when ODF has been invoked unsuccessfully by RAPID.
- A sequential data set named 'RAPIDS1.DISOSS.PARMS' which contains DISOSS parameters for use by JCL example RAPIDS1.
- A sequential data set named 'RAPIDS3.DISOSS.PARMS' which contains DISOSS parameters for use by JCL example RAPIDS3.

---

## 6.2 ODF-Specific Tasks after Installation

At such time as your acceptance test has been completed, all the datasets mentioned above must be made available to the general user. The three example catalogued procedures in 'SCRIPT.ODFR40.PROC' should be copied to the system JCL procedure library at your installation.

The three help members in 'SCRIPT.ODFR40.HELP' should be made available to users in a system help library allocated to ddname SYSHELP, or concatenated to the TSO SYSPROC libraries.

### 6.2.1 System Considerations

You must have the IBM C/370 Library, (5688-039) and SMP/E to install ODF.

### 6.2.2 Special Considerations

#### 6.2.2.1 Installation Verification Procedure

The following installation verification procedures assume that you have TSO installed on your MVS system. If you do not have TSO, the RFT2DCF and DCF2RFT batch invocation members in 'SCRIPT.ODFR40.CNTL' may be used to invoke the conversion procedures described below. See the Document Composition Facility: Office Document Feature User's Guide for a discussion of how ODF and DCF can be invoked in batch.

To verify correct installation of ODF, do the following:

1. You must make the *IBM C/370 Library, (5688-039)* available to users in one of the following ways.
  - a. Install the C/370 library in your system link pack area to make it accessible to all users.
  - b. Or, provide users with a logon procedure which uses a STEPLIB DD card which uses the C/370 library datasets.
  - c. Or, you may have a command to set up a dynamic steplib during a TSO session.
2. Make the RFT2DCF, VERMAP and DCF2RFT clists (now in 'SCRIPT.ODFR40.CLIST') available to users in one of two ways:
  - a. Copy the RFT2DCF, VERMAP and DCF2RFT clists into a system clist library allocated to ddname SYSPROC.
  - b. Concatenate 'SCRIPT.ODFR40.CLIST' to your TSO SYSPROC libraries. If your TSO SYSPROC libraries are variable-block record format, you will need to change or copy 'SCRIPT.ODFR40.CLIST'<sup>5</sup> into a variable-blocked data set.

**The verification procedures listed below will work only if you do this step.** Also, doing this will make invocation of ODF easier for users.

3. Convert the sample RFTDCA document 'infile' from RFTDCA format to RFT/GML format by issuing the following command:

```
%RFT2DCF 'infile' OUTFILE(ODF.SAMP.RFTGML)
```

The ODF banner will be displayed like this:

```
Office Document Feature, Release 3, Level (2.0) - date & time
```

where "date & time" is the date and time when the ODF object modules were created. A return code of 0 should be received. The converted data set will be in 'userid.ODF.SAMP.RFTGML' and should compare<sup>6</sup> exactly with 'SCRIPT.ODFR40.ODFRGML'.

4. Reconvert the resulting document from RFT/GML format back to RFTDCA format by issuing the following command:

```
%DCF2RFT ODF.SAMP.RFTGML OUTFILE(ODF.SAMP.RFTDCA)
```

In addition to the ODF banner described above, the following informational message should be displayed:

```
DSMODF850I Start of RFT/GML to RFTDCA converter, in mode SHOW.
```

A return code of "0" should be received.

In the next verification step, DCF 3.2 or above is required.

5. Format the RFT/GML document with DCF, using the following command which uses the FFTOC formatting file:<sup>7</sup> **If you will be using ODF with page printers, you must format for the 3820A to verify correct installation.**

<sup>5</sup> This clist library is shipped in fixed-block record format.

<sup>6</sup> Using the IEBCOMPR utility or its equivalent.

<sup>7</sup> If you would like to use a printer other than an IBM 3820 or your installation does not have IBM 3820 page printer fonts, substitute or omit the command option 'DEV(3820A)' from the command line.

```
SCRIPT ODF.SAMP.RFTGML PROF('SCRIPT.ODFR40.MACLIB(DSM0PROF)')  
LIB('SCRIPT.ODFR40.MACLIB') SEARCH('SCRIPT.ODFR40.FRMLIB')  
FPASSES(2) SYSVAR(F FFTOC) FILE(ODF) DEV(3820A)
```

DCF should run to completion without errors or warnings. Assuming the use of 'DEV(3820A)' above, the formatted document will be in '*userid*.ODF.LIST3820'. **If ODF has been correctly installed for use with page printers, you should be able to find at least one occurrence of the string "T1ODF1" in '*userid*.ODF.LIST3820'.** If no occurrence of "T1ODF1" was found, that means T1ODF1 (and possibly T1ODF2) was not copied to the 3820 font library. See C.3, "DSMODIJ2 - Unload ODF Files & Codepages" on page 55 for how these codepages can be copied to their appropriate libraries.

For a sample copy of the 3820-formatted, printed output of '*userid*.ODF.SAMP.RFTGML', see Appendix B of Document Composition Facility: Office Document Feature User's Guide, under the heading "A Sample of the FFGDOC2 Document Format." Your output should be similar, but will not be exact because the User's Guide example was done on a 4250.

Running this step will cause DCF to create three work data sets named:

```
'userid.ODF.TEMP.DSMUTMTT.TEXT'  
'userid.ODF.TEMP.DSMUTMTB.TEXT'  
'userid.ODF.TEMP.DSMUTFTN.TEXT'
```

These data sets may now be discarded.

If all the above steps were executed without error, this feature has been installed correctly.

---

## 7.0 Installation Instructions

If you obtained ODF in a CBPDO, you can use the RIMLIB job on the CBPDO tape to do the SMP/E RECEIVE for ODF, as well as any service, HOLDDATA, or Preventive Service Planning (PSP) information included on the CBPDO tape. For more information see the *MVS CBPDO Memo to User Extension* included with the CBPDO.

The following sections describe the installation method and the step-by-step procedures to install and to activate the functions of ODF.

This release of ODF is installed using the SMP RECEIVE, APPLY, and ACCEPT method.

---

### 7.1 Installing ODF

#### 7.1.1 Using SMP/E

This is a sample of the SMP/E commands you might use to install ODF.

First RECEIVE the product files.

```
SET BDY(GLOBAL).  
RECEIVE S(JSR1414).
```

Then you may want to APPLY CHECK.

```
SET BDY(targetzone).  
APPLY S(JSR1414) CHECK.
```

Then APPLY.

```
SET BDY(targetzone).  
APPLY S(JSR1414).
```

Then ACCEPT CHECK.

```
SET BDY(dlibzone).  
ACCEPT S(JSR1414) CHECK.
```

Then ACCEPT.

```
SET BDY(dlibzone).  
ACCEPT S(JSR1414).
```

---

## 7.2 Activating the Function of ODF

To activate ODF you should do the following:

- Install the VERMAP, RFT2DCF, and DCF2RFT CLISTs into a system library which can be allocated to the SYSPROC ddname for your users.
- Install the VERMAP, RFT2DCF, and DCF2RFT help members into a system library that can be allocated to ddname SYSHELP.
- Install the VERMAP, RFT2DCF, and DCF2RFT catalogued procedures into a system procedure library.
- Install the T1ODF1 and T1ODF2 codepages into your system FONT3820 library, usually SYS1.FONT3820.



## Appendix A. ODF Install Logic

The Install Logic for ODF follows:

```
++FUNCTION(JSR1414) FESN(6596504)
  FILES(10)
  /*
    THIS PRODUCT CONTAINS RESTRICTED MATERIALS OF IBM
      - 5748-XX9 COPYRIGHT IBM CORP 1988, 1991
      LICENSED MATERIAL - PROGRAM
      PROPERTY OF IBM
      REFER TO COPYRIGHT INSTRUCTIONS
      FORM NUMBER G120-2083
  */
  .
++VER(Z038) DELETE(JSR1313,JSR1314)
  SUP(JSR1313,JSR1314).
++JCLIN RELFILE(1).
++MOD  (DSMCFCBG) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFEND) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFGTE) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFGTK) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFPMG) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFPRS) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFPTE) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFRMG) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCFRMP) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCGVAR) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCLALO) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCLEST) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCLHSH) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCLSTK) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMCLUTL) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFCHC) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFDFE) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFGT0) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFGTT) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFMBR) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFOBR) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFODF) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFOUT) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFPRM) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFSFR) DISTLIB(ODFDIST) RELFILE(2).
++MOD  (DSMDFSHD) DISTLIB(ODFDIST) RELFILE(2).
```

Figure 22 (Part 1 of 7). SMP/E control statements for ODF.

```

++MOD (DSMDFSIP) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDFTX) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDFTRN) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDFXTR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDGVAR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDLUTI) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDRERR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTDAT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTMBD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTMBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTOBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTSFD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTSFT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTSPD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMDTSPT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGRERR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGRMBR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGROBR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGRSFR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTDAT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTMBD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTMBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTOBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTSFD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTSFT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTSPD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMGTSPT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRDAT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRERR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRMBD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRMBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRROBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRSFD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRSFT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRSPD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNRSPT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTDAT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTMBD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTMBT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTOBT) DISTLIB(ODFDIST) RELFILE(2).

```

Figure 22 (Part 2 of 7). SMP/E control statements for ODF.

```

++MOD (DSMNTSFD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTSFT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTSPD) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMNTSPT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFFWS) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFGDT) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFGNR) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFODF) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFPBG) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFPND) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFPRM) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPFSIP) DISTLIB(ODFDIST) RELFILE(2).
++MOD (DSMPGVAR) DISTLIB(ODFDIST) RELFILE(2).
++TEXT (ODF@LIB ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#ALPH) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#CODE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#CONV) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#DFID) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#EIGN) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#FONT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#FOOT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#HEAD) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#IGN ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#LFID) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#LINE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#MESS) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#NULL) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#PAGE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#PFID) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#PICA) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#RF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#RH ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#RTXT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM#TABS) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@ALGN) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@CHAR) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@LNSP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@LVAL) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@PASS) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@PINF) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).

```

Figure 22 (Part 3 of 7). SMP/E control statements for ODF.

```

++TEXT (DSM@PSTN) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSM@UBYP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMAO ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMATF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBES ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBFT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBK ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBLFC) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBOS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMBUS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEA0 ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEES ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEFT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMENT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEK ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMELFC) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMENR ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEOS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEPDT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMEUS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMINT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMNR ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMPD ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMPPIN) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMPPTUN) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMRMF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMRMLF) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMSCG ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMSFG ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMMSKIP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOBS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOCRE ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOHCRE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOIT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOPE ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOPROF) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMORB ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMORCR ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMORPE ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOSBS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).

```

Figure 22 (Part 4 of 7). SMP/E control statements for ODF.

```

++TEXT (DSMOSHY ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOSPS ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMOZICR) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPAOL ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPAOV ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPCREP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPCRPL) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPDFRM) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPFSEP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPLTXT) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPNID ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPNTFA) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPOBJE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPOBJI) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPRULE) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPSSEP) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPTYP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMPUREF) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSAMF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSBT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSDP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSEMF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSEMT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSEND ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSLP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSMP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSMT ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSNFP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSPIN ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSPIP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSPMF ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSRTMF) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSTP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSTUFC) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (DSMSTUP ) SYSLIB(ODFGML) DISTLIB(AODFGML) RELFILE(3).
++TEXT (FFTWOCOL) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFTOC ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFHYPH ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFGDOC ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFSUBSUP) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).

```

Figure 22 (Part 5 of 7). SMP/E control statements for ODF.

```

++TEXT (FFGDOC2 ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFMAPFNT) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFHEAD ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (FFF0IL ) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (DSMFPAGE) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (DSMFAG0) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++TEXT (DSMFPOST) SYSLIB(ODFFRM) DISTLIB(AODFFRM) RELFILE(4).
++SAMP (DSMODIS1) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS2) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS3) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS4) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS5) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS6) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS7) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS8) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIS9) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODISA) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIJ0) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIJ1) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIJ2) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMODIJ3) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (RAPIDS1) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (RAPIDS2) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (RAPIDS3) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (CNVSUCES) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (CNVERROR) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DPARM1) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DPARM3) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++SAMP (DSMSAMPL) SYSLIB(ODFSAMP) DISTLIB(AODFSAMP) RELFILE(5).
++DATA (DSMODMAP) SYSLIB(ODFILES) DISTLIB(AODFILES) RELFILE(6).
++DATA (DSMODGML) SYSLIB(ODFILES) DISTLIB(AODFILES) RELFILE(6).
++DATA (DSMODJNK) SYSLIB(ODFILES) DISTLIB(AODFILES) RELFILE(6).
++DATA (DSMODWRP) SYSLIB(ODFILES) DISTLIB(AODFILES) RELFILE(6).
++DATA (DSMODMSG) SYSLIB(ODFILES) DISTLIB(AODFILES) RELFILE(6).
++SAMP (RFT2DCFJ) SYSLIB(ODFCNTL) DISTLIB(AODFCNTL)
                ALIAS(RFT2DCF) RELFILE(7).
++SAMP (VERMAPJ) SYSLIB(ODFCNTL) DISTLIB(AODFCNTL)
                ALIAS(VERMAP) RELFILE(7).
++SAMP (DCF2RFTJ) SYSLIB(ODFCNTL) DISTLIB(AODFCNTL)
                ALIAS(DCF2RFT) RELFILE(7).

```

Figure 22 (Part 6 of 7). SMP/E control statements for ODF.

```

++MAC  (RFT2DCFP) SYSLIB(ODFPROC) DISTLIB(AODFPROC)
                ALIAS(RFT2DCF) RELFILE(8).
++MAC  (VERMAPP)  SYSLIB(ODFPROC) DISTLIB(AODFPROC)
                ALIAS(VERMAP)  RELFILE(8).
++MAC  (DCF2RFTP) SYSLIB(ODFPROC) DISTLIB(AODFPROC)
                ALIAS(DCF2RFT) RELFILE(8).
++DATA (RFT2DCFH) SYSLIB(ODFHELP) DISTLIB(AODFHELP)
                ALIAS(RFT2DCF) RELFILE(9).
++DATA (VERMAPH)  SYSLIB(ODFHELP) DISTLIB(AODFHELP)
                ALIAS(VERMAP)  RELFILE(9).
++DATA (DCF2RFTH) SYSLIB(ODFHELP) DISTLIB(AODFHELP)
                ALIAS(DCF2RFT) RELFILE(9).
++CLIST(RFT2DCF)  SYSLIB(ODFCLST) DISTLIB(AODFCLST) RELFILE(10).
++CLIST(VERMAP)   SYSLIB(ODFCLST) DISTLIB(AODFCLST) RELFILE(10).
++CLIST(DCF2RFT)  SYSLIB(ODFCLST) DISTLIB(AODFCLST) RELFILE(10).

```

*Figure 22 (Part 7 of 7). SMP/E control statements for ODF.*

The entire set of SMP modification control statements for the installation can be obtained by printing the first file of the ODF program tape.





---

## Appendix B. JCLIN for ODF

The JCLIN for ODF follows.

```
//LNKPFODF EXEC PGM=HEWL,REGION=1024K,  
//          PARM='XREF,LIST,AMODE=31,RMODE=ANY,NCAL,LET'  
//SYSPRINT DD   SYSOUT=*  
//SYSLOAD DD   DISP=OLD,DSN=SCRIPT.ODFR40.ODFLOAD  
//SYSUT1 DD   UNIT=SYSDA,SPACE=(TRK,(10,20))  
//ODFDIST DD   DISP=OLD,DSN=SCRIPT.ODFR40.ODFDIST  
//SYSLIN DD   *  
INCLUDE ODFDIST(DSMCFDBG)  
INCLUDE ODFDIST(DSMCFBND)  
INCLUDE ODFDIST(DSMCFGTE)  
INCLUDE ODFDIST(DSMCFGTK)  
INCLUDE ODFDIST(DSMCFPMG)  
INCLUDE ODFDIST(DSMCFPRS)  
INCLUDE ODFDIST(DSMCFPTE)  
INCLUDE ODFDIST(DSMCFRMG)  
INCLUDE ODFDIST(DSMCFRMP)  
INCLUDE ODFDIST(DSMCGVAR)  
INCLUDE ODFDIST(DSMCLALO)  
INCLUDE ODFDIST(DSMCLEST)  
INCLUDE ODFDIST(DSMCLHSH)  
INCLUDE ODFDIST(DSMCLSTK)  
INCLUDE ODFDIST(DSMCLUTL)  
INCLUDE ODFDIST(DSMGRERR)  
INCLUDE ODFDIST(DSMGRMBR)  
INCLUDE ODFDIST(DSMGROBR)  
INCLUDE ODFDIST(DSMGRSFR)  
INCLUDE ODFDIST(DSMGTDAT)  
INCLUDE ODFDIST(DSMGTMBD)  
INCLUDE ODFDIST(DSMGTMBT)  
INCLUDE ODFDIST(DSMGTGBT)  
INCLUDE ODFDIST(DSMGTSFD)  
INCLUDE ODFDIST(DSMGTSFT)  
INCLUDE ODFDIST(DSMGTSPD)  
INCLUDE ODFDIST(DSMGTSPT)  
INCLUDE ODFDIST(DSMNRDAT)  
INCLUDE ODFDIST(DSMNRERR)  
INCLUDE ODFDIST(DSMNRMBD)  
INCLUDE ODFDIST(DSMNRMBT)  
INCLUDE ODFDIST(DSMNRGBT)  
INCLUDE ODFDIST(DSMNRSFD)
```

Figure 23 (Part 1 of 2). SMP/E JCLIN to link ODF

```
INCLUDE ODFDIST(DSMNRSFT)
INCLUDE ODFDIST(DSMNRSPD)
INCLUDE ODFDIST(DSMNRSPT)
INCLUDE ODFDIST(DSMNTDAT)
INCLUDE ODFDIST(DSMNTMBD)
INCLUDE ODFDIST(DSMNTMBT)
INCLUDE ODFDIST(DSMNTOBT)
INCLUDE ODFDIST(DSMNTSFD)
INCLUDE ODFDIST(DSMNTSFT)
INCLUDE ODFDIST(DSMNTSPD)
INCLUDE ODFDIST(DSMNTSPT)
INCLUDE ODFDIST(DSMPFFWS)
INCLUDE ODFDIST(DSMPFGDT)
INCLUDE ODFDIST(DSMPFGNR)
INCLUDE ODFDIST(DSMPFODF)
INCLUDE ODFDIST(DSMPFPBG)
INCLUDE ODFDIST(DSMPFPND)
INCLUDE ODFDIST(DSMPFPRM)
INCLUDE ODFDIST(DSMPFSIP)
INCLUDE ODFDIST(DSMPGVAR)
NAME DSMPFNEX(R)
```

*Figure 23 (Part 2 of 2). SMP/E JCLIN to link ODF*

```

//LNKDFODF EXEC PGM=HEWL,REGION=1024K,
//          PARM='XREF,LIST,AMODE=31,RMODE=ANY,NCAL,LET'
//SYSPRINT DD  SYSOUT=*
//SYSLMOD  DD  DISP=OLD,DSN=SCRIPT.ODFR40.ODFLOAD
//SYSUT1   DD  UNIT=SYSDA,SPACE=(TRK,(10,20))
//ODFDIST  DD  DISP=OLD,DSN=SCRIPT.ODFR40.ODFDIST
//SYSLIN   DD  *
INCLUDE ODFDIST(DSMCFCBG)
INCLUDE ODFDIST(DSMCFEND)
INCLUDE ODFDIST(DSMCFGTE)
INCLUDE ODFDIST(DSMCFGTK)
INCLUDE ODFDIST(DSMCFPMG)
INCLUDE ODFDIST(DSMCFPRS)
INCLUDE ODFDIST(DSMCFPTE)
INCLUDE ODFDIST(DSMCFRMG)
INCLUDE ODFDIST(DSMCFRMP)
INCLUDE ODFDIST(DSMCGVAR)
INCLUDE ODFDIST(DSMCLALO)
INCLUDE ODFDIST(DSMCLEST)
INCLUDE ODFDIST(DSMCLHSH)
INCLUDE ODFDIST(DSMCLSTK)
INCLUDE ODFDIST(DSMCLUTL)
INCLUDE ODFDIST(DSMDFCHC)
INCLUDE ODFDIST(DSMDFDFE)
INCLUDE ODFDIST(DSMDFGTO)
INCLUDE ODFDIST(DSMDFGTT)
INCLUDE ODFDIST(DSMDFMBR)
INCLUDE ODFDIST(DSMDFOBR)
INCLUDE ODFDIST(DSMDFODF)
INCLUDE ODFDIST(DSMDFOUT)
INCLUDE ODFDIST(DSMDFPRM)
INCLUDE ODFDIST(DSMDFSFR)
INCLUDE ODFDIST(DSMDFSHD)
INCLUDE ODFDIST(DSMDFSIP)
INCLUDE ODFDIST(DSMDFTEX)
INCLUDE ODFDIST(DSMDFTRN)
INCLUDE ODFDIST(DSMDFXTR)
INCLUDE ODFDIST(DSMGVAR)
INCLUDE ODFDIST(DSMDLUTI)
INCLUDE ODFDIST(DSMDRERR)

```

Figure 24 (Part 1 of 2). SMP/E JCLIN to link ODF

```
INCLUDE ODFDIST(DSMDT DAT)
INCLUDE ODFDIST(DSMDT MBD)
INCLUDE ODFDIST(DSMDT MBT)
INCLUDE ODFDIST(DSMDT OBT)
INCLUDE ODFDIST(DSMDT SFD)
INCLUDE ODFDIST(DSMDT SFT)
INCLUDE ODFDIST(DSMDT SPD)
INCLUDE ODFDIST(DSMDT SPT)
INCLUDE ODFDIST(DSMNR DAT)
INCLUDE ODFDIST(DSMNR ERR)
INCLUDE ODFDIST(DSMNR MBD)
INCLUDE ODFDIST(DSMNR MBT)
INCLUDE ODFDIST(DSMNR OBT)
INCLUDE ODFDIST(DSMNR SFD)
INCLUDE ODFDIST(DSMNR SFT)
INCLUDE ODFDIST(DSMNR SPD)
INCLUDE ODFDIST(DSMNR SPT)
INCLUDE ODFDIST(DSMNT DAT)
INCLUDE ODFDIST(DSMNT MBD)
INCLUDE ODFDIST(DSMNT MBT)
INCLUDE ODFDIST(DSMNT OBT)
INCLUDE ODFDIST(DSMNT SFD)
INCLUDE ODFDIST(DSMNT SFT)
INCLUDE ODFDIST(DSMNT SPD)
INCLUDE ODFDIST(DSMNT SPT)
NAME DSMDFNEX(R)
```

*Figure 24 (Part 2 of 2). SMP/E JCLIN to link ODF*

---

## Appendix C. Sample Intermediate Jobs

---

### C.1 DSMODIJ0 - Build ODF Executable Modules

```
.
//DSMODIJ0 JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*****
//* LINKEDIT THE ODF MODULES 'DSMPFNEX' and 'DSMDFNEX'
//*****
//*
//LNKPFNEX EXEC PGM=HEWL,REGION=1024K,
//          PARM='XREF,LIST,AMODE=31,RMODE=ANY'
//SYSPRINT DD  SYSOUT=*
//SYSERR   DD  SYSOUT=*
//SYSTEM   DD  SYSOUT=*
//SYSLIB   DD  DSN=EDC.V1R1M0.SEDCBASE,DISP=SHR
//          DD  DSN=PLI211.V2R2M0.SIBMBASE,DISP=SHR
//SYSLMOD   DD  DISP=OLD,DSN=SCRIPT.ODFR40.LOADLIB
//SYSUT1    DD  UNIT=SYSDA,SPACE=(TRK,(10,20))
//ODFLOAD   DD  DISP=OLD,DSN=SCRIPT.ODFR40.ODFLOAD
//SYSLIN    DD  *
INCLUDE ODFLOAD(DSMPFNEX)
ENTRY  CEESTART
NAME DSMPFODF(R)
INCLUDE ODFLOAD(DSMDFNEX)
ENTRY  CEESTART
NAME DSMDFODF(R)
/*
```

Figure 25. Job to run after SMP/E install to resolve library references.

## C.2 DSMODIJ1 - Copy ODF Libraries and Files

```
//DSMODIJ1 JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*****
//* COPY THE ODF MACROS INTO 'SCRIPT.ODFR40.MACLIB'
//*****
//*
//COPYGML EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFGML DD DSN=SCRIPT.ODFR40.ODFGML,DISP=OLD
//MACLIB DD DSN=SCRIPT.ODFR40.MACLIB,DISP=OLD
//SYSIN DD *
        COPY OUTDD=MACLIB
            INDD=ODFGML
SELECT MEMBER=( (ODF@LIB,,R),
                (DSM#ALPH,,R),
                (DSM#CODE,,R),
                (DSM#CONV,,R),
                (DSM#DFID,,R),
                (DSM#EIGN,,R),
                (DSM#FONT,,R),
                (DSM#FOOT,,R),
                (DSM#HEAD,,R),
                (DSM#IGN,,R),
                (DSM#LFID,,R),
                (DSM#LINE,,R),
                (DSM#MESS,,R),
                (DSM#NULL,,R),
                (DSM#PAGE,,R),
                (DSM#PFID,,R),
                (DSM#PICA,,R),
                (DSM#RF,,R),
                (DSM#RH,,R),
                (DSM#RTXT,,R),
                (DSM#TABS,,R),
                (DSM@ALGN,,R),
                (DSM@CHAR,,R),
```

Figure 26 (Part 1 of 9). Job to copy parts to target libraries.

(DSM@LNSP,,R),	X
(DSM@LVAL,,R),	X
(DSM@PASS,,R),	X
(DSM@PINF,,R),	X
(DSM@PSTN,,R),	X
(DSM@UBYP,,R),	X
(DSMMAO,,R),	X
(DSMMATE,,R),	X
(DSMMBES,,R),	X
(DSMMBFT,,R),	X
(DSMMBK,,R),	X
(DSMMBLFC,,R),	X
(DSMMBOS,,R),	X
(DSMMBUS,,R),	X
(DSMMEA0,,R),	X
(DSMMEES,,R),	X
(DSMMEFT,,R),	X
(DSMMEINT,,R),	X
(DSMMEK,,R),	X
(DSMMELFC,,R),	X
(DSMMENR,,R),	X
(DSMMEOS,,R),	X
(DSMMEPDT,,R),	X
(DSMMEUS,,R),	X
(DSMMINT,,R),	X
(DSMMNR,,R),	X
(DSMMPDT,,R),	X
(DSMMPPIN,,R),	X
(DSMMPTUN,,R),	X
(DSMMRMF,,R),	X
(DSMMRMLF,,R),	X
(DSMMSCG,,R),	X
(DSMMSFG,,R),	X
(DSMMSKIP,,R),	X
(DSMOBS,,R),	X
(DSMOCRE,,R),	X
(DSMOHCRE,,R),	X
(DSMOIT,,R),	X
(DSMOPE,,R),	X
(DSMOPROF,,R),	X

Figure 26 (Part 2 of 9). Job to copy parts to target libraries.

(DSMORB,,R),	X
(DSMORCR,,R),	X
(DSMORPE,,R),	X
(DSMOSBS,,R),	X
(DSMOSHY,,R),	X
(DSMOSPS,,R),	X
(DSMOZICR,,R),	X
(DSMPAOL,,R),	X
(DSMPAOV,,R),	X
(DSMPCREP,,R),	X
(DSMPCRPL,,R),	X
(DSMPDFRM,,R),	X
(DSMPFSEP,,R),	X
(DSMPLTXT,,R),	X
(DSMPNID,,R),	X
(DSMPNTFA,,R),	X
(DSMPOBJE,,R),	X
(DSMPOBJI,,R),	X
(DSMPRULE,,R),	X
(DSMPSESEP,,R),	X
(DSMPTYP,,R),	X
(DSMPUREF,,R),	X
(DSMSAMF,,R),	X
(DSMSBT,,R),	X
(DSMSDP,,R),	X
(DSMSEMF,,R),	X
(DSMSEMT,,R),	X
(DSMSEND,,R),	X
(DSMSLP,,R),	X
(DSMSMP,,R),	X
(DSMSMT,,R),	X
(DSMSNFP,,R),	X
(DSMSPIN,,R),	X
(DSMSPIP,,R),	X
(DSMSPMF,,R),	X
(DSMSRTMF,,R),	X
(DSMSTP,,R),	X
(DSMSTUFC,,R),	X
(DSMSTUP,,R))	
/*	
/**	

Figure 26 (Part 3 of 9). Job to copy parts to target libraries.



Figure 26 (Part 4 of 9). Job to copy parts to target libraries.

```

//*****
//* COPY ODF MAP FILE INTO 'SCRIPT.ODFR40.DSMODMAP'
//*****
//*
//COPYMMAP EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFILES(DSMODMAP),DISP=OLD
//SYSUT2 DD DSN=SCRIPT.ODFR40.DSMODMAP,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
/*
//*****
//* COPY ODF JNK MAP FILE INTO 'SCRIPT.ODFR40.DSMODJNK'
//*****
//*
//COPYMJNK EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFILES(DSMODJNK),DISP=OLD
//SYSUT2 DD DSN=SCRIPT.ODFR40.DSMODJNK,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
/*
//*****
//* COPY ODF GML MAP FILE INTO 'SCRIPT.ODFR40.DSMODGML'
//*****
//*
//COPYMGML EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFILES(DSMODGML),DISP=OLD
//SYSUT2 DD DSN=SCRIPT.ODFR40.DSMODGML,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
/*

```

Figure 26 (Part 5 of 9). Job to copy parts to target libraries.

```

//*****
//*  COPY ODF WRAP FILE INTO 'SCRIPT.ODFR40.DSMODWRP'
//*****
//*
//COPYWRP  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=SCRIPT.ODFR40.ODFILES(DSMODWRP),DISP=OLD
//SYSUT2   DD DSN=SCRIPT.ODFR40.DSMODWRP,DISP=OLD
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN    DD DUMMY
//*
//*
//*****
//*  COPY ODF MSG FILE INTO 'SCRIPT.ODFR40.DSMODMSG'
//*****
//*
//COPYMSG  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=SCRIPT.ODFR40.ODFILES(DSMODMSG),DISP=OLD
//SYSUT2   DD DSN=SCRIPT.ODFR40.DSMODMSG,DISP=OLD
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN    DD DUMMY
//*
//*

```

Figure 26 (Part 6 of 9). Job to copy parts to target libraries.

```

//*****
//*  COPY ODF SAMPLE INVOCATION JCL INTO 'SCRIPT.ODFR40.CNTL'
//*****
//*
//COPYCNTL EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFCNTL DD DSN=SCRIPT.ODFR40.ODFCNTL,DISP=OLD
//CNTL DD DSN=SCRIPT.ODFR40.CNTL,DISP=OLD
//SYSIN DD *
        COPY OUTDD=CNTRL
            INDD=ODFCNTL
            SELECT MEMBER=((RFT2DCFJ,RFT2DCF,R),          X
                          (VERMAPJ,VERMAP,R),            X
                          (DCF2RFTJ,DCF2RFT,R))

/*
//*
//*****
//*  COPY ODF SAMPLE CATALOGUED PROCEDURES 'SCRIPT.ODFR40.PROC'
//*****
//*
//COPYPROC EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFPROC DD DSN=SCRIPT.ODFR40.ODFPROC,DISP=OLD
//PROC DD DSN=SCRIPT.ODFR40.PROC,DISP=OLD
//SYSIN DD *
        COPY OUTDD=PROC
            INDD=ODFPROC
            SELECT MEMBER=((RFT2DCFP,RFT2DCF,R),          X
                          (VERMAPP,VERMAP,R),            X
                          (DCF2RFTP,DCF2RFT,R))

/*
//*

```

Figure 26 (Part 7 of 9). Job to copy parts to target libraries.

```

//*****
//* COPY ODF SAMPLE INVOCATION CLISTS INTO 'SCRIPT.ODFR40.CLIST'
//*****
//*
//COPYCLST EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFCLST DD DSN=SCRIPT.ODFR40.ODFCLST,DISP=OLD
//CLIST DD DSN=SCRIPT.ODFR40.CLIST,DISP=OLD
//SYSIN DD *
        COPY OUTDD=CLIST
           INDD=ODFCLST
        SELECT MEMBER=((RFT2DCF,,R),
                        (VERMAP,,R),
                        (DCF2RFT,,R))
//*
//*
//*****
//* COPY ODF CLIST HELP MEMBERS INTO 'SCRIPT.ODFR40.HELP'
//*****
//*
//COPYHELP EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFHELP DD DSN=SCRIPT.ODFR40.ODFHELP,DISP=OLD
//HELP DD DSN=SCRIPT.ODFR40.HELP,DISP=OLD
//SYSIN DD *
        COPY OUTDD=HELP
           INDD=ODFHELP
        SELECT MEMBER=((RFT2DCFH,RFT2DCF,R),
                        (VERMAPH,VERMAP,R),
                        (DCF2RFTH,DCF2RFT,R))
//*
//*

```

Figure 26 (Part 8 of 9). Job to copy parts to target libraries.

```

//*****
//*  COPY ODF SAMPLE RFT DOCUMENT INTO 'SCRIPT.ODFR40.SAMPLE'
//*****
//*
//COPYSAMP EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=SCRIPT.ODFR40.ODFSAMP(DSMSAMPL),DISP=OLD
//SYSUT2   DD DSN=SCRIPT.ODFR40.SAMPLE,DISP=OLD
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN    DD DUMMY
//*
//

```

*Figure 26 (Part 9 of 9). Job to copy parts to target libraries.*

### C.3 DSMODIJ2 - Unload ODF Files & Codepages

```
//DSMODIJ2 JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*
//*****
/* UNLOAD SAMPLE RFT/GML FILE FROM TAPE 'SCRIPT.ODFR40.SAMPRGML'
//*****
//*
//UNLDSAMP EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=JSR1414.F3,UNIT=(TAPE,,DEFER),LABEL=(4,SL),
//      VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2 DD DSN=SCRIPT.ODFR40.SAMPRGML,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
//*
//*****
/* UNLOAD T10DF1 CODEPAGE FROM TAPE INTO 'SYS1.FONT3820'
//*****
//*
//UNLDCP1 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=JSR1414.F4,UNIT=(TAPE,,DEFER),LABEL=(5,SL),
//      VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2 DD DSN=SYS1.FONT3820(T10DF1),DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
//*
```

Figure 27 (Part 1 of 3). Job to unload sample document from tape

```

//*****
//*  UNLOAD ODF1 CODEPAGE FROM TAPE INTO 'SYS1.AIMAGE'
//*****
//*
//UNLDCP2 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=JSR1414.F5,UNIT=(TAPE,,DEFER),LABEL=(6,SL),
//        VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2 DD DSN=SYS1.AIMAGE(ODF1),DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
//*
//*
//*****
//*  UNLOAD PSCPDF1 CODEPAGE FROM TAPE INTO 'SCRIPT.R32.FONTPS'
//*****
//*
//UNLDCP3 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=JSR1414.F6,UNIT=(TAPE,,DEFER),LABEL=(7,SL),
//        VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2 DD DSN=SCRIPT.R32.FONTPS(PSCPDF1),DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
//*
//*

```

Figure 27 (Part 2 of 3). Job to unload sample document from tape



```

//*****
//*  UNLOAD T10DF2 CODEPAGE FROM TAPE INTO 'SYS1.FONT3820'
//*****
//*
//UNLDCP4  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=JSR1414.F7,UNIT=(TAPE,,DEFER),LABEL=(8,SL),
//          VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2   DD DSN=SYS1.FONT3820(T10DF2),DISP=OLD
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN    DD DUMMY
//*
//*
//*****
//*  UNLOAD 0DF2 CODEPAGE FROM TAPE INTO 'SYS1.AIMAGE'
//*****
//*
//UNLDCP5  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=JSR1414.F8,UNIT=(TAPE,,DEFER),LABEL=(9,SL),
//          VOL=SER=SR1314,DISP=(OLD,PASS)
//SYSUT2   DD DSN=SYS1.AIMAGE(0DF2),DISP=OLD
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN    DD DUMMY
//*
//

```

Figure 27 (Part 3 of 3). Job to unload sample document from tape

## C.4 DSMODIJ3 - Copy RAPID Jobs and Files

```
//DSMODIJ3 JOB 'account #','name',MSGLEVEL=(1,1)
//*
//*-----*
//* Run this job only if you are using ODF with RAPID. Make *
//* sure you have run DSMODISA before running this job. *
//*-----*
//*
//*
//*-----*
//* Copy the Sample RAPID JCL members into *
//* 'SCRIPT.ODFR40.SAMPLIB'. *
//*-----*
//*
//COPYSMPL EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//ODFSAMP DD DSN=SCRIPT.ODFR40.ODFSAMP,DISP=OLD
//SAMPLIB DD DSN=SCRIPT.ODFR40.SAMPLIB,DISP=OLD
//SYSIN DD *
        COPY OUTDD=SAMPLIB
           INDD=ODFSAMP
           SELECT MEMBER=((RAPIDS1,,R), X
                          (RAPIDS2,,R), X
                          (RAPIDS3,,R))
/*
//*-----*
//* COPY THE ODF RAPID SUCCESS FILE INTO *
//* 'CONVERT.SUCCESS.MSG' *
//*-----*
//*
//COPYSCC EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFSAMP(CNVSUCCS),DISP=OLD
//SYSUT2 DD DSN=CONVERT.SUCCESS.MSG,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
//*
```

Figure 28 (Part 1 of 2). Job to copy RAPID JCL

```

/*-----*
/* COPY THE ODF RAPID ERROR FILE INTO 'CONVERT.ERROR.MSG'      *
/*-----*
/*
//COPYERR EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFSAMP(CNVERROR),DISP=OLD
//SYSUT2 DD DSN=CONVERT.ERROR.MSG,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
/*
/*-----*
/* COPY THE DISOSS PARAMETERS FILE FOR THE SAMPLE JOB          *
/* RAPIDS1 INTO 'RAPIDS1.DISOSS.PARMS'                          *
/*-----*
/*
//COPYDP1 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFSAMP(DPARM1),DISP=OLD
//SYSUT2 DD DSN=RAPIDS1.DISOSS.PARMS,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
/*
/*-----*
/* COPY THE DISOSS PARAMETERS FILE FOR THE SAMPLE JOB          *
/* RAPIDS3 INTO 'RAPIDS3.DISOSS.PARMS'                          *
/*-----*
/*
//COPYDP3 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=SCRIPT.ODFR40.ODFSAMP(DPARM3),DISP=OLD
//SYSUT2 DD DSN=RAPIDS3.DISOSS.PARMS,DISP=OLD
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSUT4 DD UNIT=SYSDA,SPACE=(TRK,(1))
//SYSIN DD DUMMY
/*
//

```

Figure 28 (Part 2 of 2). Job to copy RAPID JCL



## Appendix D. Reader's Comments

**Program Directory for Document Composition Facility Office Document Feature Release 4.1**

To better enable us to reflect your needs in future Program Directories, please complete the following matrix, entering a number in the range of one (for very poor or very low) to five (for very good or very high).

Completeness
Accuracy
Clarity
Format
Usefulness

Please provide specific comments below. Attach additional sheets if necessary.

[illegible]



After completing the evaluation, detach the evaluation page(s) and send via first class mail to:

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