



**Program Directory for
IBM DB2 V9.1 for z/OS
QMF Classic Edition
National Language Version**

V09.01.00

Program Number 5635-DB2

for Use with
z/OS

Document Date: March 2007

GI10-8741-00

Note!

Before using this information and the product it supports, be sure to read the general information under 7.0, "Notices" on page 59.

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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 QMF Classic Edition National Language Version.

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 3 identifies the basic and optional program materials and documentation for QMF Classic Edition National Language Version.
- 3.0, “Program Support” on page 14 describes the IBM support available for QMF Classic Edition National Language Version.
- 4.0, “Program and Service Level Information” on page 16 lists the APARs (program level) and PTFs (service level) incorporated into QMF Classic Edition National Language Version.
- 5.0, “Installation Requirements and Considerations” on page 17 identifies the resources and considerations required for installing and using QMF Classic Edition National Language Version.
- 6.0, “Installation Instructions” on page 34 provides detailed installation instructions for QMF Classic Edition National Language Version. It also describes the procedures for activating the functions of QMF Classic Edition National Language Version, or refers to appropriate publications.

Before installing QMF Classic Edition National Language Version, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that were supplied with this program in softcopy form as well as this Program Directory and then keep them for future reference. Section 3.2, “Preventive Service Planning” on page 14 tells you how to find any updates to the information and procedures in this Program Directory.

QMF Classic Edition National Language Version is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The Program Directory is provided in softcopy form on the CBPDO tape which is identical to the hardcopy form provided with your order. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for QMF Classic Edition National Language Version are included on the CBPDO tape.

Do not use this Program Directory if you are installing QMF Classic Edition National Language Version 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.

1.1 QMF Classic Edition National Language Version Description

DB2 Query Management Facility (QMF) is a tightly integrated, powerful, and reliable tool that performs query and reporting functions that help you access relational or multidimensional data. It offers an easy-to-learn, interactive interface to databases in the IBM DB2 product family. Users with little or no data processing experience can easily retrieve, create, update, insert, or delete data that is stored in DB2.

QMF for TSO/CICS is translated into multiple national language versions. This program directory documents the installation of QMF for TSO/CICS base and all of the national language versions. You must have the QMF for TSO/CICS base product installed prior to the installation of and national language version.

1.2 QMF Classic Edition National Language Version FMIDs

QMF Classic Edition National Language Version consists of the following FMIDs:

- HSQ9910 (QMF TSO/CICS Base)
- JSQ9951 (QMF Uppercase English)
- JSQ9955 (QMF Danish)
- JSQ9956 (QMF French)
- JSQ9957 (QMF German)
- JSQ9958 (QMF Italian)
- JSQ9959 (QMF Japanese)
- JSQ995A (QMF Korean)
- JSQ995B (QMF Brazilian Portuguese)
- JSQ995C (QMF Spanish)
- JSQ995D (QMF Swedish)
- JSQ995E (QMF Swiss French)
- JSQ995F (QMF Swiss German)
- JSQ995G (QMF Canadian French)

2.0 Program Materials

An IBM program is identified by a program number and feature numbers. The program number for QMF Classic Edition National Language Version is 5635-DB2 and the feature number is 6001.

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

The program announcement material describes the features supported by QMF Classic Edition National Language Version. 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 magnetic tape or downloadable files. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions" on page 34 for more information about how to install the program.

Information about the physical tape for the Basic Machine-Readable Materials for QMF Classic Edition National Language Version can be found in the *CBPDO Memo To Users Extension*.

Non-CBPDO Customers

If you receive the product tape and program directory outside the CBPDO process, refer to 6.1.4, "Sample Jobs" on page 35 for details (media volser, file name, tape file number) and how to proceed.

Figure 1 describes the program file content for QMF Classic Edition National Language Version. You can refer to the *CBPDO Memo To Users Extension* to see where the files reside on the tape.

Notes:

1. The data set attributes in this table should be used in the JCL of jobs reading the data sets, but since the data sets are in IEBCOPY unloaded format, their actual attributes may be different.
2. If any RELFILEs are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

Figure 1 (Page 1 of 2). Program File Content - QMF TSO/CICS Base

Name	O R G	R E C M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800

Figure 1 (Page 2 of 2). Program File Content - QMF TSO/CICS Base

Name	O R G	R E C F M	L R E C L	BLK SIZE
IBM.HSQ9910.F1	PDS	FB	80	8800
IBM.HSQ9910.F2	PDS	U	0	6144
IBM.HSQ9910.F3	PDS	FB	80	8800
IBM.HSQ9910.F4	PDS	FB	80	8800
IBM.HSQ9910.F5	PDS	F	400	400
IBM.HSQ9910.F6	PDS	V	30345	30349
IBM.HSQ9910.F7	PDS	FB	80	8800
IBM.HSQ9910.F8	PDS	F	400	400

Figure 2. Program File Content - Uppercase English

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9951.F1	PDS	FB	80	8800
IBM.JSQ9951.F2	PDS	U	0	6144
IBM.JSQ9951.F3	PDS	FB	80	8800
IBM.JSQ9951.F4	PDS	FB	80	8800
IBM.JSQ9951.F5	PDS	F	400	400
IBM.JSQ9951.F6	PDS	V	32474	32478

Figure 3 (Page 1 of 2). Program File Content - Danish

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9955.F1	PDS	FB	80	8800
IBM.JSQ9955.F2	PDS	U	0	6144

Figure 3 (Page 2 of 2). Program File Content - Danish

Name	O R G	R E C F M	L R E C L	BLK SIZE
IBM.JSQ9955.F3	PDS	FB	80	8800
IBM.JSQ9955.F4	PDS	FB	80	8800
IBM.JSQ9955.F5	PDS	F	400	400
IBM.JSQ9955.F6	PDS	V	32474	32478

Figure 4. Program File Content - French

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9956.F1	PDS	FB	80	8800
IBM.JSQ9956.F2	PDS	U	0	6144
IBM.JSQ9956.F3	PDS	FB	80	8800
IBM.JSQ9956.F4	PDS	FB	80	8800
IBM.JSQ9956.F5	PDS	F	400	400
IBM.JSQ9956.F6	PDS	V	32474	32478

Figure 5. Program File Content - German

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9957.F1	PDS	FB	80	8800
IBM.JSQ9957.F2	PDS	U	0	6144
IBM.JSQ9957.F3	PDS	FB	80	8800
IBM.JSQ9957.F4	PDS	FB	80	8800
IBM.JSQ9957.F5	PDS	F	400	400
IBM.JSQ9957.F6	PDS	V	32474	32478

Figure 6. Program File Content - Italian

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9958.F1	PDS	FB	80	8800
IBM.JSQ9958.F2	PDS	U	0	6144
IBM.JSQ9958.F3	PDS	FB	80	8800
IBM.JSQ9958.F4	PDS	FB	80	8800
IBM.JSQ9958.F5	PDS	F	400	400
IBM.JSQ9958.F6	PDS	V	32474	32478

Figure 7. Program File Content - Japanese

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ9959.F1	PDS	FB	80	8800
IBM.JSQ9959.F2	PDS	U	0	6144
IBM.JSQ9959.F3	PDS	FB	80	8800
IBM.JSQ9959.F4	PDS	FB	80	8800
IBM.JSQ9959.F5	PDS	F	400	400
IBM.JSQ9959.F6	PDS	V	32474	32478

Figure 8 (Page 1 of 2). Program File Content - Korean

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995A.F1	PDS	FB	80	8800
IBM.JSQ995A.F2	PDS	U	0	6144
IBM.JSQ995A.F3	PDS	FB	80	8800

Figure 8 (Page 2 of 2). Program File Content - Korean

Name	O R G	R E C F M	L R E C L	BLK SIZE
IBM.JSQ995A.F4	PDS	FB	80	8800
IBM.JSQ995A.F5	PDS	F	400	400
IBM.JSQ995A.F6	PDS	V	32474	32478

Figure 9. Program File Content - Brazilian Portuguese

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995B.F1	PDS	FB	80	8800
IBM.JSQ995B.F2	PDS	U	0	6144
IBM.JSQ995B.F3	PDS	FB	80	8800
IBM.JSQ995B.F4	PDS	FB	80	8800
IBM.JSQ995B.F5	PDS	F	400	400
IBM.JSQ995B.F6	PDS	V	32474	32478

Figure 10. Program File Content - Spanish

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995C.F1	PDS	FB	80	8800
IBM.JSQ995C.F2	PDS	U	0	6144
IBM.JSQ995C.F3	PDS	FB	80	8800
IBM.JSQ995C.F4	PDS	FB	80	8800
IBM.JSQ995C.F5	PDS	F	400	400
IBM.JSQ995C.F6	PDS	V	32474	32478

Figure 11. Program File Content - Swedish

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995D.F1	PDS	FB	80	8800
IBM.JSQ995D.F2	PDS	U	0	6144
IBM.JSQ995D.F3	PDS	FB	80	8800
IBM.JSQ995D.F4	PDS	FB	80	8800
IBM.JSQ995D.F5	PDS	F	400	400
IBM.JSQ995D.F6	PDS	V	32474	32478

Figure 12. Program File Content - Swiss French

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995E.F1	PDS	FB	80	8800
IBM.JSQ995E.F2	PDS	U	0	6144
IBM.JSQ995E.F3	PDS	FB	80	8800
IBM.JSQ995E.F4	PDS	FB	80	8800
IBM.JSQ995E.F5	PDS	F	400	400
IBM.JSQ995E.F6	PDS	V	32474	32478

Figure 13 (Page 1 of 2). Program File Content - Swiss German

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995F.F1	PDS	FB	80	8800
IBM.JSQ995F.F2	PDS	U	0	6144
IBM.JSQ995F.F3	PDS	FB	80	8800

Figure 13 (Page 2 of 2). Program File Content - Swiss German

Name	O R G	R E C F M	L R E C L	BLK SIZE
IBM.JSQ995F.F4	PDS	FB	80	8800
IBM.JSQ995F.F5	PDS	F	400	400
IBM.JSQ995F.F6	PDS	V	32474	32478

Figure 14. Program File Content - Canadian French

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	8800
IBM.JSQ995G.F1	PDS	FB	80	8800
IBM.JSQ995G.F2	PDS	U	0	6144
IBM.JSQ995G.F3	PDS	FB	80	8800
IBM.JSQ995G.F4	PDS	FB	80	8800
IBM.JSQ995G.F5	PDS	F	400	400
IBM.JSQ995G.F6	PDS	V	32474	32478

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for QMF Classic Edition National Language Version.

2.3 Program Publications

The following sections identify the basic and optional publications for QMF Classic Edition National Language Version.

2.3.1 Basic Program Publications

Figure 15 identifies the basic unlicensed program publications for QMF Classic Edition National Language Version. One copy of each of these publications is included when you order the basic materials for QMF Classic Edition National Language Version. For additional copies, contact your IBM representative.

<i>Figure 15. Basic Material: Unlicensed Publications</i>	
Publication Title	Form Number
QMF Classic Edition National Language Version Program Directory	GI10-8741

Figure 16 identifies the basic unlicensed or licensed publications for QMF Classic Edition National Language Version that are not available in hardcopy form. These publications are available in PDF format on CD-ROM "DB2 Version 9.1 for z/OS Licensed Library Collection", LK3T-7195, shipped with DB2 V9.1 for z/OS. You can view or download these and other DB2 V9.1 for z/OS publications from the IBM DB2 and IMS Tools library Web site at <http://www.ibm.com/software/data/db2imstools/library.html>.

<i>Figure 16. Basic Material: Other Unlicensed or Licensed Publications</i>		
Publication Title	Form Number	How Available
Developing DB2 QMF Applications	SC18-9687	CD-ROM or the IBM DB2 and IMS Tools library Web site
Installing and Managing DB2 QMF for TSO/CICS	GC18-9684	CD-ROM or the IBM DB2 and IMS Tools library Web site
Introducing DB2 QMF	GC18-9683	CD-ROM or the IBM DB2 and IMS Tools library Web site
DB2 QMF Messages and Codes	GC18-9688	CD-ROM or the IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	SC18-9685	CD-ROM or the IBM DB2 and IMS Tools library Web site
Using DB2 QMF	SC18-9686	CD-ROM or the IBM DB2 and IMS Tools library Web site

The following Figures are the translated QMF for TSO/CICS publications available to view or download from the IBM DB2 and IMS Tools library Web site at <http://www.ibm.com/software/data/db2imstools/library.html>.

<i>Figure 17. Basic Material: Other Unlicensed or Licensed Publications - French</i>		
Publication Title	Form Number	How Available
Introducing DB2 QMF	GC11-2480	IBM DB2 and IMS Tools library Web site

<i>Figure 18. Basic Material: Other Unlicensed or Licensed Publications - German</i>		
Publication Title	Form Number	How Available
Introducing DB2 QMF	GC12-3619	IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	SC12-3622	IBM DB2 and IMS Tools library Web site
Using DB2 QMF	SC12-3621	IBM DB2 and IMS Tools library Web site

<i>Figure 19. Basic Material: Other Unlicensed or Licensed Publications - Italian</i>		
Publication Title	Form Number	How Available
Introducing DB2 QMF	GC13-3559	IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	GC13-3561	IBM DB2 and IMS Tools library Web site
Using DB2 QMF	GC13-3560	IBM DB2 and IMS Tools library Web site

<i>Figure 20. Basic Material: Other Unlicensed or Licensed Publications - Japanese</i>		
Publication Title	Form Number	How Available
Developing DB2 QMF Applications	SD88-7610	IBM DB2 and IMS Tools library Web site
Installing and Managing DB2 QMF for TSO/CICS	GD88-7607	IBM DB2 and IMS Tools library Web site
Introducing DB2 QMF	GD88-7606	IBM DB2 and IMS Tools library Web site
DB2 QMF Messages and Codes	GD88-7611	IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	SD88-7608	IBM DB2 and IMS Tools library Web site
Using DB2 QMF	SD88-7609	IBM DB2 and IMS Tools library Web site

Figure 21. Basic Material: Other Unlicensed or Licensed Publications - Brazilian Portuguese

Publication Title	Form Number	How Available
Installing and Managing DB2 QMF for TSO/CICS	G517-8517	IBM DB2 and IMS Tools library Web site
Introducing DB2 QMF	G517-8516	IBM DB2 and IMS Tools library Web site
DB2 QMF Messages and Codes	G517-8520	IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	S517-8519	IBM DB2 and IMS Tools library Web site
Using DB2 QMF	S517-8518	IBM DB2 and IMS Tools library Web site

Figure 22. Basic Material: Other Unlicensed or Licensed Publications - Spanish

Publication Title	Form Number	How Available
Introducing DB2 QMF	GC11-3174	IBM DB2 and IMS Tools library Web site
DB2 QMF Reference	SC11-3176	IBM DB2 and IMS Tools library Web site
Using DB2 QMF	SC11-3175	IBM DB2 and IMS Tools library Web site

2.3.2 Optional Program Publications

No optional publications are provided for QMF Classic Edition National Language Version.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for QMF Classic Edition National Language Version.

2.5 Publications Useful During Installation

The publications listed in Figure 23 may be useful during the installation of QMF Classic Edition National Language Version. To order copies, contact your IBM representative or visit the IBM Publications Center on the World Wide Web at:

<http://www.ibm.com/shop/publications/order>

Figure 23. Publications Useful During Installation

Publication Title	Form Number
<i>IBM SMP/E for z/OS User's Guide</i>	SA22-7773
<i>IBM SMP/E for z/OS Commands</i>	SA22-7771
<i>IBM SMP/E for z/OS Reference</i>	SA22-7772
<i>IBM SMP/E for z/OS Messages, Codes, and Diagnosis</i>	GA22-7770

3.0 Program Support

This section describes the IBM support available for QMF Classic Edition National Language Version.

3.1 Program Services

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

3.2 Preventive Service Planning

Before installing QMF Classic Edition National Language Version, you should review the current Preventive Service Planning (PSP) information. If you obtained QMF Classic Edition National Language Version as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO.

If the CBPDO for QMF Classic Edition National Language Version is more than two weeks old when you install it, you should contact the IBM Support Center, use S/390 SoftwareXcel to obtain the current "PSP Bucket" or obtain the current PSP from the web at <https://techsupport.services.ibm.com/server/390.psp390>

For program support, access the Software Support Web site at <http://www-3.ibm.com/software/support/>

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 QMF Classic Edition National Language Version are:

Figure 24 (Page 1 of 2). PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
DB2910	HSQ9910	QMF TSO/CICS Base
DB2910	JSQ9951	QMF Uppercase English
DB2910	JSQ9955	QMF Danish
DB2910	JSQ9956	QMF French
DB2910	JSQ9957	QMF German
DB2910	JSQ9958	QMF Italian
DB2910	JSQ9959	QMF Japanese
DB2910	JSQ995A	QMF Korean
DB2910	JSQ995B	QMF Brazilian Portuguese
DB2910	JSQ995C	QMF Spanish
DB2910	JSQ995D	QMF Swedish
DB2910	JSQ995E	QMF Swiss French

Figure 24 (Page 2 of 2). PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
DB2910	JSQ992F	QMF Swiss German
DB2910	JSQ995G	QMF Canadian French

For additional Service related information, visit
<http://www.ibm.com/software/data/db2imstools/support.html>

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 25 identifies the component IDs (COMPID) for QMF Classic Edition National Language Version.

Figure 25. Component IDs

FMID	COMPID	Component Name	RETAIN Release
HSQ9910	566872101	QMF TSO/CICS Base	910
JSQ9951	566872101	QMF Uppercase English	951
JSQ9955	566872101	QMF Danish	955
JSQ9956	566872101	QMF French	956
JSQ9957	566872101	QMF German	957
JSQ9958	566872101	QMF Italian	958
JSQ9959	566872101	QMF Japanese	959
JSQ995A	566872101	QMF Korean	95A
JSQ995B	566872101	QMF Brazilian Portuguese	95B
JSQ995C	566872101	QMF Spanish	95C
JSQ995D	566872101	QMF Swedish	95D
JSQ995E	566872101	QMF Swiss French	95E
JSQ995F	566872101	QMF Swiss German	95F
JSQ995G	566872101	QMF Canadian French	95G

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of QMF Classic Edition National Language Version. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs incorporated into the program.

4.1 Program Level Information

No APARs against this release of QMF Classic Edition National Language Version have been incorporated into the product tape.

4.2 Service Level Information

No PTFs against this release of QMF Classic Edition National Language Version have been incorporated into the product tape.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating QMF Classic Edition National Language Version. 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 QMF Classic Edition National Language Version.

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 26. Driving System Software Requirements</i>	
Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5694-A01	z/OS V01.07.00 or later
5655-G44	IBM SMP/E for z/OS V03.04.00 or later

5.2 Target System Requirements

This section describes the environment of the target system required to install and use QMF Classic Edition National Language Version.

QMF Classic Edition National Language Version installs in the DBS (P115) 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: An installation requisite is defined as a product that is required and **must** be present or one that is not required but **should** be present on the system for the successful installation of this product.

A mandatory installation requisite identifies products that are required, without exception, or this product **will not install** on your system. This includes products specified as PREs or REQs.

Figure 27. Mandatory Installation Requisites

Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5635-DB2	DB2 V09.01 for z/OS V09.01.00*
5625-DB2	DB2 UDB for z/OS V08.01.00
5675-DB2	DB2 UDB Server for z/OS and OS/390 V07.01.00
Any one of the following (for QMF under CICS only):	
5697-E93	CICS Transaction Server for z/OS V02.03.00
5655-M15	CICS Transaction Server for z/OS V03.01.00

* Note: QMF is a separately-priced feature of DB2 V9.1 for z/OS and although QMF V9 can be used with earlier versions of DB2, you must have a license for DB2 V9.1 for z/OS to use QMF V9 with any supported version of DB2. Refer to the DB2 V9.1 for z/OS announcement letter or see your IBM representative for release information.

A conditional installation requisite identifies products that are **not** required for successful install but may resolve such things as certain warning messages at installation time. They include products that are specified as IF REQs.

QMF Classic Edition National Language Version has no conditional installation requisites.

5.2.2.2 Operational Requisites: An operational requisite is defined as a product that is required and **must** be present or a product that is not required but **should** be present on the system in order for this product to operate all or some of its functions.

A mandatory operational requisite identifies products that are required, without exception, or this product **will not operate** its basic function unless the requisite is met. This includes products specified as PREs or REQs.

<i>Figure 28. Mandatory Operational Requisites</i>	
Program Number	Product Name and Minimum VRM/Service Level
5695-167	GDDM V03.02.00 or later
Any one of the following:	
5635-DB2	DB2 V09.01 for z/OS V09.01.00*
5625-DB2	DB2 UDB for z/OS V08.01.00
5675-DB2	DB2 UDB Server for z/OS and OS/390 V07.01.00
Any one of the following (for QMF under CICS only):	
5697-E93	CICS Transaction Server for z/OS V02.03.00
5655-M15	CICS Transaction Server for z/OS V03.01.00

* Note: QMF is a separately-priced feature of DB2 V9.1 for z/OS and although QMF V9 can be used with earlier versions of DB2, you must have a license for DB2 V9.1 for z/OS to use QMF V9 with any supported version of DB2. Refer to the DB2 V9.1 for z/OS announcement letter or see your IBM representative for release information.

A conditional operational requisite identifies products that are **not required** for the basic function but are needed at run time for this product to utilize specific functions. They may include products specified as IF REQs.

QMF Classic Edition National Language Version has no conditional operational requisites.

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.

QMF Classic Edition National Language Version 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.

QMF Classic Edition National Language Version has no negative requisites.

5.2.3 DASD Storage Requirements

QMF Classic Edition National Language Version libraries can reside on all supported DASD types. The values below are for 3390 DASD.

Figure 29 lists the total space required for each type of library QMF TSO/CICS Base.

<i>Figure 29. Total DASD Space Required by QMF TSO/CICS</i>	
Library Type	Total Space Required
Target	582 tracks
Distribution	672 tracks

Figure 30 lists the total space required for each type of library for Uppercase English.

<i>Figure 30. Total DASD Space Required by National Language Version for Uppercase English</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 31 lists the total space required for each type of library for Danish.

<i>Figure 31. Total DASD Space Required by National Language Version for Danish</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 32 lists the total space required for each type of library for French.

<i>Figure 32 (Page 1 of 2). Total DASD Space Required by National Language Version for French</i>	
Library Type	Total Space Required
Target	353 tracks

<i>Figure 32 (Page 2 of 2). Total DASD Space Required by National Language Version for French</i>	
Library Type	Total Space Required
Distribution	405 tracks

Figure 33 lists the total space required for each type of library for German.

<i>Figure 33. Total DASD Space Required by National Language Version for German</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 34 lists the total space required for each type of library for Italian.

<i>Figure 34. Total DASD Space Required by National Language Version for Italian</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 35 lists the total space required for each type of library for Japanese.

<i>Figure 35. Total DASD Space Required by National Language Version for Japanese</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 36 lists the total space required for each type of library for Korean.

<i>Figure 36. Total DASD Space Required by National Language Version for Korean</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 37 lists the total space required for each type of library for Brazilian Portuguese.

Figure 37. Total DASD Space Required by National Language Version for Brazilian Portuguese

Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 38 lists the total space required for each type of library for Spanish.

Figure 38. Total DASD Space Required by National Language Version for Spanish

Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 39 lists the total space required for each type of library for Swedish.

Figure 39. Total DASD Space Required by National Language Version for Swedish

Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 40 lists the total space required for each type of library for Swiss French.

Figure 40. Total DASD Space Required by National Language Version for Swiss French

Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 41 lists the total space required for each type of library for Swiss German.

Figure 41. Total DASD Space Required by National Language Version for Swiss German

Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

Figure 42 on page 23 lists the total space required for each type of library for Canadian French.

<i>Figure 42. Total DASD Space Required by National Language Version for Canadian French</i>	
Library Type	Total Space Required
Target	353 tracks
Distribution	405 tracks

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. 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. 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. 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 6.1.8, "Allocate SMP/E Target and Distribution Libraries" on page 53.

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.

- 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. All target libraries listed which contain load modules have the following attributes:

- 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.

The following figures describe the target and distribution libraries required to install QMF Classic Edition National Language Version. The storage requirements of QMF Classic Edition National Language Version 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.

If you are installing a National Language in this document, please refer to the following table which associates a lettered language identifier to a National Language. The language identifier is the last character shown in the Storage Requirement figures for the Target, Distribution and Non-SMP/E data set names. This language identifier does not apply to QMF for TSO/CICS.

Figure 43. QMF National Language Identifiers

Language	Language Identifier	FMID
Uppercase English	U	JSQ9951
Danish	Q	JSQ9955
French	F	JSQ9956
German	D	JSQ9957
Italian	I	JSQ9958
Japanese	K	JSQ9959
Korean	H	JSQ995A
Brazilian Portuguese	P	JSQ995B
Spanish	S	JSQ995C
Swedish	V	JSQ995D
Swiss French	Y	JSQ995E
Swiss German	Z	JSQ992F
Canadian French	C	JSQ995G

Note: The QMF TSO/CICS V9.1 Base components for the Target Libraries are listed below. These do not include the National Language Target Libraries. The National Language Target libraries are shown in the Target Library Storage Requirements Table in Figure 44 on page 25. The National Languages are identified by their language identifier defined in Figure 43.

QMF TSO/CICS Base

- SDSQCHRT
- SDSQCLTE
- SDSQDBRM
- SDSQEXCE
- SDSQEXIT
- SDSQLOAD
- SDSQMAPE
- SDSQMLBE
- SDSQPLBE
- SDSQPVRE
- SDSQSAPE
- SDSQSLBE
- SDSQUSRE

Figure 44 (Page 1 of 5). Storage Requirements for QMF Classic Edition and National Language Version 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
SDSQLOAD	LMOD	any	U	PDS	U	0	207	17
SDSQSAPE	Sample	any	U	PDS	FB	80	107	10
SDSQDBRM	Macro	any	U	PDS	FB	80	10	4
SDSQPLBE	Panel	any	U	PDS	FB	80	11	5
SDSQCLTE	CLIST	any	U	PDS	FB	80	34	5
SDSQSLBE	SKEL	any	U	PDS	FB	80	6	5
SDSQMLBE	MSG	any	U	PDS	FB	80	6	5
SDSQEXCE	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRE	Sample	any	U	PDS	FB	80	26	5
SDSQEXIT	Sample	any	U	PDS	U	0	4	5
SDSQCHRT	Data	any	U	PDS	FB	400	2	5
SDSQMAPE	Data	any	U	PDS	FB	400	5	5
SDSQPVRE	Data	any	U	PDS	V	30345	150	5
SDSQSAPU	Sample	any	U	PDS	FB	80	107	10
SDSQPLBU	Panel	any	U	PDS	FB	80	11	5
SDSQCLTU	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBU	MSG	any	U	PDS	FB	80	6	5
SDSQEXCU	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRU	Sample	any	U	PDS	FB	80	26	5
SDSQMAPU	Data	any	U	PDS	FB	400	5	5

Figure 44 (Page 2 of 5). Storage Requirements for QMF Classic Edition and National Language Version 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
SDSQPVRU	Data	any	U	PDS	V	32474	150	5
SDSQSAPQ	Sample	any	U	PDS	FB	80	107	10
SDSQPLBQ	Panel	any	U	PDS	FB	80	11	5
SDSQCLTQ	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBQ	MSG	any	U	PDS	FB	80	6	5
SDSQEXCQ	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRQ	Sample	any	U	PDS	FB	80	26	5
SDSQMAPQ	Data	any	U	PDS	FB	400	5	5
SDSQPVRQ	Data	any	U	PDS	V	32474	150	5
SDSQSAPF	Sample	any	U	PDS	FB	80	107	10
SDSQPLBF	Panel	any	U	PDS	FB	80	11	5
SDSQCLTF	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBF	MSG	any	U	PDS	FB	80	6	5
SDSQEXCF	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRF	Sample	any	U	PDS	FB	80	26	5
SDSQMAPF	Data	any	U	PDS	FB	400	5	5
SDSQPVRF	Data	any	U	PDS	V	32474	150	5
SDSQSAPD	Sample	any	U	PDS	FB	80	107	10
SDSQPLBD	Panel	any	U	PDS	FB	80	11	5
SDSQCLTD	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBD	MSG	any	U	PDS	FB	80	6	5
SDSQEXCD	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRD	Sample	any	U	PDS	FB	80	26	5
SDSQMAPD	Data	any	U	PDS	FB	400	5	5
SDSQPVRD	Data	any	U	PDS	V	32474	150	5
SDSQSAPI	Sample	any	U	PDS	FB	80	107	10
SDSQPLBI	Panel	any	U	PDS	FB	80	11	5
SDSQCLTI	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBI	MSG	any	U	PDS	FB	80	6	5

Figure 44 (Page 3 of 5). Storage Requirements for QMF Classic Edition and National Language Version 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
SDSQEXCI	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRI	Sample	any	U	PDS	FB	80	26	5
SDSQMAPI	Data	any	U	PDS	FB	400	5	5
SDSQPVRI	Data	any	U	PDS	V	32474	150	5
SDSQSAPK	Sample	any	U	PDS	FB	80	107	10
SDSQPLBK	Panel	any	U	PDS	FB	80	11	5
SDSQCLTK	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBK	MSG	any	U	PDS	FB	80	6	5
SDSQEXCK	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRK	Sample	any	U	PDS	FB	80	26	5
SDSQMAPK	Data	any	U	PDS	FB	400	5	5
SDSQPVRK	Data	any	U	PDS	V	32474	150	5
SDSQSAPH	Sample	any	U	PDS	FB	80	107	10
SDSQPLBH	Panel	any	U	PDS	FB	80	11	5
SDSQCLTH	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBH	MSG	any	U	PDS	FB	80	6	5
SDSQEXCH	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRH	Sample	any	U	PDS	FB	80	26	5
SDSQMAPH	Data	any	U	PDS	FB	400	5	5
SDSQPVRH	Data	any	U	PDS	V	32474	150	5
SDSQSAPP	Sample	any	U	PDS	FB	80	107	10
SDSQPLBP	Panel	any	U	PDS	FB	80	11	5
SDSQCLTP	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBP	MSG	any	U	PDS	FB	80	6	5
SDSQEXCP	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRP	Sample	any	U	PDS	FB	80	26	5
SDSQMAPP	Data	any	U	PDS	FB	400	5	5
SDSQPVRP	Data	any	U	PDS	V	32474	150	5
SDSQSAPS	Sample	any	U	PDS	FB	80	107	10

Figure 44 (Page 4 of 5). Storage Requirements for QMF Classic Edition and National Language Version 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
SDSQPLBS	Panel	any	U	PDS	FB	80	11	5
SDSQCLTS	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBS	MSG	any	U	PDS	FB	80	6	5
SDSQEXCS	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRS	Sample	any	U	PDS	FB	80	26	5
SDSQMAPS	Data	any	U	PDS	FB	400	5	5
SDSQPVRS	Data	any	U	PDS	V	32474	150	5
SDSQSAPV	Sample	any	U	PDS	FB	80	107	10
SDSQPLBV	Panel	any	U	PDS	FB	80	11	5
SDSQCLTV	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBV	MSG	any	U	PDS	FB	80	6	5
SDSQEXCV	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRV	Sample	any	U	PDS	FB	80	26	5
SDSQMAPV	Data	any	U	PDS	FB	400	5	5
SDSQPVRV	Data	any	U	PDS	V	32474	150	5
SDSQSAPY	Sample	any	U	PDS	FB	80	107	10
SDSQPLBY	Panel	any	U	PDS	FB	80	11	5
SDSQCLTY	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBY	MSG	any	U	PDS	FB	80	6	5
SDSQEXCY	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRY	Sample	any	U	PDS	FB	80	26	5
SDSQMAPY	Data	any	U	PDS	FB	400	5	5
SDSQPVRY	Data	any	U	PDS	V	32474	150	5
SDSQSAPZ	Sample	any	U	PDS	FB	80	107	10
SDSQPLBZ	Panel	any	U	PDS	FB	80	11	5
SDSQCLTZ	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBZ	MSG	any	U	PDS	FB	80	6	5
SDSQEXCZ	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRZ	Sample	any	U	PDS	FB	80	26	5

Figure 44 (Page 5 of 5). Storage Requirements for QMF Classic Edition and National Language Version 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
SDSQMAPZ	Data	any	U	PDS	FB	400	5	5
SDSQPVRZ	Data	any	U	PDS	V	32474	150	5
SDSQSAPC	Sample	any	U	PDS	FB	80	107	10
SDSQPLBC	Panel	any	U	PDS	FB	80	11	5
SDSQCLTC	CLIST	any	U	PDS	FB	80	34	5
SDSQMLBC	MSG	any	U	PDS	FB	80	6	5
SDSQEXCC	EXEC	any	U	PDS	FB	80	14	5
SDSQUSRC	Sample	any	U	PDS	FB	80	26	5
SDSQMAPC	Data	any	U	PDS	FB	400	5	5
SDSQPVRC	Data	any	U	PDS	V	32474	150	5

Note: The QMF TSO/CICS V9.1 Base components for the Distribution Libraries are listed below. These do not include the National Language Distribution Libraries. The National Language Distribution libraries are shown in the Distribution Library Storage Requirements Table in Figure 45. The National Languages are identified by their language identifier defined in Figure 43.

QMF TSO/CICS Base

- ADSQCHRT • ADSQMACE • ADSQOBJ • ADSQPVRE
- ADSQDBMD • ADSQMAPE • ADSQPMSE

Figure 45 (Page 1 of 3). Storage Requirements for QMF Classic Edition and National Language Version 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
ADSQOBJ	U	PDS	U	0	253	132
ADSQMACE	U	PDS	FB	80	234	15
ADSQPMSE	U	PDS	FB	80	16	5
ADSQDBMD	U	PDS	FB	80	11	5
ADSQCHRT	U	PDS	FB	400	3	5

Figure 45 (Page 2 of 3). Storage Requirements for QMF Classic Edition and National Language Version 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
ADSQMAPE	U	PDS	FB	400	5	5
ADSQPVRE	U	PDS	V	30345	150	5
ADSQMACU	U	PDS	FB	80	234	15
ADSQPMSU	U	PDS	FB	80	16	5
ADSQMAPU	U	PDS	FB	400	5	5
ADSQPVRU	U	PDS	V	32474	150	5
ADSQMACQ	U	PDS	FB	80	234	15
ADSQPMSQ	U	PDS	FB	80	16	5
ADSQMAPQ	U	PDS	FB	400	5	5
ADSQPVRQ	U	PDS	V	32474	150	5
ADSQMACF	U	PDS	FB	80	234	15
ADSQPMSF	U	PDS	FB	80	16	5
ADSQMAPF	U	PDS	FB	400	5	5
ADSQPVRF	U	PDS	V	32474	150	5
ADSQMACD	U	PDS	FB	80	234	15
ADSQPMSD	U	PDS	FB	80	16	5
ADSQMAPD	U	PDS	FB	400	5	5
ADSQPVRD	U	PDS	V	32474	150	5
ADSQMACI	U	PDS	FB	80	234	15
ADSQPMSI	U	PDS	FB	80	16	5
ADSQMAPI	U	PDS	FB	400	5	5
ADSQPVRI	U	PDS	V	32474	150	5
ADSQMACK	U	PDS	FB	80	234	15
ADSQPMSK	U	PDS	FB	80	16	5
ADSQMAPK	U	PDS	FB	400	5	5
ADSQPVRK	U	PDS	V	32474	150	5
ADSQMACH	U	PDS	FB	80	234	15
ADSQPMSH	U	PDS	FB	80	16	5
ADSQMAPH	U	PDS	FB	400	5	5

Figure 45 (Page 3 of 3). Storage Requirements for QMF Classic Edition and National Language Version 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
ADSQPVRH	U	PDS	V	32474	150	5
ADSQMACP	U	PDS	FB	80	234	15
ADSQPMSP	U	PDS	FB	80	16	5
ADSQMAPP	U	PDS	FB	400	5	5
ADSQPVRP	U	PDS	V	32474	150	5
ADSQMACS	U	PDS	FB	80	234	15
ADSQPMSS	U	PDS	FB	80	16	5
ADSQMAPS	U	PDS	FB	400	5	5
ADSQPVRS	U	PDS	V	32474	150	5
ADSQMACV	U	PDS	FB	80	234	15
ADSQPMSV	U	PDS	FB	80	16	5
ADSQMAPV	U	PDS	FB	400	5	5
ADSQPVRV	U	PDS	V	32474	150	5
ADSQMACY	U	PDS	FB	80	234	15
ADSQPMSY	U	PDS	FB	80	16	5
ADSQMAPY	U	PDS	FB	400	5	5
ADSQPVRY	U	PDS	V	32474	150	5
ADSQMACZ	U	PDS	FB	80	234	15
ADSQPMSZ	U	PDS	FB	80	16	5
ADSQMAPZ	U	PDS	FB	400	5	5
ADSQPVRZ	U	PDS	V	32474	150	5
ADSQMACC	U	PDS	FB	80	234	15
ADSQPMSC	U	PDS	FB	80	16	5
ADSQMAPC	U	PDS	FB	400	5	5
ADSQPVRC	U	PDS	V	32474	150	5

The following figures list data sets that are not used by SMP/E, but are required for QMF Classic Edition National Language Version to execute.

Note: The QMF TSO/CICS V9.1 Base Non-SMP/E data set is, DSQPNLE. The Non-SMP/E Data Sets for the National Languages are shown in the Non-SMP/E Storage Requirements Table in Figure 46 on page 32. These data sets are identified by their language identifier defined in Figure 43.

Note: For information pertaining to the usage of the VSAM panel data sets below, please refer to Section 6.2, “Activating QMF Classic Edition National Language Version” on page 57.

Figure 46. Storage Requirements for QMF Classic Edition and National Language Version Non-SMP/E Data Sets

Data Set Name	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
DSQPNLE	U	VSAM	VS	32756	135	-
DSQPNLU	U	VSAM	VS	32756	135	-
DSQPNLQ	U	VSAM	VS	32756	135	-
DSQPNLF	U	VSAM	VS	32756	135	-
DSQPNLD	U	VSAM	VS	32756	135	-
DSQPNLI	U	VSAM	VS	32756	135	-
DSQPNLK	U	VSAM	VS	32756	135	-
DSQPNLH	U	VSAM	VS	32756	135	-
DSQPNLP	U	VSAM	VS	32756	135	-
DSQPNLS	U	VSAM	VS	32756	135	-
DSQPNLV	U	VSAM	VS	32756	135	-
DSQPNLY	U	VSAM	VS	32756	135	-
DSQPNLZ	U	VSAM	VS	32756	135	-
DSQPNLC	U	VSAM	VS	32756	135	-

5.3 FMIDs Deleted

Installing QMF Classic Edition National Language Version 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 QMF Classic Edition National Language Version 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

QMF Classic Edition National Language Version has no special considerations for the target system.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of QMF Classic Edition National Language Version.

Please note the following:

- If you want to install QMF Classic Edition National Language Version 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.
- 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.

Note: Upon completion of the installation for QMF Classic Edition National Language Version please refer to Section 6.2, “Activating QMF Classic Edition National Language Version” on page 57 for required activation steps.

6.1 Installing QMF Classic Edition National Language Version

6.1.1 SMP/E Considerations for Installing QMF Classic Edition National Language Version

This release of QMF Classic Edition National Language Version 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.

Sample jobs are provided to assist you in installing QMF Classic Edition National Language Version. After the RECEIVE step has been completed, the sample jobs can be found in SMPTLIB:

- IBM.HSQ9910.F3 - QMF TSO/CICS Base
- IBM.JSQ9951.F3 - Uppercase English
- IBM.JSQ9955.F3 - Danish
- IBM.JSQ9956.F3 - French
- IBM.JSQ9957.F3 - German
- IBM.JSQ9958.F3 - Italian
- IBM.JSQ9959.F3 - Japanese
- IBM.JSQ995A.F3 - Korean
- IBM.JSQ995B.F3 - Brazilian Portuguese
- IBM.JSQ995C.F3 - Spanish
- IBM.JSQ995D.F3 - Swedish

- IBM.JSQ995E.F3 - Swiss French
- IBM.JSQ995F.F3 - Swiss German
- IBM.JSQ995G.F3 - Canadian French

Make a copy of these jobs in your own library and modify them to use during the installation of QMF Classic Edition National Language Version.

6.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 47. 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.

<i>Figure 47. SMP/E Options Subentry Values</i>		
SUB-ENTRY	Value	Comment
DSSPACE	(210,210,520)	3390 DASD tracks
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX

6.1.3 SMP/E CALLLIBS and SIDE DECK PROCESSING

QMF Classic Edition National Language Version uses the SMP/E provided functions CALLLIBS and Side Deck processing to resolve external references for link-edit during installation. When QMF Classic Edition National Language Version is installed, ensure that DDDEFs exist for the following libraries:

- SCEELKED
- SDFHLOAD
- SDSNLOAD
- SDSQLOAD

6.1.4 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install QMF Classic Edition National Language Version:

Note: QMF TSO/CICS Base is a prerequisite for QMF for TSO/CICS National Language Version.

Enterprise Edition (QMF TSO/CICS Base)

<i>Figure 48 (Page 1 of 2). Sample Installation Jobs for QMF TSO/CICS Base</i>			
Job Name	Job Type	Description	RELFILE
DSQ1BALA	SMP/E	Sample job to allocate and initialize a new SMP/E CSI data set (Optional)	IBM.HSQ9910.F3

Figure 48 (Page 2 of 2). Sample Installation Jobs for QMF TSO/CICS Base

Job Name	Job Type	Description	RELFILE
DSQ1BALB	SMP/E	Sample job to allocate SMP/E data sets (Optional)	IBM.HSQ9910.F3
DSQ1EJRC	RECEIVE	Sample RECEIVE job	IBM.HSQ9910.F3
DSQ1EJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HSQ9910.F3
DSQ1EDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HSQ9910.F3
DSQ1EJAP	APPLY	Sample APPLY job	IBM.HSQ9910.F3
DSQ1EJAC	ACCEPT	Sample ACCEPT job	IBM.HSQ9910.F3

You may access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 48 on page 35 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.HSQ9910.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.HSQ9910.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jc1-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1BALA,DSQ1BALB)
SELECT MEMBER=(DSQ1EJRC,DSQ1EJAL,DSQ1EDEF,DSQ1EJAP,DSQ1EJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.HSQ9910.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Uppercase English

<i>Figure 49. Sample Installation Jobs for Uppercase English</i>			
Job Name	Job Type	Description	RELFIL
DSQ1UJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9951.F3
DSQ1UJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9951.F3
DSQ1UDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9951.F3
DSQ1UJAP	APPLY	Sample APPLY job	IBM.JSQ9951.F3
DSQ1UJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9951.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 49 on page 37 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9951.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9951.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1UJRC,DSQ1UJAL,DSQ1UDEF,DSQ1UJAP,DSQ1UJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9951.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Danish

Job Name	Job Type	Description	RELFILE
DSQ1QJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9955.F3
DSQ1QJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9955.F3
DSQ1QDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9955.F3
DSQ1QJAP	APPLY	Sample APPLY job	IBM.JSQ9955.F3
DSQ1QJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9955.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 50 on page 38 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9955.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9955.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
```

```

COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1QJRC,DSQ1QJAL,DSQ1QDEF,DSQ1QJAP,DSQ1QJAC)
/*

```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9955.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for French

<i>Figure 51. Sample Installation Jobs for French</i>			
Job Name	Job Type	Description	RELFILE
DSQ1FJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9956.F3
DSQ1FJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9956.F3
DSQ1FDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9956.F3
DSQ1FJAP	APPLY	Sample APPLY job	IBM.JSQ9956.F3
DSQ1FJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9956.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 51 on page 39 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9956.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9956.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1FJRC,DSQ1FJAL,DSQ1FDEF,DSQ1FJAP,DSQ1FJAC)
/*

```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9956.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for German

Figure 52. Sample Installation Jobs for German

Job Name	Job Type	Description	RELFILE
DSQ1DJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9957.F3
DSQ1DJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9957.F3
DSQ1DDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9957.F3
DSQ1DJAP	APPLY	Sample APPLY job	IBM.JSQ9957.F3
DSQ1DJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9957.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 52 on page 40 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9957.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9957.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1DJRC,DSQ1DJAL,DSQ1DDEF,DSQ1DJAP,DSQ1DJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9957.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Italian

<i>Figure 53 (Page 1 of 2). Sample Installation Jobs for Italian</i>			
Job Name	Job Type	Description	RELFILE
DSQ1IJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9958.F3

Figure 53 (Page 2 of 2). Sample Installation Jobs for Italian

Job Name	Job Type	Description	RELFILE
DSQ1IJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9958.F3
DSQ1IDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9958.F3
DSQ1IJAP	APPLY	Sample APPLY job	IBM.JSQ9958.F3
DSQ1IJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9958.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 53 on page 41 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9958.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9958.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSN=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1IJRC,DSQ1IJAL,DSQ1IDEF,DSQ1IJAP,DSQ1IJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9958.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Japanese

Figure 54. Sample Installation Jobs for Japanese

Job Name	Job Type	Description	RELFILE
DSQ1KJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ9959.F3
DSQ1KJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ9959.F3
DSQ1KDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ9959.F3
DSQ1KJAP	APPLY	Sample APPLY job	IBM.JSQ9959.F3
DSQ1KJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ9959.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 54 on page 43 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ9959.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ9959.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jc1-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1KJRC,DSQ1KJAL,DSQ1KDEF,DSQ1KJAP,DSQ1KJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ9959.F3 is on the tape.
If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Korean

<i>Figure 55. Sample Installation Jobs for Korean</i>			
Job Name	Job Type	Description	RELFILE
DSQ1HJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995A.F3
DSQ1HJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995A.F3
DSQ1HDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995A.F3
DSQ1HJAP	APPLY	Sample APPLY job	IBM.JSQ995A.F3
DSQ1HJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995A.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 55 on page 44 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995A.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995A.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1HJRC,DSQ1HJAL,DSQ1HDEF,DSQ1HJAP,DSQ1HJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995A.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSD

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Brazilian Portuguese

<i>Figure 56. Sample Installation Jobs for Brazilian Portuguese</i>			
Job Name	Job Type	Description	RELFILE
DSQ1PJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995B.F3
DSQ1PJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995B.F3
DSQ1PDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995B.F3
DSQ1PJAP	APPLY	Sample APPLY job	IBM.JSQ995B.F3
DSQ1PJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995B.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 56 on page 45 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995B.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995B.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
```

```
//          SPACE=(TRK,(15,10,5))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
          COPY INDD=xxxxIN,OUTDD=OUT
          SELECT MEMBER=(DSQ1PJRC,DSQ1PJAL,DSQ1PDEF,DSQ1PJAP,DSQ1PJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995B.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Spanish

Figure 57. Sample Installation Jobs for Spanish

Job Name	Job Type	Description	RELFILE
DSQ1SJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995C.F3
DSQ1SJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995C.F3
DSQ1SDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995C.F3
DSQ1SJAP	APPLY	Sample APPLY job	IBM.JSQ995C.F3
DSQ1SJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995C.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 57 on page 46 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995C.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995C.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1SJRC,DSQ1SJAL,DSQ1SDEF,DSQ1SJAP,DSQ1SJAC)
/*

```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995C.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Swedish

<i>Figure 58. Sample Installation Jobs for Swedish</i>			
Job Name	Job Type	Description	RELFILE
DSQ1VJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995D.F3
DSQ1VJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995D.F3
DSQ1VDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995D.F3
DSQ1VJAP	APPLY	Sample APPLY job	IBM.JSQ995D.F3
DSQ1VJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995D.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 58 on page 47 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995D.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995D.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1VJRC,DSQ1VJAL,DSQ1VDEF,DSQ1VJAP,DSQ1VJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995D.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Swiss French

Figure 59 (Page 1 of 2). Sample Installation Jobs Swiss French

Job Name	Job Type	Description	RELFILE
DSQ1YJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995E.F3

Figure 59 (Page 2 of 2). Sample Installation Jobs Swiss French

Job Name	Job Type	Description	RELFILE
DSQ1YJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995E.F3
DSQ1YDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995E.F3
DSQ1YJAP	APPLY	Sample APPLY job	IBM.JSQ995E.F3
DSQ1YJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995E.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 59 on page 48 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995E.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995E.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSN=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1YJRC,DSQ1YJAL,DSQ1YDEF,DSQ1YJAP,DSQ1YJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995E.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Swiss German

Figure 60. Sample Installation Jobs for Swiss German

Job Name	Job Type	Description	RELFIL
DSQ1ZJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995F.F3
DSQ1ZJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995F.F3
DSQ1ZDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995F.F3
DSQ1ZJAP	APPLY	Sample APPLY job	IBM.JSQ995F.F3
DSQ1ZJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995F.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 60 on page 50 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995F.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995F.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1ZJRC,DSQ1ZJAL,DSQ1ZDEF,DSQ1ZJAP,DSQ1ZJAC)
/*

```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995F.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

National Language Version for Canadian French

<i>Figure 61. Sample Installation Jobs for Canadian French</i>			
Job Name	Job Type	Description	RELFILE
DSQ1CJRC	RECEIVE	Sample RECEIVE job	IBM.JSQ995G.F3
DSQ1CJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.JSQ995G.F3
DSQ1CDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.JSQ995G.F3
DSQ1CJAP	APPLY	Sample APPLY job	IBM.JSQ995G.F3
DSQ1CJAC	ACCEPT	Sample ACCEPT job	IBM.JSQ995G.F3

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 61 on page 51 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. 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=*
//TAPEIN DD DSN=IBM.JSQ995G.F3,UNIT=tunit,
// VOL=SER=volser,LABEL=(x,SL),
// DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.JSQ995G.F3,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// SPACE=(TRK,(15,10,5))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=(DSQ1CJRC,DSQ1CJAL,DSQ1CDEF,DSQ1CJAP,DSQ1CJAC)
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.JSQ995G.F3 is on the tape.

If using FILEIN

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 will be stored.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

6.1.5 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 DSQ1BALA to allocate the SMP/E data set for QMF Classic Edition National Language Version.

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

6.1.6 Initialize CSI zones (Optional)

Edit and submit sample job DSQ1BALB to initialize SMP/E zones for QMF Classic Edition National Language Version. 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.

6.1.7 Perform SMP/E RECEIVE

Note: If you obtained QMF Classic Edition National Language Version as part of a CBPDO, use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the QMF Classic Edition National Language Version 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.

You can also choose to edit and submit the sample job below to perform the SMP/E RECEIVE for QMF TSO/CICS Base and the National Language Version you have selected. Consult the instructions in the sample job for more information.

- DSQ1EJRC - for QMF TSO/CICS Base (**Mandatory**)
- DSQ1UJRC - for National Language Version for Uppercase English
- DSQ1QJRC - for National Language Version for Danish
- DSQ1FJRC - for National Language Version for French
- DSQ1DJRC - for National Language Version for German
- DSQ1IJRC - for National Language Version for Italian
- DSQ1KJRC - for National Language Version for Japanese
- DSQ1HJRC - for National Language Version for Korean
- DSQ1PJRC - for National Language Version for Brazilian Portuguese
- DSQ1SJRC - for National Language Version for Spanish
- DSQ1VJRC - for National Language Version for Swedish
- DSQ1YJRC - for National Language Version for Swiss French
- DSQ1ZJRC - for National Language Version for Swiss German
- DSQ1CJRC - for National Language Version for Canadian French

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

6.1.8 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job below to allocate the SMP/E target and distribution libraries for QMF TSO/CICS Base and the National Language Version you have selected. Consult the instructions in the sample job for more information.

- DSQ1EJAL - for QMF TSO/CICS Base (**Mandatory**)
- DSQ1UJAL - for National Language Version for Uppercase English
- DSQ1QJAL - for National Language Version for Danish

- DSQ1FJAL - for National Language Version for French
- DSQ1DJAL - for National Language Version for German
- DSQ1IJAL - for National Language Version for Italian
- DSQ1KJAL - for National Language Version for Japanese
- DSQ1HJAL - for National Language Version for Korean
- DSQ1PJAL - for National Language Version for Brazilian Portuguese
- DSQ1SJAL - for National Language Version for Spanish
- DSQ1VJAL - for National Language Version for Swedish
- DSQ1YJAL - for National Language Version for Swiss French
- DSQ1ZJAL - for National Language Version for Swiss German
- DSQ1CJAL - for National Language Version for Canadian French

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

6.1.9 Create DDDEF Entries

Edit and submit sample job below to create DDDEF entries for the SMP/E target and distribution libraries for QMF TSO/CICS Base and the National Language Version you have selected. Consult the instructions in the sample job for more information.

- DSQ1EDEF - for QMF TSO/CICS Base **(Mandatory)**
- DSQ1UDEF - for National Language Version for Uppercase English
- DSQ1QDEF - for National Language Version for Danish
- DSQ1FDEF - for National Language Version for French
- DSQ1DDEF - for National Language Version for German
- DSQ1IDEF - for National Language Version for Italian
- DSQ1KDEF - for National Language Version for Japanese
- DSQ1HDEF - for National Language Version for Korean
- DSQ1PDEF - for National Language Version for Brazilian Portuguese
- DSQ1SDEF - for National Language Version for Spanish
- DSQ1VDEF - for National Language Version for Swedish
- DSQ1YDEF - for National Language Version for Swiss French
- DSQ1ZDEF - for National Language Version for Swiss German
- DSQ1CDEF - for National Language Version for Canadian French

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

6.1.10 Perform SMP/E APPLY

Edit and submit sample job below to perform an SMP/E APPLY CHECK for QMF TSO/CICS Base and the National Language Version you have selected. Consult the instructions in the sample job for more information.

- DSQ1EJAP - for QMF TSO/CICS Base **(Mandatory)**
- DSQ1UJAP - for National Language Version for Uppercase English
- DSQ1QJAP - for National Language Version for Danish

- DSQ1FJAP - for National Language Version for French
- DSQ1DJAP - for National Language Version for German
- DSQ1IJAP - for National Language Version for Italian
- DSQ1KJAP - for National Language Version for Japanese
- DSQ1HJAP - for National Language Version for Korean
- DSQ1PJAP - for National Language Version for Brazilian Portuguese
- DSQ1SJAP - for National Language Version for Spanish
- DSQ1VJAP - for National Language Version for Swedish
- DSQ1YJAP - for National Language Version for Swiss French
- DSQ1ZJAP - for National Language Version for Swiss German
- DSQ1CJAP - for National Language Version for Canadian French

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).

Enhanced HOLDDATA introduced ERROR HOLDS against FMIDs for HIPER APARs. Prior to installing, you should ensure you have the latest Enhanced HOLDDATA (available at url <http://service.software.ibm.com/holdata/390holddata.html>). The FMID(s) should be installed regardless of the status of unresolved HIPERs, however, the software should not be deployed until the unresolved HIPERs have been analyzed to determine applicability.

There are two methods to complete an FMID installation where ++HOLDS for HIPERs exist for the FMID(s) being installed:

1. To ensure that all recommended and critical service is installed with the FMID(s), add the SOURCEIDs of PRP, HIPER, and RSU* to the APPLY command. There may be PE or HIPER APARs that do not have resolving PTFs available yet. You need to analyze the symptom flags to determine if you want to BYPASS the specific ERROR HOLDS and continue the FMID installation.

```
APPLY S(fmid,fmid,...)
FORFMID(fmid,fmid,...)
SOURCEID(PRP,HIPER,...)
GROUPEXTEND .
```

This method requires more initial research, but will provide resolution for all HIPERs that have fixes available and are not in a PE chain. There may still be unresolved PEs or HIPERs which will require the use of BYPASS.

2. To install the FMID(s) as it would have been installed prior to Enhanced HOLDDATA, you can add a BYPASS(HOLDCLASS(HIPER)) operand to the APPLY command. This will allow the FMID to be installed even though there are HIPER ERROR HOLDS against it. Note that not all ERROR HOLDS were bypassed, only the HIPER ERROR HOLDS. After the FMID(s) are installed, the SMP/E REPORT ERRSYSMODS command should be run to identify any missing HIPER maintenance.

```
APPLY S(fmid,fmid,...)
BYPASS(HOLDCLASS(HIPER)).
```

This method is the quicker of the two, but requires subsequent review of the REPORT ERRSYSMODS to investigate any HIPERs.

If you bypass any HOLDs during the installation of the FMID(s) because fixing PTFs were not yet available you can use the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink to be notified when the fixing PTF is available.

Once you have taken any actions 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 apply 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 this job runs correctly.

Expected Return Codes and Messages from APPLY: You will receive a return code 4 or less, if this job runs correctly. The job may issue the following messages which do not affect product installation: GIM23903I, GIM23903W or GIM23913W and IEW2454W.

6.1.11 Perform SMP/E ACCEPT

Edit and submit sample job below to perform an SMP/E ACCEPT CHECK for QMF TSO/CICS Base and the National Language Version you have selected. Consult the instructions in the sample job for more information.

- DSQ1EJAC - for QMF TSO/CICS Base (**Mandatory**)
- DSQ1UJAC - for National Language Version for Uppercase English
- DSQ1QJAC - for National Language Version for Danish
- DSQ1FJAC - for National Language Version for French
- DSQ1DJAC - for National Language Version for German
- DSQ1IJAC - for National Language Version for Italian
- DSQ1KJAC - for National Language Version for Japanese
- DSQ1HJAC - for National Language Version for Korean
- DSQ1PJAC - for National Language Version for Brazilian Portuguese
- DSQ1SJAC - for National Language Version for Spanish
- DSQ1VJAC - for National Language Version for Swedish
- DSQ1YJAC - for National Language Version for Swiss French
- DSQ1ZJAC - for National Language Version for Swiss German
- DSQ1CJAC - for National Language Version for Canadian French

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).

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.

Once you have taken any actions 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 accept 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 this job runs correctly.

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.

Expected Return Codes and Messages from ACCEPT if no PTFs are being installed: You will receive a return code of 0 if this job runs correctly.

6.1.12 Run REPORT CROSSZONE

The SMP/E REPORT CROSSZONE command will identify requisites defined for products that have been installed in separate zones. This command will also create APPLY and ACCEPT commands in the SMPPUNCH data set which you can use to install those cross-zone requisites it identifies.

After you have installed QMF Classic Edition National Language Version, 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 describing all the target and distribution libraries to be reported on.

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

6.2 Activating QMF Classic Edition National Language Version

Once you have run the APPLY and/or ACCEPT and your SMP/E installation is completed for QMF Classic Edition National Language Version, the QMF VSAM panel library, must be populated. The VSAM panel library dataset was created when the job(s) were run from section 6.1.8, "Allocate SMP/E Target and Distribution Libraries" on page 53 of this Program Directory. Run the corresponding job for each QMF National Language Version being accessed.

Note!

To perform this task, edit and run job:

- SDSQSAPE(DSQ1EPNL): For QMF TSO/CICS Base, this job will copy SDSQPVRE(DSQPNLE) to the VSAM panel data set DSQPNLE.
- SDSQSAPU(DSQ1UPNL): For Uppercase English, this job will copy SDSQPVRU(DSQPNLU) to the VSAM panel data set DSQPNLU.
- SDSQSAPQ(DSQ1QPNL): For Danish, this job will copy SDSQPVRQ(DSQPNLQ) to the VSAM panel data set DSQPNLQ.
- SDSQSAPF(DSQ1FPNL): For French, this job will copy SDSQPVRF(DSQPNLF) to the VSAM panel data set DSQPNLF.
- SDSQSAPD(DSQ1DPNL): For German, this job will copy SDSQPVRD(DSQPNLD) to the VSAM panel data set DSQPNLD.
- SDSQSAPI(DSQ1IPNL): For Italian, this job will copy SDSQPVRI(DSQPNLI) to the VSAM panel data set DSQPNLI.
- SDSQSAPK(DSQ1KPNL): For Japanese, this job will copy SDSQPVRK(DSQPNLK) to the VSAM panel data set DSQPNLK.
- SDSQSAPH(DSQ1HPNL): For Korean, this job will copy SDSQPVRH(DSQPNLH) to the VSAM panel data set DSQPNLH.
- SDSQSAPP(DSQ1PPNL): For Brazilian Portuguese, this job will copy SDSQPVRP(DSQPNLP) to the VSAM panel data set DSQPNLP.
- SDSQSAPS(DSQ1SPNL): For Spanish, this job will copy SDSQPVRS(DSQPNLS) to the VSAM panel data set DSQPNLS.
- SDSQSAPV(DSQ1VPNL): For Swedish, this job will copy SDSQPVRV(DSQPNLV) to the VSAM panel data set DSQPNLV.
- SDSQSAPY(DSQ1YPNL): For Swiss French, this job will copy SDSQPVRV(DSQPNLY) to the VSAM panel data set DSQPNLY.
- SDSQSAPZ(DSQ1ZPNL): For Swiss German, this job will copy SDSQPVRZ(DSQPNLZ) to the VSAM panel data set DSQPNLZ.
- SDSQSAPC(DSQ1CPNL): For Canadian French, this job will copy SDSQPVRC(DSQPNLC) to the VSAM panel data set DSQPNLC.

After this job has completed successfully, refer to the publication, *Installing and Managing DB2 QMF for TSO/CICS, GC18-9684*, which contains the step-by-step procedures to activate QMF Classic Edition National Language Version.

Note: QMF for TSO/CICS users should reference the GDDM/MVS Program Directory GC33-1801 for further information on GDDM enablement and activation. Be sure to test the GDDM base installation following the process outlined in the GDDM Program Directory before trying to run QMF for TSO/CICS.

7.0 Notices

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Reader's Comments

Program Directory for QMF Classic Edition National Language Version, March 2007

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very satisfied	<----->	very dissatisfied	not applicable		
1	2 3 4	5	N		

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

How did you order this product?

- CBPDO
- CustomPac
- ServerPac
- Independent
- Other

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

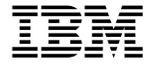
- Yes
- No

Were the people who did the installation experienced with the installation of z/OS products?

- Yes

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