



Program Directory for Overlay Generation Language/370

Release 01, Modification Level 00

Program Number 5688-191

FMIDs HVRL100, JVRL107, JVRL108, JVRL109

for Use with
MVS
OS/390

CBPDO Level SMC0050
Service Level 0050

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Note!

Before using this information and the product it supports, be sure to read the general information under “Notices” on page vii.

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APAR numbers are provided in this document to assist in locating PTFs that may be required. Ongoing problem reporting may result in additional APARs being created. Therefore, the APAR lists in this document may not be complete. To obtain current service recommendations and to identify current product service requirements, always contact the IBM Customer Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket".

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1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of Overlay Generation Language/370. This publication refers to Overlay Generation Language/370 as OGL/370. You should read all of this program directory before installing the program and then keep it for future reference.

The program directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic and optional program materials and documentation for OGL/370.
- 3.0, "Program Support" on page 7 describes the IBM support available for OGL/370.
- 4.0, "Program and Service Level Information" on page 9 lists the APARs (program level) and PTFs (service level) incorporated into OGL/370.
- 5.0, "Installation Requirements and Considerations" on page 13 identifies the resources and considerations for installing and using OGL/370.
- 6.0, "Installation Instructions" on page 19 provides detailed installation instructions for OGL/370. It also describes the procedures for activating the functions of OGL/370, or refers to appropriate publications.

Before installing OGL/370, read 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.

Do not use this program directory if you are installing OGL/370 with a SystemPac or ServerPac. When using these offerings, use the jobs and documentation supplied with the offering. This documentation may point you to specific sections of the program directory as required.

If you are installing OGL/370 using the MVS Custom-Built Product Delivery Offering (CBPDO, 5751-CS3), a softcopy program directory is provided on the CBPDO tape which is identical to the printed copy shipped with your order. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for OGL/370 are included on the CBPDO tape.

1.1 OGL/370 Description

Overlay Generation Language/370 (OGL/370) is part of IBM's Advanced Function Presentation software and supports the requirements for defining electronic forms overlays.

OGL/370 supports the printers that are supported by PSF for OS/390. This includes the following printers:

- 3112 Page Printer Model 001
- 3116 Page Printer Models 001, 002, 003
- 3130 Advanced Function Printer Models 01S, 02S, 02D, 03S

- 3160 Advanced Function Printer Model 001
- 3800 Printing Subsystem Model 3, Model 6, and Model 8
- 3812 Page Printer Model 2
- 3816 Page Printer Model 01S and Model 01D
- 3820 Page Printer
- 3825 Page Printer
- 3827 Page Printer
- 3828 Advanced Function MICR Printer
- 3829 Advanced Function Printer
- 3831 Page Printer Model 001 (available only in Japan)
- 3835 Page Printer Model 001
- 3835 Advanced Function Printer Model 002
- 3900 Advanced Function Printer Model 001
- 3900 Advanced Function Standard Duplex Printing System Models D01 and D02
- 3900 Advanced Function Wide Duplex Printing System Models DW1 and DW2
- 3900 Wide Advanced Function Printer Models 0W1 and 0W3
- 3912 Page Printer Model NS1
- 3916 Page Printer Model NS1
- 3930 Page Printer Model 02S and Model 02D
- 3935 Advanced Function Printer Model 001
- LaserPrinter 4028 Model AS1 and Model NS1
- IBM InfoPrint 60 Printer
- IBM InfoPrint 62 Printer
- IBM InfoPrint 4000 Printer (all models)

1.2 OGL/370 FMIDs

OGL/370 consists of the following FMIDs:

HVRL100
JVRL107
JVRL108
JVRL109

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for OGL/370 is 5688-191.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature code, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature codes, and are not required for the product to function.

The program announcement material describes the features supported by OGL/370. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is 9-track magnetic tape (written at 6250 BPI) or 3480 cartridge. The tape or cartridge contains all the programs and data needed for installation. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions" on page 19 for more information about how to install the program.

Figure 1 describes the tape or cartridge.

<i>Figure 1. Basic Material: Program Tape</i>				
Medium	Feature Number	Physical Volume	External Label Identification	VOLSER
6250 tape	5861	1	OGL370.MVS.ENU	VRL100
3480 cart	5862	1	OGL370.MVS.ENU	VRL100
6250 tape	5228	1	OGL370.MVS.DEU	VRL100
3480 cart	5229	1	OGL370.MVS.DEU	VRL100
6250 tape	5242	1	OGL370.MVS.JPN	VRL100
3480 cart	5243	1	OGL370.MVS.JPN	VRL100

NOTE: All FMIDs are stacked on one physical volume and provided with every feature number.

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for OGL/370.

2.3 Program Publications

The following sections identify the basic and optional publications for OGL/370.

2.3.1 Basic Program Publications

Figure 2 identifies the basic unlicensed program publications for OGL/370. One copy of each of these publications is included when you order the basic materials for OGL/370. For additional copies, contact your IBM representative.

<i>Figure 2. Basic Material: Unlicensed Publications</i>	
Publication Title	Form Number
OGL/370: Getting Started	G544-3691
OGL/370: Licensed Program Specifications	G544-3697
OGL/370: User's Guide and Reference	S544-3702
OGL/370: Quick Reference Summary	S544-3703

2.3.2 Optional Program Publications

Figure 3 identifies the optional licensed program publications for OGL/370. The first copy is available at no charge to licensees of the optional material by ordering the 7037 Feature Number. Order additional copies using the 8049 Feature Number. A fee is charged for additional copies.

<i>Figure 3. Optional Material: Licensed Publications</i>		
Publication Title	Form Number	Feature Number
OGL/370: Diagnosis Guide and Reference	LH40-0208	7037
OGL/370: Diagnosis Guide and Reference	LH40-0208	8049

2.4 Program Source Materials

No program source materials or viewable program listings are provided for OGL/370.

2.5 Publications Useful During Installation

The publications listed in Figure 4 may be useful during the installation of OGL/370. To order copies, contact your IBM representative.

Figure 4. Publications Useful During Installation

Publication Title	Form Number
OS/390 SMP/E User's Guide	SC28-1740
OS/390 SMP/E Commands	SC28-1805
OS/390 SMP/E Reference	SC28-1806
OS/390 SMP/E Messages and Codes	SC28-1738
<i>SMP/E Reference</i>	SC28-1107
<i>SMP/E User's Guide</i>	SC28-1302
<i>SMP/E Messages and Codes</i>	SC28-1108
<i>OS/390 MVS JCL Reference</i>	GC28-1757
<i>MVS/ESA V5 JCL Reference</i>	GC28-1479

3.0 Program Support

This section describes the IBM support available for OGL/370.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before installing OGL/370, you should review the current Preventive Service Planning (PSP) information. If you obtained OGL/370 as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO tape.

If you obtained OGL/370 on a product tape, or if the CBPDO is more than two weeks old when you install it, you should contact the IBM Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket".

PSP Buckets are identified by UPGRADEs, which specify product levels, and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for OGL/370 are:

<i>Figure 5. PSP Upgrade and Subset ID</i>		
UPGRADE	SUBSET	Description
OGL370	HVRL100/0050	OGL/370 Base
OGL370	JVRL107/0050	OGL/370 English
OGL370	JVRL108/0050	OGL/370 German
OGL370	JVRL109/0050	OGL/370 Japanese

3.3 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will provide the address to which any needed documentation can be sent.

Figure 6 identifies the component IDs (COMPID) for OGL/370.

Figure 6. Component IDs

FMID	COMPID	Component Name	RETAIN Release
HVRL100	568819101	OGI/370 Base	100
JVRL107	568819101	OGI/370 English	107
JVRL108	568819101	OGI/370 German	108
JVRL109	568819101	OGI/370 Japanese	109

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of OGL/370. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated.

This program is at Service Level 0050.

4.1 Program Level Information

The following APAR fixes against the previous release of OGL/MVS (Version 1.2.0) have been incorporated into OGL/370:

OY00101	OY21613	OY29695	OZ86562
OY00544	OY22673	OY29697	OZ89443
OY02989	OY24795	OZ81050	OZ89444
OY06839	OY29651	OZ82918	OZ89445
OY15772	OY29660	OZ83131	OZ91316
OY16694	OY29662	OZ84382	OZ95922
OY19507	OY29670	OZ84383	OZ96214
OY21425	OY29694	OZ85549	

The following PTFs contain the APAR fixes against the previous release of OGL/MVS (Version 1.2.0) and have been incorporated into OGL/370.

UY00226	UY28194	UZ79268	UZ44406
UY00322	UY35332	UZ78593	UZ44576
UY00905	UY37063	UZ38205	UZ80016
UY04922	UY39231	UZ80016	UZ46733
UY11417	UY39300	UZ90368	UZ81455
UY90297	UZ90362	UZ42999	

4.2 Service Level Information

The following PTFs containing APAR fixes against this release of OGL/370 1.1.0 have been integrated into this release.

NOTE: COR-CLOSED PTFs are available for 'Corrective Service' and will be placed on the next available ESO Tape (Expanded Service Option, formerly known as PUT Tapes). The following sub-categories for COR-CLOSED PTFs have been provided by the Software Manufacturing Center (SMC), Poughkeepsie:

- PUTyymm** COR-CLOSED PTFs that are available on an ESO Tape, where 'yynn' indicates the year and the month that the ESO tape became available.
- RSUyymm** RSU (Recommended Service Upgrade) is a preventive service philosophy for all S/390 products that are serviced by IBM for the OS/390 and MVS platforms. RSU reduces the volume of PTFs customers need to apply for preventive maintenance. RSU became available at OS/390 Release 2 GA (9/96), and is identified via an additional SOURCEID of RSUyymm, where 'yymm' indicates the year and the month the PTF was assigned this SOURCEID.
- SMCREC** COR-CLOSED PTFs that are not yet available on an ESO Tape, but have been researched and recommended for installation by the Software Manufacturing Center (SMC) in Poughkeepsie.
- SMCCOR** COR-CLOSED PTFs that are not yet available on an ESO Tape and have no special recommendation for installation.

HVRL100

UL88741	UN02611	UN03986
UN04218	UN06890	UN09790
UN11701	UN12762	UN14118
UN14977	UN17352	UN20385
UN20841	UN21096	UN21528
UN21791	UN22248	UN22877
UN23807	UN25244	UN25996
UN28798	UN35838	UN67101
UN73287	UN73300	UN74853
UN78383	UN79285	UN80966
UN81514	UN82472-PUT9510	UN83591
UN83804	UN86870-PUT9601	UN88977
UN93026-PUT9607	UQ03101	UQ04629
UQ06696	UQ07405	UQ09326-PUT9709
UQ13184-PUT9801	UQ14038-RSU9802	UQ15998-PUT9804
UQ21465-PUT9809	UQ25382-RSU9901	UQ28217-PUT9903
UQ29481-PUT9904	UQ30895-PUT9906	UQ30934-PUT9906
UQ33758-PUT9908	UQ46467-PUT0008	UQ49027-PUT0011
UQ49324-SMCCOR	UQ49555-SMCCOR	

JVRL107

UN20386	UN21529	UN21793
UN78384	UN93027	UQ09327
UQ21466-PUT9809	UQ25383-RSU9901	UQ33759-PUT9908
UQ46468-PUT0008	UQ49556-SMCCOR	

JVRL108

UN20387	UN21530	UN21807
UN78385	UN93028	UQ09328
UQ21468-PUT9809	UQ25384-RSU9901	UQ33760-PUT9908
UQ46469-PUT0008	UQ49557-SMCCOR	

JVRL109

UN20388	UN21531	UN21796
UN78386	UN93029	UQ09329
UQ21469-PUT9809	UQ25385-RSU9901	UQ33761-PUT9908
UQ46470-PUT0008	UQ49558-SMCCOR	

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating OGL/370. The following terminology is used:

- *Driving system*: the system used to install the program.
- *Target system*: the system on which the program is installed.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.
- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install OGL/370.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

<i>Figure 7 (Page 1 of 2). Driving System Software Requirements</i>	
Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5668-949	System Modification Program/Extended (SMP/E) Release 1.8.1 with PTF UR51070
5645-001	OS/390 SMP/E Version 1 Release 02 with PTF UR51071
5645-001	OS/390 SMP/E Version 1 Release 03 with PTF UR51067
5647-A01	OS/390 SMP/E Version 2 Release 04 with PTF UR51067

Figure 7 (Page 2 of 2). Driving System Software Requirements

Program Number	Product Name and Minimum VRM/Service Level
5647-A01	OS/390 SMP/E Version 2 Release 05 with PTF UR51068
5647-A01	OS/390 SMP/E Version 2 Release 06 with PTF UR51068
5647-A01	OS/390 SMP/E Version 2 Release 07 or higher

5.2 Target System Requirements

This section describes the environment of the target system required to install and use OGL/370.

OGL/370 installs in the MVS (Z038) SREL.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requirements

5.2.2.1 Mandatory Requisites

A mandatory requisite is defined as a product that is required without exception; this product either **will not install** or **will not function** unless this requisite is met. This includes products that are specified as REQs or PREs.

Figure 8. Mandatory Requisites

Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5655-068	MVS/ESA SP JES2 Version 5 Release 2.2 or higher
5655-069	MVS/ESA SP JES3 Version 5 Release 2.2 or higher
5645-001	OS/390 Version 1 Release 1 or higher
5647-A01	OS/390 Version 2 Release 4 or higher

5.2.2.2 Functional Requisites

A functional requisite is defined as a product that is **not** required for the successful installation of this product or for the basic function of the product, but **is** needed at run time for a specific function of this product to work. This includes products that are specified as IF REQs.

<i>Figure 9. Functional Requisites</i>		
Program Number	Product Name and Minimum VRM/Service Level	Function
5655-B17	PSF for OS/390 Version 3 Release 1 or higher	Print Overlays on MVS
5655-B17	PSF Compatibility Fonts Version 3 Release 1 or higher	Fonts used to run IVP for OGL

5.2.2.3 Toleration/Coexistence Requisites

A toleration/coexistence requisite is defined as a product which must be present on a sharing system. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

OGL/370 has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites

A negative requisite identifies products which must *not* be installed on the same system as this product.

OGL/370 has no negative requisites.

5.2.3 DASD Storage Requirements

OGL/370 libraries can reside on any IBM MVS supported DASD.

Figure 10 lists the total space required for each type of library.

<i>Figure 10. Total DASD Space Required by OGL/370</i>	
Library Type	Total Space Required
Target	29 tracks on 3390 DASD
Distribution	51 tracks on 3390 DASD

Notes:

1. IBM recommends use of system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a block size of 32760, which is the most efficient from a performance and DASD utilization perspective.
2. Abbreviations used for the data set type are:

- U** Unique data set, allocated by this product and used only by this product. In order to determine the correct storage needed for this data set, this table provides all required information; no other tables (or program directories) need to be referenced for the data set size.
- S** Shared data set, allocated by this product and used by this product and others. In order to determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.
- E** Existing shared data set, used by this product and others. This data set is NOT allocated by this product. In order to determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). This existing data set must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

For more information on the names and sizes of the required data sets, please refer to 6.1.5, "Allocate SMP/E Target and Distribution Libraries" on page 21.

3. All target and distribution libraries listed have the following attributes:

- The default name of the data set may be changed
- The default block size of the data set may be changed
- The data set may be merged with another data set that has equivalent characteristics
- The data set may be either a PDS or a PDSE

4. All target libraries listed have the following attributes:

- The data set may be SMS managed
- It is not required for the data set to be SMS managed
- The data set may be in the LPA
- It is not required for the data set to be in the LPA
- The data set may be in the LNKST
- It is not required for the data set to be APF authorized
- It is not required for the data set to reside on the IPL volume
- The values in the "Member Type" column are not necessarily the actual SMP/E element types identified in the SMPMCS.

5. The data set sizes specified contain 20% extra space. You may wish to revise these numbers based on your plans for adding additional function or service.

The following figures describe the target and distribution libraries required to install OGL/370. The storage requirements of OGL/370 must be added to the storage required by other programs having data in the same library.

Note: The data in these tables should be used when determining which libraries can be merged into common data sets. In addition, since some ALIAS names may not be unique, ensure that no naming conflicts will be introduced before merging libraries.

Figure 11. Storage Requirements for OGL/370 Target Libraries

Library DDNAME	Member Type	Target Volume	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
LINKLIB	LMOD	TVOL1	E	PDS	U	0	24	2
SAMPLIB	Samples	TVOL2	E	PDS	FB	80	5	2

Figure 12. Storage Requirements for OGL/370 Distribution Libraries

Library DDNAME	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
ADZIMOD0	U	PDS	U	0	42	30
ADZISRC0	U	PDS	FB	80	4	2
ASAMPLIB	E	PDS	FB	80	5	2

5.3 FMIDs Deleted

Installing OGL/370 may result in the deletion of other FMIDs. To see what FMIDs will be deleted, examine the ++VER statement in the product's SMPMCS.

If you do not wish to delete these FMIDs at this time, you must install OGL/370 into separate SMP/E target and distribution zones.

Note: These FMIDs will not automatically be deleted from the Global Zone. Consult the SMP/E manuals for instructions on how to do this.

5.4 Special Considerations

Messages produced by OGL/370 can be issued in **English**, **Japanese** or **German**. Any combination of these languages may be specified as the default and alternate languages (for example, Japanese as the default and German as the alternate), providing that the corresponding language has been installed.

When OGL/370 is shipped, the default and alternate languages are both set to **English**. See 6.2.2,

“Change Message Languages from Default (Optional)” on page 23 to change the default and alternate language.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of OGL/370.

Please note the following:

- If you want to install OGL/370 into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMP/CSI and the SMP/E control data sets.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing OGL/370

6.1.1 SMP/E Considerations for Installing OGL/370

This release of OGL/370 is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

6.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 13. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

Figure 13. SMP/E Options Subentry Values

SUB-ENTRY	Value	Comment
DSSPACE	(30,3,25)	Recommended value for OGL/370
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 Unload the Sample JCL from the Product Tape

The following sample installation jobs are provided on the distribution tape to help you install OGL/370:

Figure 14. Sample Installation Jobs

Job Name	Job Type	Description	RELFILE
DZIRECEV	RECEIVE	Sample RECEIVE job	IBM.HVRL100.F3
DZIALLOC	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HVRL100.F3
DZIDDDDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HVRL100.F3
DZIAPPCK	APPLY CHECK	Sample APPLY CHECK job	IBM.HVRL100.F3
DZIAPPLY	APPLY	Sample APPLY job	IBM.HVRL100.F3
DZIACCCK	ACCEPT CHECK	Sample ACCEPT CHECK job	IBM.HVRL100.F3
DZIACCEP	ACCEPT	Sample ACCEPT job	IBM.HVRL100.F3
DZIUMODR	POST1	Sample job to RECEIVE the usermod to change message language	IBM.HVRL100.F3
DZIUMODA	POST2	Sample job to APPLY the usermod to change message language	IBM.HVRL100.F3

You may copy the jobs from the tape by submitting the job below. Add a job card and change the lowercase parameters to uppercase values to meet your site's requirements before submitting.

```
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//IN DD DSN=IBM.HVRL100.F3,UNIT=tunit,VOL=SER=VRL100,
// LABEL=(4,SL),DISP=(OLD,KEEP)
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// DCB=*.STEP1.IN,SPACE=(TRK,(5,1,1))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=IN,OUTDD=OUT
SELECT MEMBER=DZIALLOC
SELECT MEMBER=DZIDDDDEF
SELECT MEMBER=DZIAPPCK
SELECT MEMBER=DZIAPPLY
SELECT MEMBER=DZIACCCK
SELECT MEMBER=DZIACCEP
SELECT MEMBER=DZIRECEV
/*
```

where **tunit** is the unit value matching the product tape or cartridge, **jcl-library-name** is the name of the data set where the sample jobs will reside, and **dasdvol** is the volume serial of the DASD device where the data set will reside.

You can also access the sample installation jobs by performing an SMP/E RECEIVE for FMID HVRL100, and then copying the jobs from data set **hlq.HVRL100.F3** to a work data set for editing and submission. Note: "hlq" is the high-level qualifier specified as the DSPREFIX value in the SMPTLIB DDDEF or the OPTIONS entry of the global zone.

6.1.4 Perform SMP/E RECEIVE

Edit and submit sample job DZIRECEV to perform the SMP/E RECEIVE for OGL/370. Consult the instructions in the sample job for more information.

NOTE: If you obtained OGL/370 as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the OGL/370 FMIDs as well as any service, HOLDDATA, or preventive service planning (PSP) information included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

Expected Return Codes and Messages: A return code of '0' should be received from this job.

6.1.5 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job DZIALLOC to allocate the SMP/E target and distribution libraries for OGL/370. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: A return code of '0' should be received from this job.

6.1.6 Create DDDEF Entries

Edit and submit sample job DZIDDDDEF to create DDDEF entries for the SMP/E target and distribution libraries for OGL/370. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: A return code of '0' should be received from this job.

6.1.7 Perform SMP/E APPLY CHECK

Edit and submit sample job DZIAPPCK to perform an SMP/E APPLY CHECK for OGL/370. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Note: The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from APPLY CHECK: A return code of '0' should be received from this job.

6.1.8 Perform SMP/E APPLY

Edit and submit sample job DZIAPPLY to perform an SMP/E APPLY for OGL/370. Consult the instructions in the sample job for more information.

Note: The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from APPLY: A return code of '0' should be received from this job.

6.1.9 Perform SMP/E ACCEPT CHECK

Edit and submit sample job DZIACCCK to perform an SMP/E ACCEPT CHECK for OGL/370. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Note: The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from ACCEPT CHECK: A return code of '0' should be received from this job.

6.1.10 Perform SMP/E ACCEPT

Edit and submit sample job DZIACCEP to perform an SMP/E ACCEPT for OGL/370. Consult the instructions in the sample job for more information.

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Note: The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from ACCEPT: A return code of '0' should be received from this job.

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will linkedit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder may issue messages documenting unresolved external references, resulting in a return code of 4 from the

ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

6.2 Activating OGL/370

This section contains information on activating OGL/370, and instructions on how to change message languages from the default.

6.2.1 Make OGL/370 Load Modules Accessible

The default installation places the OGL/370 load modules in SYS1.LINKLIB. If OGL/370 is not installed in SYS1.LINKLIB, or another library in the LNKLIST concatenation, add a STEPLIB DD statement to your OGL/370 job that points to the data set where the OGL/370 load modules reside.

6.2.2 Change Message Languages from Default (Optional)

After OGL/370 is installed, you may change the default message language or the alternate message language.

Values representing the default and alternate message languages are contained in the load module DZILPARM. The source for this module, and the macro DZIMPARM which it invokes, are found in DZI.ADZISRC0. Both module and macro are shipped with the default and alternate message languages set to **English**.

To change the default language complete the following steps:

1. Ensure that the appropriate language FMID is installed:
 - JVRL107 for English
 - JVRL108 for German
 - JVRL109 for Japanese
2. Modify and RECEIVE the sample USERMOD. The receive USERMOD job is found in SYS1.SAMPLIB member DZIUMODR. The sample job is shown in Figure 15 on page 24.

Make the following modifications:

- a. Change the USERMOD name OGL0001 on the ++USERMOD statement to suit your own site standards.
- b. Change the values for DEFLANG= and ALTLANG= on the DZIMPARM statement to the values for the languages that you want

Note: DEFLANG defines the default language and ALTLANG defines the alternate language. Valid values are ENG for English, GER for German, or JAP for Japanese.

- c. The inline USERMOD data must be realigned. Shift the ++USERMOD, ++VER and the ++SRC statements so they will start in column 1.

```

//DZIUMODR JOB 'account #','name',MSGLEVEL=(1,1)
//*****
/* JOB TO RECEIVE USERMOD. *
/* MAKE THE FOLLOWING MODIFICATIONS: *
/* 1) CHANGE THE JOB CARD TO MEET YOUR LOCAL REQUIREMENTS *
/* 2) CHANGE #globalcsi TO THE DATA SET NAME OF YOUR *
/* GLOBAL CSI DATA SET *
/* 3) CHANGE USERMOD NAME "OGL0001" TO SUIT YOUR SITE *
/* STANDARDS *
/* 4) REALIGN THE ++USERMOD, ++VER AND ++SRC STATEMENTS *
/* TO START IN COLUMN 1 *
/* 5) CHANGE 'ENU' ON THE DZIMPARM STATEMENT TO THE *
/* VALUE OF THE LANGUAGE YOU WANT, ENU FOR ENGLISH, *
/* GER FOR GERMAN OR JAP FOR JAPANESE *
//*****
//USERMODR EXEC PGM=GIMSMP,REGION=4096K
//SMPCSI DD DSN=#globalcsi,
// DISP=SHR
//SMPPTFIN DD *
++USERMOD(OGL0001).
++VER(Z038) FMID(HVRL100).
++SRC(DZILPARM).
DZILPARM CSECT
DZIMPARM DEFLANG=ENG,ALTLANG=ENG
END
//SMP.SMPCNTL DD *
SET BDY(GLOBAL).
REJECT SELECT(OGL0001) BYPASS(APPLYCHECK).
RESETRC.
RECEIVE SELECT(OGL0001) SYSMODS LIST.
/*

```

Figure 15. Sample Job DZIUMODR to RECEIVE USERMOD

Expected Return Codes and Messages: The REJECT and RESETRC statements are included in order to allow reprocessing of the USERMOD at any time. The first time that the USERMOD is RECEIVED, an error message and a return code of "12" (hexadecimal '0C') is expected in response to the REJECT statement. Any subsequent runs of the job should give a return code of "0" from the REJECT. A return code of "0" should always be received from the RESETRC and RECEIVE statements.

3. Apply the USERMOD. A sample job is found in SYS1.SAMPLIB member DZIUMODA. The sample job is shown in Figure 16 on page 25.

Note: The DZIMPARM macro invoked by the DZILPARM source was stored in the SMPMTS data set after the APPLY of OGL/370 and in the ADZISRC0 distribution library after the ACCEPT. When the USERMOD is APPLYd, the assembly process will require that a library in the SYSLIB concatenation

contain the DZIMPARM macro. This is why the sample DZIUMODA job contains a DD statement for SYSLIB pointing to SYS1.ADZISRC0, (change SYS1 to the high level qualifier defined for your system).

```
//DZIUMODA JOB 'account #','name',MSGLEVEL=(1,1)
//*****
//* JOB TO APPLY USERMOD. *
//* MAKE THE FOLLOWING MODIFICATIONS: *
//* 1) CHANGE THE JOB CARD TO MEET YOUR LOCAL REQUIREMENTS *
//* 2) CHANGE #GLOBALCSI TO THE DATA SET NAME OF YOUR *
//*    GLOBAL CSI DATA SET *
//* 3) CHANGE #TZONE TO THE NAME OF YOUR TARGET ZONE *
//* 4) CHANGE USERMOD NAME "OGL0001" TO THE USERMOD NAME IN *
//*    THE DZIUMODR JOB *
//*****
//USERMODA EXEC PGM=GIMSMP,REGION=4096K
//SMPCSI DD DSN=#GLOBALCSI,
//        DISP=SHR
//SYSLIB DD DSN=SYS1.ADZISRC0,DISP=SHR
//SMPCNTL DD *
//        SET BDY(#TZONE).
//        APPLY SELECT(OGL0001) REDO.
/*
```

Figure 16. Sample Job to APPLY USERMOD

Expected Return Codes and Messages: A return code of “0” should be received from this step.

As is generally the case with USERMODs, an ACCEPT should *not* be performed.

4. It is now necessary to make the DZILPARM load module accessible, as described in 6.2.1, “Make OGL/370 Load Modules Accessible” on page 23.

7.0 OGL/370 Installation Verification Procedure

Installation Verification Procedure (IVP) is used to ensure that OGL/370 is correctly installed. The IVP process is described in 7.1, "IVP Step."

Four sample jobs are also provided that demonstrate some of the advanced capabilities of OGL/370. These jobs are also located in SYS1.SAMPLIB and have the member names: DZISAMP1, DZISAMP2, DZISAMP3, and DZISAMP4. 7.2, "Pre-Execution Procedures for Sample Members" on page 28 describes how to prepare to run the sample jobs.

The IVP and sample members are described below:

- DZIIVP - The purpose of this member is to show that OGL/370 is installed correctly. No overlay is created. This job is run to ensure that the source input statements are read correctly and ensure that the source output listing is printed correctly.
- DZISAMP1 - This job prints a sample overlay named RCPT (a sample college registration receipt).
- DZISAMP2 - This job prints a sample overlay named PREREG (a sample college pre-registration form).
- DZISAMP3 - This job prints a sample overlay named GRAFIK. This form can aid you in the development of subsequent overlays using OGL/370. This job requires a paper size of 14 7/8 X 11 inches.

To compile the GRAFIK overlay to print on a 3835 or a 3900 printer, you need to change the OVERLAY OFFSET to:

```
OVERLAY GRAFIK ... OFFSET .5 IN 0 IN;
```

You also need to add the following ORIENT command after the changed OVERLAY command:

```
ORIENT 270;
```

- DZISAMP4 - This job prints a sample of an overlay named RESULT (a sample result notice).

Note: See *OGL/370: User's Guide and Reference* for source listings and the results of the four samples.

7.1 IVP Step

After modifying the DZIIVP JOB statements to suit your site standards, submit DZIIVP to your MVS system for execution. You should check that the output produced agrees with that shown in 7.4, "IVP Job DZIIVP" on page 32. No overlay will be printed.

Expected Return Codes and Messages: A return code of '0' should be received from this job.

7.2 Pre-Execution Procedures for Sample Members

The four samples, DZISAMP1, DZISAMP2, DZISAMP3, and DZISAMP4, vary in the level of complexity and the amount of set-up work required. You should consider this when setting up each sample. Therefore, before running any of the four sample jobs on MVS, you must ensure that the following is done:

- A currently supported release of PSF must be installed and running.
- The page segment library SYS1.PSEGLIB must contain the page segments S1PALM2 and S1SIGNAT. These members are installed as the result of normal PSF installation.
- The forms definition library SYS1.FDEFLIB must contain the form definition F1OGL. This is the default OGL/370 sample data set form definition. This member is installed as the result of normal PSF installation.
- The page definition library SYS1.PDEFLIB must contain either the page definition P1L100A0 or P1L120C0. These page definitions are set up for a page size of 14 7/8 x 11 inches. These members are installed as the result of normal PSF installation.
- The appropriate AFP font library must contain the font objects used by the samples: SYS1.FONTLIB (for 240-PEL unbounded box printers) SYS1.FONTLIBB (for 240-PEL bounded box printers), SYS1.FONT300 for 300 pel printers or SYS1.FONTOLN for AFP outline printers.
- Create the symbolic data set for DZISAMP2.

The confidentiality statement on sample overlay PREREG uses 2 symbolic names. The data set containing the replacement text for these names must be created using the parameters in Figure 17.

Figure 17. Symbolic Data Set Parameters

RECFM	LRECL	BLKSIZE	Primary Allocation	Allocation Units
FB	80	6160	1	TRACK

The following two records must be entered into the symbolic data set (the name must begin in column 1 of a record):

```
CONF1    C'Information on this form is strictly confidential'
CONF2    C'and will not be released without your consent.'
```

- Modify the JCL in the DZISAMP1, DZISAMP2, DZISAMP3, and DZISAMP4 members:
 - The JOB statement in each member must be modified to reflect your installation accounting standards.
 - The FONTDD DD statement in each member must be modified to point to the same font library data set name used by PSF for the appropriate printer.
- Note:** The sample members are set up for 240-PEL bounded box fonts.
- The SEGDD DD statement in members DZISAMP1, DZISAMP2, and DZISAMP4 must be modified to the correct segment library data set name. (Do this only if the data set name is not SYS1.PSEGLIB at your installation.)

- The OVLRLIB DD statement should be left as DUMMY since you will not be storing the overlay you create.
- The SYMBOLIC DD statement in member DZISAMP2 must be modified to name the symbolic data set you just created.
- Ensure that the coded font resource objects named below exist in the applicable font library:
 - Member DZISAMP1 requires the following coded font resource objects:
 - SYS1.FONTLIB (3800 printer) members:
 - X1BRTR
 - X1BITR
 - X1GT10
 - X2DOTR
 - X1GT15
 - X4GT10 with UP print direction and 0° character rotation
 - X4DOTR with UP print direction and 0° character rotation
 - XEBITR with DOWN print direction and 270° character rotation
 - XEGT10 with DOWN print direction and 270° character rotation
 - XEDOTR with DOWN print direction and 270° character rotation
 - Note:** If any of the required fonts are not available to OGL/370, you will receive message DZI0537I. When the fonts are available, you will receive a zero return code, and the overlay will print on the 3800 successfully. For information on producing the required coded font resource objects in the unique print directions and character rotations for the 3800, see 7.2.1, “Producing Required Coded Fonts for the 3800 with the Print Management Facility” on page 31.
 - SYS1.FONTLIBB or SYS1.FONT300 members:
 - X0BRTR
 - X0BITR
 - X0GT10
 - X0DOTR
 - X0GT15
 - SYS1.FONTOLN members:
 - XZBRTR
 - XZBITR
 - XZGT10
 - XZDOTR
 - XZGT15
- Member DZISAMP2 requires the following coded font resource objects:
 - SYS1.FONTLIB (3800 printer) members:
 - X1GT15
 - X1BRTR
 - X1GT12

- X1BITR
- X2GT10
- X4GT10 with UP print direction and 0° character rotation
- X4DOTR with UP print direction and 0° character rotation
- XEBITR with DOWN print direction and 270° character rotation
- XEGT10 with DOWN print direction and 270° character rotation
- XEDOTR with DOWN print direction and 270° character rotation

Note: If any of the required fonts are not available to OGL/370, you will receive message DZI0537I. If the fonts are available, you will receive a zero return code, and the overlay will print on the 3800 successfully. For information on producing the required coded font resource objects in the unique print directions and character rotations for the 3800, see 7.2.1, “Producing Required Coded Fonts for the 3800 with the Print Management Facility” on page 31.

- SYS1.FONTLIBB or SYS1.FONT300 members:

- X0GT15
- X0BRTR
- X0GT12
- X0BITR
- X0GT10

- SYS1.FONTOLN members:

- XZGT15
- XZBRTR
- XZGT12
- XZBITR
- XZGT10

– Member DZISAMP3 requires the following coded font resource objects:

- SYS1.FONTLIB (3800 printer) members:

- X1BRTR
- X1GT15
- X1GT10

- SYS1.FONTLIBB or SYS1.FONT300 members:

- X0BRTR
- X0GT15
- X0GT10

- SYS1.FONTOLN members:

- XZBRTR
- XZGT15
- XZGT10

– Member DZISAMP4 requires the following coded font resource objects:

- SYS1.FONTLIB (3800 printer) members:
 - X1BRTR
 - X1BITR
 - X1DOTR
 - X1GT15
 - X1GT10
- SYS1.FONTLIBB or SYS1.FONT300 members:
 - X0BRTR
 - X0BITR
 - X0DOTR
 - X0GT15
 - X0GT10
- SYS1.FONTOLN members:
 - XZBRTR
 - XZBITR
 - XZDOTR
 - XZGT15
 - XZGT10
- For all the coded fonts used, the code page member name is T1D0BASE.
- For each of the coded fonts which has a name ending in TR (for instance X1BRTR), if the coded font name is XnyyTR, then the required character set will be called CnS0yyTR (for instance C1S0BRTR).
- All the other required coded fonts have a name of the form XnGTzz (for instance X0GT10) and the required character set will be called CnD0GTzz (for instance C0D0GT10).

7.2.1 Producing Required Coded Fonts for the 3800 with the Print Management Facility

You can produce the required coded fonts for the 3800 with the Print Management Facility (PMF). For a more complete explanation of the procedure, see the *Print Management Facility User's Guide and Reference*, SH35-0059. The steps are:

- For each coded font ID "GT10", "BITR", and "DOTR", import the Font Definition, the Character Set Definition, and the Character Group Definition from SYS1.IMAGELIB into your internal Print Management Facility library.
- For each coded font ID "GT10" and "DOTR", copy the "Across 0" direction objects for the Character Set Definition and the Font Definition. Edit these copies changing "Across 0" to "UP 0". Build both copied objects.
- For each coded font ID "BITR", "GT10", and "DOTR", copy the "Across 0" direction object for the Character Set Definition and the Font Definition. Edit these copies changing "Across 0" to "DOWN 270". Build all three copied objects.

- When you have completed the above steps, the members specified with unique print directions and characters rotations should exist in the SYS1.FONTLIB library.

7.3 Submitting the Sample Jobs

If you have followed the pre-execution procedures for any of the four additional samples, you can now submit them for processing.

Note: See *OGI/370: User's Guide and Reference* for source listings and the results of the four samples.

7.4 IVP Job DZIIVP

This section provides a listing of the Installation Verification Procedure job DZIIVP.

```
//DZIIVP JOB (account info),'OGL IVP'
//*-----
/* OVERLAY GENERATION LANGUAGE - OGL/370 VERSION 1.1.0
/* INSTALL VERIFICATION PROCEDURE
/*
/* OVERLAY IS NOT STORED SINCE NO CONTROL COMMAND IS SPECIFIED
/*-----
//OVERFORM OUTPUT FORMDEF=OGL
//OVERLAY EXEC PGM=DZIOVRLY,REGION=7M,PARM='SEQ,DEF'
//SYSPRINT DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//SAMPLE DD SYSOUT=*,OUTPUT=*.OVERFORM
//OVLRLIB DD DUMMY
//SYSIN DD *
- '*****'
- '*'
- '*' Overlay Generation Language / 370 (5688-191) '*'
- '*' (C) COPYRIGHT IBM CORP 1990 '*'
- '*' LICENSED MATERIAL - PROGRAM PROPERTY OF IBM '*'
- '*' REFER TO COPYRIGHT INSTRUCTIONS '*'
- '*' FORM NO. G120-2083 '*'
- '*'
- '*' Example Name: Install Verification Procedure '*'
- '*'
- '*****'
OVERLAY IVP SIZE 8 IN 6 IN OFFSET 1 IN 1 IN;
DRAWBOX 1.5 IN .2 IN;
/*
```

Figure 18. IVP job DZIIVP

Which results in a printed page that contains one box that is 1.5 inch wide by .2 inch deep.



Figure 19. Result of DZIIVP. This result is approximate; it will not match your output exactly.

Reader's Comments

Program Directory for Overlay Generation Language/370 Service Level 0050

You may use this form to comment about this document, its organization, or subject matter with the understanding that IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

RATING SCALE

very
satisfied 1 2 3 4 5 very
dissatisfied not
applicable
N

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Ease of getting the system into production after installation	1	2	3	4	5	N

How did you order this product?

- ___ CBPDO
- ___ CustomPac
- ___ ServerPac
- ___ Independent
- ___ Other

Is this the first time your organization has installed this product?

- ___ Yes
- ___ No

Were the people who did the installation experienced with the installation of MVS products?

- ___ Yes

___ No

If yes, how many years? ___

If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

Please provide the following contact information:

Name and Job Title

Organization

Address

Telephone

Thank you for your participation.

Please send the completed form to (or give to your IBM representative who will forward it to the Overlay Generation Language/370 Development group):

IBM Printing Systems Division
Attention: Dept. RJXA/003G
Box 1900
Boulder, CO. 80301-9191
USA

FAX Number: (800) 524-1519

E-Mail: printpub@us.ibm.com

•



Program Number: 5688-191 5861
5862
5228
5229
5242
5243

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