IBM

Program Directory for

IBM File Manager for z/OS

15.1.1

Program Number 5755-A03

for Use with
z/OS

Document Date: March 2023

GI13-5632-01

> **Note**
>
> Before using this information and the product it supports, be sure to read the general information under 7.0, "Notices" on page 33.

Contents

Figures

1.0 Introduction

This program directory is intended for system programmers who are responsible for program installation and maintenance. It contains information about the material and procedures associated with the installation of IBM File Manager for z/OS. This publication refers to IBM File Manager for z/OS as File Manager.

The Program Directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic program materials and documentation for File Manager.

- 3.0, "Program Support" on page 8 describes the IBM support available for File Manager.

- 4.0, "Program and Service Level Information" on page 10 lists the APARs (program level) and PTFs (service level) that have been incorporated into File Manager.

- 5.0, "Installation Requirements and Considerations" on page 13 identifies the resources and considerations that are required for installing and using File Manager.

- 6.0, "Installation Instructions" on page 24 provides detailed installation instructions for File Manager. It also describes the procedures for activating the functions of File Manager, or refers to appropriate publications.

Before installing File Manager, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that are supplied with this program in softcopy format and this program directory; after which, keep the documents for your reference. Section 3.2, "Preventive Service Planning" on page 8 tells you how to find any updates to the information and procedures in this program directory.

File Manager is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The program directory that is provided in softcopy format on the CBPDO is identical to the hardcopy format if one was included with your order. All service and HOLDDATA for File Manager are included on the CBPDO.

Do not use this program directory if you install File Manager with a ServerPac. When you use one of those offerings, use the jobs and documentation supplied with the offering. The offering will point you to specific sections of this program directory as needed.

1.1 File Manager Description

File Manager (5755-A03) provides the following:

- Improved productivity of ISPF users

  - The indexed search provides a way to perform a fast search across one or more partitioned data sets. The results are displayed in the index search report containing the list of matching words, the number of lines where the word occurs, the number of data sets containing occurrences of the word, and the number of members.

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- CICS install: Improved the usability and task orientation of the requirements for accessing CICS resources from File Manager. Depending on how you invoke File Manager, the customization steps required might differ. The File Manager installation and customization documentation has been reworked and reorganized and includes a checklist to facilitate users in the process.

- A new Internal COBOL compiler at the V6.4 level

- A new Internal PL/I compiler at the V6.1 level

- DB2 Version 13 support

- Two new options added to the Db2 CSV Export Options panels and the DBX (Export) batch command: LEADING=YES and TRAILING=YES.

- FM/CICS changed the default from START=BATCH to START=TASK

- Support of the latest z/OS subsystem environments

- For more information refer to the File Manager documentation website:
   https://help.blueproddoc.com/filemanager/15.1.0/en/whatsnew/whatsnew.html

1.2 File Manager FMIDs

File Manager consists of the following FMIDs:

    HADLF10 File Manager
    JADLF12 File Manager/Db2
    JADLF14 File Manager/IMS
    JADLF16 File Manager/CICS

    Japanese components:
    JADLF11 File Manager
    JADLF13 File Manager/Db2
    JADLF15 File Manager/IMS
    JADLF17 File Manager/CICS

2.0 Program Materials

An IBM program is identified by a program number. The program number for File Manager is 5755-A03.

Basic Machine-Readable Materials are materials that are supplied under the base license and are required for the use of the product.

The program announcement material describes the features supported by File Manager. 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 physical media or downloadable files. This program is in SMP/E RELFILE format and is installed by using SMP/E. See 6.0, "Installation Instructions" on page 24 for more information about how to install the program.

You can find information about the physical media for the basic machine-readable materials for File Manager in the *CBPDO Memo To Users Extension*.

Figure 1 describes the program file content for File Manager English components.
Figure 2 on page 5 describes the program file content for File Manager Japanese components.

You can refer to the *CBPDO Memo To Users Extension* to see where the files reside on the image.

Notes:

1. The data set attributes in this table must be used in the JCL of jobs that read the data sets. However, because the data sets are in IEBCOPY unloaded format, their actual attributes might be different.

2. If any RELFILEs are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

Figure 1 (Page 1 of 3). Program File Content for File Manager				
Name	**O R G**	**R E C F M**	**L R E C L**	**BLK SIZE**
SMPMCS	SEQ	FB	80	3120
IBM.HADLF10.F1	PDS	FB	80	8800
IBM.HADLF10.F2	PDS	FB	80	8800
IBM.HADLF10.F3	PDS	U	0	6144
IBM.HADLF10.F4	PDS	FB	80	8800
IBM.HADLF10.F5	PDS	FB	80	8800

Name	ORG	RECFM	LRECL	BLK SIZE
IBM.HADLF10.F6	PDS	FB	80	8800
IBM.HADLF10.F7	PDS	FB	80	8800
IBM.HADLF10.F8	PDS	FB	80	8800
IBM.HADLF10.F9	PDS	FB	80	8800
IBM.HADLF10.F10	PDS	FB	80	8800
IBM.HADLF10.F11	PDSE	U	0	6144
IBM.HADLF10.F12	PDSE	U	0	6144
IBM.JADLF12.F1	PDS	FB	80	8800
IBM.JADLF12.F2	PDS	FB	80	8800
IBM.JADLF12.F3	PDS	U	0	6144
IBM.JADLF12.F4	PDS	FB	80	8800
IBM.JADLF12.F5	PDS	FB	80	8800
IBM.JADLF12.F6	PDS	FB	80	8800
IBM.JADLF12.F7	PDS	FB	80	8800
IBM.JADLF12.F8	PDS	FB	80	8800
IBM.JADLF12.F9	PDS	FB	80	8800
IBM.JADLF12.F10	PDS	FB	80	8800
IBM.JADLF12.F11	PDS	FB	80	8800
IBM.JADLF12.F12	PDSE	U	0	6144
IBM.JADLF14.F1	PDS	FB	80	8800
IBM.JADLF14.F2	PDS	FB	80	8800
IBM.JADLF14.F3	PDS	U	0	6144
IBM.JADLF14.F4	PDS	FB	80	8800
IBM.JADLF14.F5	PDS	FB	80	8800
IBM.JADLF14.F6	PDS	FB	80	8800
IBM.JADLF14.F7	PDS	FB	80	8800
IBM.JADLF14.F8	PDS	FB	80	8800
IBM.JADLF14.F9	PDSE	U	0	6144
IBM.JADLF16.F1	PDS	FB	80	8800

Figure 1 (Page 2 of 3). Program File Content for File Manager

Figure 1 (Page 3 of 3). Program File Content for File Manager				
Name	ORG	RECFM	LRECL	BLK SIZE
IBM.JADLF16.F2	PDS	FB	80	8800
IBM.JADLF16.F3	PDS	U	0	6144
IBM.JADLF16.F4	PDS	FB	80	8800
IBM.JADLF16.F5	PDS	FB	80	8800
IBM.JADLF16.F6	PDS	FB	80	8800
IBM.JADLF16.F7	PDS	FB	80	8800
IBM.JADLF16.F8	PDSE	U	0	6144

Figure 2 (Page 1 of 2). Program File Content for File Manager - Japanese				
Name	ORG	RECFM	LRECL	BLK SIZE
SMPMCS	SEQ	FB	80	3120
IBM.JADLF11.F1	PDS	FB	80	8800
IBM.JADLF11.F2	PDS	U	0	6144
IBM.JADLF11.F3	PDS	FB	80	8800
IBM.JADLF11.F4	PDS	FB	80	8800
IBM.JADLF11.F5	PDS	FB	80	8800
IBM.JADLF13.F1	PDS	FB	80	8800
IBM.JADLF13.F2	PDSE	U	0	6144
IBM.JADLF13.F3	PDS	U	0	6144
IBM.JADLF13.F4	PDS	FB	80	8800
IBM.JADLF13.F5	PDS	FB	80	8800
IBM.JADLF13.F6	PDS	FB	80	8800
IBM.JADLF15.F1	PDS	FB	80	8800
IBM.JADLF15.F2	PDS	U	0	6144
IBM.JADLF15.F3	PDS	FB	80	8800
IBM.JADLF15.F4	PDS	FB	80	8800
IBM.JADLF15.F5	PDS	FB	80	8800

Figure 2 (Page 2 of 2). Program File Content for File Manager - Japanese				
Name	**O R G**	**R E C F M**	**L R E C L**	**BLK SIZE**
IBM.JADLF17.F1	PDS	FB	80	8800
IBM.JADLF17.F2	PDSE	U	0	6144
IBM.JADLF17.F3	PDS	U	0	6144
IBM.JADLF17.F4	PDS	FB	80	8800

2.2 Program Publications

The following sections identify the basic publications for File Manager.

Figure 3 identifies the basic unlicensed publications for File Manager.

Figure 3. Basic Material: Unlicensed Publications		
Publication Title	**Form Number**	**Media Format**
IBM File Manager for z/OS License Information		See note[1]
IBM File Manager for z/OS Customization Guide		See note[2]
IBM File Manager for z/OS User's Guide and Reference		See note[2]
IBM File Manager for z/OS User's Guide and Reference for Db2 Data		See note[2]
IBM File Manager for z/OS User's Guide and Reference for IMS Data		See note[2]
IBM File Manager for z/OS User's Guide and Reference for CICS		See note[2]
Note:		
1. This publications can be obtained from the license information documentation website, https://www.ibm.com/software/sla/sladb.nsf.		
2. This publications can be obtained from the File Manager product documentation website, https://help.blueproddoc.com/filemanager/welcome/index.html.		
3. Requisite information can be obtained by creating a report for File Manager on https://www.ibm.com/software/reports/compatibility/clarity.		

2.2.1 Optional Program Publications

No optional publications are provided for File Manager.

2.3 Program Source Materials

No program source materials or viewable program listings are provided for File Manager.

2.4 Publications Useful During Installation

You might want to use the publications listed in Figure 4 during the installation of File Manager.

Figure 4. Publications Useful During Installation	
Publication Title	**Form Number**
IBM SMP/E for z/OS User's Guide	SA23-2277
IBM SMP/E for z/OS Commands	SA23-2275
IBM SMP/E for z/OS Reference	SA23-2276
IBM SMP/E for z/OS Messages, Codes, and Diagnosis	GA32-0883

Note: These publications can be found in IBM Documentation. Use a web browser with internet access to refer to: https://www.ibm.com/docs/en/zos/2.5.0?topic=zos-smpe

3.0 Program Support

This section describes the IBM support available for File Manager.

3.1 Program Services

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

3.2 Preventive Service Planning

Before you install File Manager, make sure that you have reviewed the current Preventive Service Planning (PSP) information. Review the PSP Bucket for General Information, Installation Documentation, and the Cross Product Dependencies sections. For the Recommended Service section, instead of reviewing the PSP Bucket, it is recommended you use the IBM.PRODUCTINSTALL-REQUIREDSERVICE fix category in SMP/E to ensure you have all the recommended service installed. Use the **FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)** operand on the **APPLY CHECK** command. See 6.1.8, "Perform SMP/E APPLY" on page 28 for a sample APPLY command.

If you obtained File Manager as part of a CBPDO, HOLDDATA is included.

If the CBPDO for File Manager is older than two weeks by the time you install the product materials, you can obtain the latest PSP Bucket information by going to the following website:

https://esupport.ibm.com/customercare/psearch/search?domain=psp

You can also use S/390 SoftwareXcel or contact the IBM Support Center to obtain the latest PSP Bucket information.

For program support, access the Software Support Website at https://www.ibm.com/mysupport/.

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 File Manager are included in Figure 5.

UPGRADE	SUBSET	Description
Figure 5 (Page 1 of 2). PSP Upgrade and Subset ID		
FILEMANAGER	HADLF10	File Manager 15.1.1 BASE
FILEMANAGER	JADLF11	File Manager 15.1.1 JPN
FILEMANAGER	JADLF12	File Manager 15.1.1 DB2
FILEMANAGER	JADLF13	File Manager 15.1.1 DB2 JPN

Figure 5 (Page 2 of 2). PSP Upgrade and Subset ID		
UPGRADE	**SUBSET**	**Description**
FILEMANAGER	JADLF14	File Manager 15.1.1 IMS
FILEMANAGER	JADLF15	File Manager 15.1.1 IMS JPN
FILEMANAGER	JADLF16	File Manager 15.1.1 CICS
FILEMANAGER	JADLF17	File Manager 15.1.1 CICS JPN

3.3 Statement of Support Procedures

Report any problems which you feel might be an error in the product materials to your IBM Support Center. You may be asked to gather and submit additional diagnostics to assist the IBM Support Center in their analysis.

Figure 6 identifies the component IDs (COMPID) for File Manager.

Figure 6. Component IDs			
FMID	**COMPID**	**Component Name**	**RETAIN Release**
HADLF10	5755A0300	File Manager Base	F10
JADLF11	5755A0300	File Manager Base - JPN	F11
JADLF12	5755A0300	File Manager Db2	F12
JADLF13	5755A0300	File Manager Db2 - JPN	F13
JADLF14	5755A0300	File Manager IMS	F14
JADLF15	5755A0300	File Manager IMS - JPN	F15
JADLF16	5755A0300	File Manager CICS	F16
JADLF17	5755A0300	File Manager CICS - JPN	F17

4.0 Program and Service Level Information

This section identifies the program and relevant service levels of File Manager. 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 into the program.

4.1 Program Level Information

The following APAR fixes against the previous release of File Manager have been incorporated into this release.

- All FMIDs

PH00352		PH08659		PH14750	
	PH04068		PH11639		
PH00894		PH08660		PH15054	
	PH04350		PH11854		
PH01136		PH08661		PH16000	
	PH04889		PH12208		
PH01305		PH08775		PH16179	
	PH04903		PH12618		
PH01306		PH09010		PH16188	
	PH04934		PH12853		
PH01678		PH09660		PH16358	
	PH04939		PH12855		
PH01882		PH09716		PH16620	
	PH05137		PH12856		
PH02069		PH09851		PH16670	
	PH05390		PH12881		
PH02219		PH10084		PH16702	
	PH06753		PH13394		
PH03103		PH10085		PH16703	
	PH07777		PH14008		
PH03105		PH10311		PH16765	
	PH08587		PH14070		
PH03766		PH10322		PH16846	
	PH08641		PH14204		
PH04063		PH10532		PH17027	
	PH08656		PH14384		
PH04065		PH10581		PH17035	
	PH08657		PH14684		
PH04066		PH11137		PH17110	
	PH08658		PH14704		
PH04067		PH11570		PH17111	

PH17112	PH20000	PH24303	PH44387	PI93217
PH17282	PH20110	PH24525	PH44461	PI93729
PH17289	PH20203	PH24631	PH44735	PI94064
PH17923	PH20232	PH24924	PH44739	PI94927
PH17975	PH20322	PH25106	PH44806	PI95564
PH18177	PH20323	PH25107	PH44988	PI95707
PH18200	PH20381	PH25110	PH45142	PI96763
PH18413	PH21174	PH25290	PH45163	PI97117
PH18510	PH21387	PH41734	PH45387	PI97118
PH18637	PH21718	PH41741	PH45676	PI97379
PH18726	PH21912	PH41771	PH45708	PI98330
PH18803	PH22283	PH41869	PH45990	PI99053
PH18865	PH22410	PH42461	PH46076	PI99252
PH19642	PH22424	PH42671	PH46614	PI99483
PH19643	PH22539	PH42912	PH46784	PI99530
PH19644	PH23558	PH42987	PH46812	PH42670
PH19645	PH23620	PH43040	PI89463	PH45885 PH47451
PH19646	PH23708	PH43298	PI89464	PH47481 PH47835
PH19647	PH23852	PH43304	PI90402	PH48298 PH49301
PH19823	PH24283	PH44334	PI91686	

4.2 Service Level Information

No PTFs against this release of File Manager have been incorporated into the product package.

Frequently check the File Manager PSP Bucket for HIPER and SPECIAL attention PTFs against all FMIDs that you must install. You can also receive the latest HOLDDATA, then add the **FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)** operand on your **APPLY CHECK** command. This will allow you to review the recommended and critical service that should be installed with your FMIDs.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating File Manager. The following terminology is used:

- *Driving system*: the system on which SMP/E is executed to install the program.

  The program might have specific operating system or product level requirements for using processes, such as binder or assembly utilities during the installation.

- *Target system*: the system on which the program is configured and run.

  The program might have specific product level requirements, such as needing access to the library of another product for link-edits. These requirements, either mandatory or optional, might directly affect the element during the installation or in its basic or enhanced operation.

In many cases, you can use a system as both a driving system and a target system. However, you can make a separate IPL-able clone of the running system to use as a target system. The clone must 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.

Use separate driving and target systems in the following situations:

- When you install a new level of a product that is already installed, the new level of the product will replace the old one. By installing the new level onto a separate target system, you can test the new level and keep the old one in production at the same time.

- When you install a product that shares libraries or load modules with other products, the installation can disrupt the other products. By installing the product onto a separate target system, you can 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 File Manager.

5.1.1 Machine Requirements

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

5.1.2 Programming Requirements

Figure 7. Driving System Software Requirements				
Program Number	**Product Name**	**Minimum VRM**	**Minimum Service Level will satisfy these APARs**	**Included in the shipped product?**
5650-ZOS	z/OS	02.04.00 or higher	N/A	No
Note: The minimum z/OS level is either what is listed in the table, or the currently minimum supported OS level, whichever is the most recent.				

Note: SMP/E is a requirement for Installation and is an element of z/OS.

Note: Installation might require migration to new z/OS releases to be service supported. See https://www.ibm.com/support/lifecycle/

5.2 Target System Requirements

This section describes the environment of the target system required to install and use File Manager.

File Manager installs in the z/OS (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 Installation Requisites

Installation requisites identify products that are required and *must* be present on the system or products that are not required but *should* be present on the system for the successful installation of this product.

Mandatory installation requisites identify products that are required on the system for the successful installation of this product.

File Manager has no mandatory installation requisites.

Conditional installation requisites identify products that are *not* required for successful installation of this product but can resolve such things as certain warning messages at installation time.

File Manager has no conditional installation requisites.

5.2.2.2 Operational Requisites

Operational requisites are products that are required and *must* be present on the system or products that are not required but *should* be present on the system for this product to operate all or part of its functions.

Mandatory operational requisites identify products that are required for this product to operate its basic functions.

Figure 8, Figure 9, Figure 10, and Figure 11 on page 16 list the mandatory operational requisites for File Manager, File Manager/Db2, File Manager/IMS and File Manager/CICS.

Figure 8. Target System Mandatory Operational Requisites	
Program Number	**Product Name and Minimum VRM/Service Level**
5650-ZOS	02.04.00 or higher
Note: The minimum z/OS level is either what is listed in the table, or the currently minimum supported OS level, whichever is the most recent.	

Note: Installation might require migration to new releases to obtain support. See https://www.ibm.com/support/lifecycle/

Figure 9. Target System Mandatory Operational Requisites for File Manager/Db2	
Program Number	**Product Name and Minimum VRM/Service Level**
Any **one** of the following:	
5650-DB2	DB2 for z/OS 12.01.00
5770-AF3	DB2 Value Unit Edition for z/OS 12.01.00
5698-DB2	DB2 for z/OS 13.01.00
5698-DBV	DB2 Value Unit Edition for z/OS 13.01.00

Note: Installation might require migration to new releases to obtain support. See https://www.ibm.com/support/lifecycle/

Figure 10. Target System Mandatory Operational Requisites for File Manager/IMS	
Program Number	**Product Name and Minimum VRM/Service Level**
Any **one** of the following:	
5635-A06	IBM Information Management System 15.1.0 or higher

Figure 11. Target System Mandatory Operational Requisites for File Manager/CICS

Program Number	Product Name and Minimum VRM/Service Level
5650-ZOS	z/OS Communications Server IP Services 02.04.00 or higher
5650-ZOS	Language Environment for z/OS 02.04.00 or higher
Any **one** of the following:	
5655-Y04	CICS Transaction Server for z/OS 05.04.00 or higher
5722-DFJ	CICS Transaction Server for z/OS Value Unit Edition 05.04.00 or higher
5655-YA1	CICS Transaction Server for z/OS 06.01.00 or higher
5722-DV1	CICS Transaction Server for z/OS Value Unit Edition 06.01.00 or higher

Conditional operational requisites identify products that are *not* required for this product to operate its basic functions but are required at run time for this product to operate specific functions.

Conditional operational requisites for File Manager base function are listed below. There are no conditional operational requisites for File Manager/Db2, File Manager/IMS, or File Manager/CICS.

Figure 12. Target System Conditional Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level	Function
5650-ZOS	z/OS DFSORT 02.04.00 or higher	Copy functions
5655-MQ9	IBM MQ for z/OS 09.02.00 or higher	WebSphere MQ queue support.
5650-ZOS	02.04.00 or higher	EAV support
Any **one** of the following:		
5650-DB2	DB2 for z/OS 12.01.00	OAM functions
5770-AF3	DB2 Value Unit Edition for z/OS 12.01.00	OAM functions
5698-DB2	DB2 for z/OS 13.01.00	OAM functions
5698-DBV	DB2 Value Unit Edition for z/OS 13.01.00	OAM functions
Any **one** of the following:		
5655-EC6	IBM Enterprise COBOL for z/OS 06.02.00 or higher	COBOL Copybook functions
5697-V61	IBM Enterprise COBOL VUE for z/OS 06.02.00 or higher	COBOL Copybook functions

Note: Installation might require migration to new releases to obtain support. See https://www.ibm.com/support/lifecycle/

Note:

For template functions using High Level Assembler, ensure that the SASMMOD1 HLASM library is available to File Manager.

5.2.2.3 Toleration/Coexistence Requisites

Toleration/coexistence requisites identify products that must be present on sharing systems. 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 environment at different time intervals.

File Manager has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites

Negative requisites identify products that must *not* be installed on the same system as this product.

File Manager has no negative requisites.

5.2.3 DASD Storage Requirements

File Manager libraries can reside on all supported DASD types.

Figure 13 and Figure 14 list the total space that is required for each type of library.

Figure 13. Total DASD Space Required by File Manager		
Library Type	**Total Space Required in 3390 Trks**	**Description**
Target	3495 tracks	
Distribution	3420 tracks	

Figure 14. Total DASD Space Required by File Manager Japanese components	
Library Type	**Total Space Required in 3390 Trks**
Target	1470 tracks
Distribution	1470 tracks

Notes:

1. For non-RECFM U data sets, IBM recommends using system-determined block sizes for efficient DASD utilization. For RECFM U data sets, IBM recommends using a block size of 32760, which is most efficient from the performance and DASD utilization perspective.

2. Abbreviations used for data set types are shown as follows.

U   Unique data set, allocated by this product and used by only this product. This table provides all the required information to determine the correct storage for this data set. You do not need to refer to other tables or program directories for the data set size.

S   Shared data set, allocated by this product and used by this product and other products. To determine the correct storage needed for this data set, add the storage size given in this table to those given in 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 other products. This data set is *not* allocated by this product. To determine the correct storage for this data set, add the storage size given in this table to those given in 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.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old release and reclaim the space that was used by the old release and any service that had been installed. You can determine whether 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 about the names and sizes of the required data sets, see 6.1.6, "Allocate SMP/E Target and Distribution Libraries" on page 27.

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

- The default name of the data set can be changed.
- The default block size of the data set can be changed.
- The data set can be merged with another data set that has equivalent characteristics.
- The data set can be either a PDS or a PDSE, with the exception of SFMNMODA, AFMNMODA, SFMNMOD1, AFMNMOD1, SFMNMOD2, AFMNMOD2, SFMNMODJ, AFMNMODJ, which must be PDSEs.

4. All target libraries listed have the following attributes:

- These data sets can be SMS-managed, but they are not required to be SMS-managed.
- These data sets are not required to reside on the IPL volume.
- The values in the "Member Type" column are not necessarily the actual SMP/E element types that are identified in the SMPMCS.

5. All target libraries that are listed and contain load modules have the following attributes:

- These data sets can not be in the LPA, with some exceptions. If the value in the "Member Type" column specifies "LPA", it is advised to place the data set in the LPA.
- These data sets can be in the LNKLST.
- These data sets are not required to be APF-authorized, except for SFMNMODA, which must be APF authorized. Certain functions will not be available to all users if the File Manager load library, SFMNMOD1, is not APF-authorized. For more information see the *File Manager Customization Guide*.

- File Manager requires that the SMPLTS data set must be a PDSE. If your existing SMPLTS is a PDS, you will need to allocate a new PDSE and copy your existing SMPLTS into it and then change the SMPLTS DDDEF entry to indicate the new PDSE data set.

The following figures describe the target and distribution libraries required to install File Manager. The storage requirements of File Manager must be added to the storage required by other programs that have data in the same library.

Note: Use the data in these tables to determine 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 15. Storage Requirements for File Manager Target Libraries								
Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SFMNCLIB	Clist	ANY	U	PDS	FB	80	15	5
SFMNDBRM	Data	ANY	U	PDS	FB	80	60	10
SFMNEXEC	Exec	ANY	U	PDS	FB	80	60	10
SFMNMAC1	Macro	ANY	U	PDS	FB	80	60	5
SFMNMENU	Message	ANY	U	PDS	FB	80	60	60
SFMNMODA	LMOD	ANY	U	PDSE	U	0	300	n/a
SFMNMOD1	LMOD	ANY	U	PDSE	U	0	1200	n/a
SFMNMOD2	LMOD	ANY	U	PDSE	U	0	45	n/a
SFMNPENU	Panel	ANY	U	PDS	FB	80	1350	400
SFMNSAM1	Sample	ANY	U	PDS	FB	80	225	25
SFMNSLIB	Skel	ANY	U	PDS	FB	80	90	10
SFMNTENU	Table	ANY	U	PDS	FB	80	30	5

Figure 16 (Page 1 of 2). Storage Requirements for File Manager Target Libraries - Japanese								
Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SFMNMODJ	LMOD	ANY	U	PDSE	U	0	30	n/a
SFMNPJPN	Panel	ANY	U	PDS	FB	80	1350	400
SFMNMJPN	Message	ANY	U	PDS	FB	80	60	60

Figure 16 (Page 2 of 2). Storage Requirements for File Manager Target Libraries - Japanese								
Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SFMNTJPN	Table	ANY	U	PDS	FB	80	30	5

Figure 17. Storage Requirements for File Manager							
Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
AFMNCLIB	U	PDS	FB	80	15	5
AFMNDBRM	U	PDS	FB	80	60	10
AFMNEXEC	U	PDS	FB	80	60	10
AFMNMAC1	U	PDS	FB	80	60	5
AFMNMENU	U	PDS	FB	80	60	60
AFMNMODA	U	PDSE	U	0	300	n/a
AFMNMOD1	U	PDSE	U	0	1125	n/a
AFMNMOD2	U	PDS	U	0	45	n/a
AFMNPENU	U	PDS	FB	80	1350	400
AFMNSAM1	U	PDS	FB	80	225	25
AFMNSLIB	U	PDS	FB	80	90	10
AFMNTENU	U	PDS	FB	80	30	5

Figure 18. Storage Requirements for File Manager Distribution Libraries - Japanse							
Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
AFMNMODJ	U	PDSE	U	0	30	n/a
AFMNPJPN	U	PDS	FB	80	1350	400
AFMNMJPN	U	PDS	FB	80	60	60
AFMNTJPN	U	PDS	FB	80	30	5

5.3 FMIDs Deleted

Installing File Manager might result in the deletion of other FMIDs. To see which FMIDs will be deleted, examine the ++VER statement in the SMPMCS of the product.

If you do not want to delete these FMIDs at this time, install File Manager into separate SMP/E target and distribution zones.

Note: These FMIDs are not automatically deleted from the Global Zone. If you want to delete these FMIDs from the Global Zone, use the SMP/E REJECT NOFMID DELETEFMID command. See the SMP/E Commands book for details.

5.4 Special Considerations

PDSE Considerations:

File Manager uses the "partitioned data set extended" or PDSE format for its LMOD
 target libraries. There are some operational differences between PDS and PDSE data sets. The PDS format may be shared by more than one z/OS system and no special precautions are necessary. However the PDSE format may only be shared by z/OS systems which are part of a sysplex or which are connected using Global Resource Serialization (are in a GRS complex). If z/OS systems share use of a PDSE data set outside of a sysplex or GRS environment, you may experience severe problems when the data set is updated. This is due to the fact that PDSE directory information is cached in storage, and when the data set is updated from one system the other system(s) have no knowledge of the update, and their cached directory information will be incorrect.

You must take care not to share these data sets between z/OS systems unless they are in a sysplex or are connected in a GRS complex. If you need to share the content of these libraries, a separate copy must be created for each z/OS system.

5.4.1 Coexistence with previous versions of File Manager

File Manager Version 14:

There are no actions required.

5.4.2 File Manager and COBOL and PL/I Compilers

A version of the COBOL compiler specifically for File Manager is included. These COBOL compiler modules are installed into SFMNMOD1 by the APPLY step for File Manager base component.

This is a reduced-function COBOL compiler and cannot be used to generate executable COBOL programs.

A version of the PL/I compiler specifically for File Manager is included. These PL/I compiler modules are installed into SFMNMOD1 by the APPLY step for File Manager base component.

This is a reduced-function PL/I compiler and cannot be used to generate executable PL/I programs.

The purpose of these compilers is to compile copybooks that File Manager can use to create templates which map the data.

Both these compilers require Language Environment library SCEERUN to be available for execution.

Please note that COBOL users have the choice of either using an already installed licensed COBOL compiler or the File Manager supplied compiler. PL/I users must use the compiler supplied with File Manager .

For more information on the compilers see *File Manager Customization Guide*.

5.4.3 File Manager Base Function

To process High Level Assembler copybooks, ensure that the HLASM load library, ASM.SASMMOD1, is available to File Manager.

You can optionally enable File Manager to use the DFSORT COPY function to improve the performance of the File Manager Data Set Copy and Data Set Print functions.
For information on how to enable File Manager to use DFSORT, see the *File Manager Customization Guide*.

For function access control and authorization verification, RACF® Security Server 02.04.00 or higher, or a functionally equivalent security package is required.

If you plan to use File Manager base function with functions making use of the object access method objects, DB2 UDB for z/OS 12.01.00 or subsequent versions or releases, or DB2 VUE for z/OS 12.01.00 or subsequent versions or releases, are required.

5.4.4 File Manager/Db2

File Manager/Db2 has no special considerations for the target system.

5.4.5 File Manager/IMS

File Manager/IMS has no special considerations for the target system.

5.4.6 File Manager/CICS

File Manager/CICS has no special considerations for the target system.

5.4.7 IBM Application Delivery Foundation for z/OS Common Components (ADFz Common Components)

ADFz Common Components is required if you plan to use the File Manager CICS component and/or the ADFz Common Components Common Server component.

If you have previously received ADFz Common Components (FMID HVWR190) and installed it into the target and distribution zones where you intend to install File Manager, there is no need to install the newly received ADFz Common Components again.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of File Manager.

Please note the following points:

- If you want to install File Manager into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.

- You can use the sample jobs that are provided to perform part or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries that are required for SMP/E execution have been defined in appropriate zones.

- You can use the SMP/E dialogs instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing File Manager

6.1.1 SMP/E Considerations for Installing File Manager

Use the SMP/E RECEIVE, APPLY, and ACCEPT commands to install this release of File Manager.

6.1.2 SMP/E Options Subentry Values

The recommended values for certain SMP/E CSI subentries are shown in Figure 19. Using values lower than the recommended values can result in failures in the installation. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. See the SMP/E manuals for instructions on updating the global zone.

Figure 19. SMP/E Options Subentry Values		
Subentry	**Value**	**Comment**
DSSPACE	(600,100,1000)	3390 DASD tracks
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install File Manager:

Figure 20. Sample Installation Jobs			
Job Name	**Job Type**	**Description**	**SMPTLIB Data Set**
FMNALSMP (optional)	SMP/E	Sample job to define an SMP/E environment.	IBM.HADLF10.F2
FMNRECEV	RECEIVE	Sample RECEIVE job for File Manager	IBM.HADLF10.F2
FMNALLOC	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HADLF10.F2
FMNDDDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HADLF10.F2
FMNAPPLY	APPLY	Sample APPLY job for File Manager	IBM.HADLF10.F2
FMNVERIF	VERIFY	Sample batch job to verify installation of the base function	IBM.HADLF10.F2
FMNACCEP	ACCEPT	Sample ACCEPT job for File Manager	IBM.HADLF10.F2

Figure 21. Sample Installation Jobs for File Manager Japanese components			
Job Name	**Job Type**	**Description**	**RELFILE**
FMNRECVJ	RECEIVE	Sample RECEIVE job for File Manager Japanese components	IBM.HADLF10.F2
FMNALLOJ	ALLOCATE	Sample job to allocate target and distribution libraries for File Manager Japanese components	IBM.HADLF10.F2
FMNDDDFJ	DDDEF	Sample job to define SMP/E DDDEFs for File Manager Japanese components	IBM.HADLF10.F2
FMNAPLYJ	APPLY	Sample APPLY job for File Manager Japanese components	IBM.HADLF10.F2
FMNACPTJ	ACCEPT	Sample ACCEPT job for File Manager for Japanese components	IBM.HADLF10.F2

You can access the sample installation jobs by performing an SMP/E RECEIVE (refer to 6.1.5, "Perform SMP/E RECEIVE" on page 27) then copy the jobs from the SMPTLIB data sets to a work data set for editing and submission. See Figure 20 on page 24 to find the appropriate relfile data set.

You can also copy the sample installation jobs from the product files by submitting the following job. Before you submit the job, add a job card and change the lowercase parameters to uppercase values to meet the requirements of your site.

```
//STEP1    EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//IN       DD DSN=IBM.HADLF10.F2,UNIT=SYSALLDA,DISP=SHR,
//         VOL=SER=filevol
//OUT      DD DSNAME=jcl-library-name,
//         DISP=(NEW,CATLG,DELETE),
//         VOL=SER=dasdvol,UNIT=SYSALLDA,
```

```
//          SPACE=(TRK,(20,10,5))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=IN,OUTDD=OUT
    SELECT MEMBER=(FMNALSMP,FMNRECEV,FMNALLOC,FMNDDDEF)
    SELECT MEMBER=(FMNAPPLY,FMNVERIF,FMNACCEP)
/*
```

To copy the sample jobs for the File Manager Japanese components, use this JCL.

```
//STEP1    EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//IN       DD DSN=IBM.HADLF10.F2,UNIT=SYSALLDA,DISP=SHR,
//         VOL=SER=filevol
//OUT      DD DSNAME=jcl-library-name,
//         DISP=(NEW,CATLG,DELETE),
//         VOL=SER=dasdvol,UNIT=SYSALLDA,
//         SPACE=(8800,(5,2,5))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=IN,OUTDD=OUT
    SELECT MEMBER=(FMNRECVJ,FMNALLOJ,FMNDDDFJ,FMNAPLYJ,FMNACPTJ)
/*
```

See the following information to update the statements in the previous sample:

IN:
   filevol is the volume serial of the DASD device where the downloaded files reside.
OUT:
   jcl-library-name is the name of the output data set where the sample jobs are stored.
   dasdvol is the volume serial of the DASD device where the output data set resides. Uncomment
   the statment if a volume serial must be provided.

6.1.4 Allocate SMP/E CSI (Optional)

If you are using an existing CSI, do not execute this job.

If you are allocating a new SMP/E data set for this install, edit and submit sample job FMNALSMP to
allocate the SMP/E data set for File Manager. Consult the instructions in the sample job for more
information.

Expected Return Codes and Messages: You will receive a return code of 0 if this job runs correctly.

6.1.5 Perform SMP/E RECEIVE

If you have obtained File Manager as part of a CBPDO, use the RCVPDO job in the CBPDO RIMLIB data set to receive the File Manager FMIDs, service, and HOLDDATA that are included on the CBPDO package. For more information, see the documentation that is included in the CBPDO.

You can also choose to edit and submit sample job FMNRECEV to perform the SMP/E RECEIVE for File Manager base function, and the DB2, IMS and CICS components. If you do not want to RECEIVE File Manager/Db2, File Manager/IMS or File Manager/CICS at this time, remove the FMID for that component from the sample job. Consult the instructions in the sample job for more information.

If you want to receive the File Manager Japanese components, edit and submit the sample job FMNRECVJ to perform the SMP/E RECEIVE for these components. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code of 0 if these jobs run correctly.

6.1.6 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job FMNALLOC to allocate the SMP/E target and distribution libraries for File Manager. Consult the instructions in the sample job for more information.

If you have received any File Manager Japanese components, edit and submit the sample job FMNALLOJ to allocate SMP/E target and distribution libraries for these components. Consult the instructions in the sample job for more informatio

Expected Return Codes and Messages: You will receive a return code of 0 if these jobs run correctly.

6.1.7 Create DDDEF Entries

Edit and submit sample job FMNDDDEF to create DDDEF entries for the SMP/E target and distribution libraries for File Manager, and the DB2, IMS, and CICS components.

If you are not installing any component, remove or comment out the step for that component from the sample job.

Consult the instructions in the sample job for more information.

If you have received any File Manager Japanese components, edit and submit the sample job FMNDDDFJ to create DDDEF entries for the SMP/E target and distribution libraries for these components. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will receive a return code of 0 if these jobs run correctly.

6.1.8 Perform SMP/E APPLY

1. Ensure that you have the latest HOLDDATA; then edit and submit sample job FMNAPPLY to perform an SMP/E APPLY CHECK for File Manager and the DB2, IMS and CICS components. If you do not want to APPLY any component, remove the FMID for that component from the sample job. Consult the instructions in the sample job for more information.

   You cannot perform an SMP/E APPLY for File Manager/Db2, File Manager/IMS or File Manager/CICS unless you are also APPLYing, or have already APPLIED, File Manager base function. However, you can apply File Manager/Db2, File Manager/IMS, and File Manager/CICS together.

   If you have received any File Manager Japanese components, edit and submit the sample job FMNAPLYJ to perform an SMP/E APPLY CHECK for these components. Consult the instructions in the sample job for more information.

   The latest HOLDDATA is available through several different portals, including https://service.software.ibm.com/holdata/390holddata.html. The latest HOLDDATA may identify HIPER and FIXCAT APARs for the FMIDs you will be installing. An APPLY CHECK will help you determine if any HIPER or FIXCAT APARs are applicable to the FMIDs you are installing. If there are any applicable HIPER or FIXCAT APARs, the APPLY CHECK will also identify fixing PTFs that will resolve the APARs, if a fixing PTF is available.

   You should install the FMIDs regardless of the status of unresolved HIPER or FIXCAT APARs. However, do not deploy the software until the unresolved HIPER and FIXCAT APARs have been analyzed to determine their applicability. That is, before deploying the software either ensure fixing PTFs are applied to resolve all HIPER or FIXCAT APARs, or ensure the problems reported by all HIPER or FIXCAT APARs are not applicable to your environment.

   To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the PRE, ID, REQ, and IFREQ on the APPLY CHECK. The SMP/E root cause analysis identifies the cause only of *errors* and not of *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings, instead of errors).

   Here are sample APPLY commands:

   a. To ensure that all recommended and critical service is installed with the FMIDs, receive the latest HOLDDATA and use the APPLY CHECK command as follows

   ```
   APPLY S(fmid,fmid,...) CHECK
   FORFMID(fmid,fmid,...)
   SOURCEID(RSU*)
   FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)
   GROUPEXTEND .
   ```

   Some HIPER APARs might not have fixing PTFs available yet. You should analyze the symptom flags for the unresolved HIPER APARs to determine if the reported problem is applicable to your environment and if you should bypass the specific ERROR HOLDs in order to continue the installation of the FMIDs.

   This method requires more initial research, but can provide resolution for all HIPERs that have fixing PTFs available and are not in a PE chain. Unresolved PEs or HIPERs might still exist and require the use of BYPASS.

b. To install the FMIDs without regard for unresolved HIPER APARs, you can add the BYPASS(HOLDCLASS(HIPER)) operand to the APPLY CHECK command. This will allow you to install FMIDs even though one or more unresolved HIPER APARs exist. After the FMIDs are installed, use the SMP/E REPORT ERRSYSMODS command to identify unresolved HIPER APARs and any fixing PTFs.

```
APPLY S(fmid,fmid,...) CHECK
FORFMID(fmid,fmid,...)
SOURCEID(RSU*)
FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)
GROUPEXTEND
BYPASS(HOLDCLASS(HIPER),HOLDFIXCAT) .
 ..any other parameters documented in the program directory
```

This method is quicker, but requires subsequent review of the Exception SYSMOD report produced by the REPORT ERRSYSMODS command to investigate any unresolved HIPERs. If you have received the latest HOLDDATA, you can also choose to use the REPORT MISSINGFIX command and specify Fix Category IBM.PRODUCTINSTALL-REQUIREDSERVICE to investigate missing recommended service.

If you bypass HOLDs during the installation of the FMIDs because fixing PTFs are not yet available, you can be notified when the fixing PTFs are available by using the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink.

2. After you take actions that are indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

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

Expected Return Codes and Messages from APPLY CHECK: You will receive a return code of 0 if these jobs run correctly.

Expected Return Codes and Messages from APPLY: You will receive a return code of 0 if these jobs run correctly.

6.1.9 Define PARMLIB members

File Manager (each component separately and independently) can optionally be set-up to use SAF-rule controlled auditing, based on the values set in certain members in SYS1.PARMLIB (or any other library in the system parmlib concatenation. The determination of whether to use SAF-rule controlled auditing is a customization task, and is described in the *IBM File Manager for z/OS Customization Guide*, . A specific SAF rule (or rules) need to be defined to activate SAF-rule controlled auditing and PARMLIB processing. If these specific SAF rules are not defined, File Manager components will not attempt to access SYS1.PARMLIB.

If you do not intend to use SAF-rule controlled auditing for any File Manager component, you can skip the rest of this section.

When SAF-rule controlled auditing and PARMLIB processing is required for a File Manager component, a specific member needs to be added to SYS1.PARMLIB (or any other library in the system parmlib concatenation). Default parmlib members are provided in hlq.SFMNSAM1.

If you intend to use SAF-rule controlled auditing for File Manager base, copy member FMN0PARM to the appropriate system parmlib library.

If you are installing File Manager/IMS and intend to use SAF-rule controlled auditing for File Manager/IMS, copy member FMN1PARM to the appropriate system parmlib library.

If you are installing File Manager/Db2 and intend to use SAF-rule controlled auditing for File Manager/Db2, copy member FMN2PARM to the appropriate system parmlib library.

If you are installing File Manager/CICS and intend to use SAF-rule controlled auditing for File Manager/CICS, copy member FMN3PARM to the appropriate system parmlib library.

The *IBM File Manager for z/OS Customization Guide,* contains more information on customizing these members, and methods to include them in the system parmlib concatenation.

Note: File Manager will not start when SAF-rule controlled auditing is active and the required parmlib member does not exist in the system parmlib concatenation.

6.1.10 Verify the Installation of File Manager

To verify the successful installation of File Manager base function, edit and submit the sample batch job FMNVERIF.   Consult the instructions in the sample job for more information. This job will produce a listing showing the product level of File Manager, and sample data file outputs. The job uses the DSP function and produces output in both hex and tabular form. There are three steps: using a sample COBOL template and copybook, using a sample HLASM copybook and using a PL/I INCLUDE book. FMNVERIF is distributed in **hlq.**SFMNSAM1.

Expected Return Codes and Messages: You will receive a return code of 0 if this job runs correctly.

To verify the successful installation and customization of File Manager/Db2, you need to create a small sample database, run a batch job and perform some tasks using File Manager/Db2. This process is described in the *File Manager Customization Guide*.

To verify the successful installation and customization of File Manager/IMS, you need to run a number of batch jobs to set up IMS databases, and then use File Manager/IMS to work with these databases. This process is described in the *File Manager Customization Guide*.

To verify the successful installation and customization of File Manager/CICS, follow the verification process described in the *File Manager Customization Guide*.

6.1.11 Perform SMP/E ACCEPT

Edit and submit sample job FMNACCEP to perform an SMP/E ACCEPT CHECK for File Manager and the DB2, IMS and CICS components. If you do not want to ACCEPT any component, remove the FMID for that component from the sample job. Consult the instructions in the sample job for more information.

If you have applied any File Manager Japanese components, edit and submit the sample job FMNACPTJ to perform an SMP/E ACCEPT CHECK for the these components. 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 PRE, ID, REQ, and IFREQ on the ACCEPT CHECK. The SMP/E root cause analysis identifies the cause of *errors* but not *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings rather than errors).

Before you use SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. In this way, you can save the entries that are produced from JCLIN in the distribution zone whenever a SYSMOD that contains inline JCLIN is accepted. For more information about the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E Commands book for details.

After you take actions that are indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

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

Expected Return Codes and Messages from ACCEPT CHECK: You will receive a return code of 0 if these jobs run correctly.

If PTFs that contain replacement modules are accepted, SMP/E ACCEPT processing will link-edit or bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder might issue messages that indicate unresolved external references, which will result in a return code of 4 during the ACCEPT phase. You can ignore these messages, because the distribution libraries are not executable and the unresolved external references do not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT: You will receive a return code of 0 if these jobs run correctly.

6.1.12 Run REPORT CROSSZONE

The SMP/E REPORT CROSSZONE command identifies requisites for products that are installed in separate zones. This command also creates APPLY and ACCEPT commands in the SMPPUNCH data set. You can use the APPLY and ACCEPT commands to install those cross-zone requisites that the SMP/E REPORT CROSSZONE command identifies.

After you install File Manager, it is recommended that you run REPORT CROSSZONE against the new or updated target and distribution zones. REPORT CROSSZONE requires a global zone with ZONEINDEX entries that describe all the target and distribution libraries to be reported on.

For more information about REPORT CROSSZONE, see the SMP/E manuals.

6.2 Activating File Manager

6.2.1 Product Customization

The publications *IBM File Manager for z/OS Customization Guide*, , contains the necessary information to register, customize and use File Manager

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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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Reader's Comments

Program Directory for IBM File Manager for z/OS, March 2023

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