

Program Directory for IBM DB2 UDB for OS/390 and z/OS QMF Base and National Language Version

(QMF V7.2.0 feature of DB2 V7.1.0)

Version 07 Release 01, Modification Level 00

Program Number 5675-DB2

for Use with OS/390 and z/OS

Document Date: March 2002

GI10-8222-01

- Note! -

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

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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 for OS/390 and z/OS Base and National Language Version. This publication refers to QMF for OS/390 and z/OS Base and National Language Version as QMF Base and NLV. You should read all of this program directory before installing the program and then keep it for future reference.

The program directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic and optional program materials and documentation for QMF Base and NLV.
- 3.0, "Program Support" on page 14 describes the IBM support available for QMF Base and NLV.
- 4.0, "Program and Service Level Information" on page 17 lists the APARs (program level) and PTFs (service level) incorporated into QMF Base and NLV.
- 5.0, "Installation Requirements and Considerations" on page 18 identifies the resources and considerations for installing and using QMF Base and NLV.
- 6.0, "Installation Instructions" on page 29 provides detailed installation instructions for QMF Base and NLV. It also describes the procedures for activating the functions of QMF Base and NLV, or refers to appropriate publications.

Before installing QMF Base and NLV, read 3.2, "Preventive Service Planning" on page 14. This section tells you how to find any updates to the information and procedures in this program directory.

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

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

1.1 QMF for OS/390 and z/OS Base and National Language Version Description

This document refers to the Base English QMF for OS/390 and z/OS product as well as the QMF National Language (translated) Version 7 Release 2 product.

IBM Query Management Facility (QMF) is a tightly integrated, powerful, and reliable tool that performs query and reporting for IBM's DB2 Relational Database Management System Family. It offers an

easy-to-learn interactive interface. Users with little or no data processing experience can easily retrieve, create, update, insert, or delete data that is stored in DB2.

QMF offers a total solution that includes accessing large amounts of data and sharing central repositories of queries and enterprise reports. Additionally, it allows you to implement tightly-controlled, distributed, or client/server solutions. You also can use QMF to publish reports on the Internet.

Either of the following is a fully functional QMF Version 7 Release 2 Product:

- Base English QMF for OS/390 and z/OS
- Base English QMF for OS/390 and z/OS in conjunction with at least one National Language Version

Note: You must have the Base English product installed in order to use the National Language Version.

1.2 QMF Base and NLV FMIDs

QMF Base and NLV consists of the following FMIDs:

HSQ7720 JSQ7721 JSQ7725 JSQ7726 JSQ7727 JSQ7728 JSQ7729 JSQ7728 JSQ772B JSQ772C JSQ772C JSQ772C JSQ772F JSQ772G

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for QMF Base and NLV is 5675-DB2.

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

The program announcement material describes the features supported by QMF Base and NLV. 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 29 for more information about how to install the program.

Figure 1 describes the physical tape. Figure 2 on page 4 describes the file content.

Notes:

- 1. The data set attributes in these tables 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.
- If you are installing QMF Base and NLV using the Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), some of the information in these figures may not be valid. Consult the CBPDO documentation for actual values.
- 3. If any RELFILEs are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

	Feature	Physical		R/M	
Medium	Number	Volume	External Label	*	VOLSEF
6250 Tape	6236	1 of 2	QMF BASE	N	SQ7720
	6233	2 of 2	QMF ENP	"	SQ77NL
	6227	"	QMF DAN	"	"
	6224	"	QMF FRA	"	"
	6194	"	QMF DEU	"	"
	6197	"	QMF ITA	"	"
	6221	"	QMF JPN	"	"
	6200	"	QMF KOR	"	"
	6218	"	QMF PTB	"	"
	6203	"	QMF ESP	"	"
	6206	"	QMF SVE	"	"
	6209	"	QMF FRS	"	"
	6212	"	QMF DES		"
	6212	2 of 2	QMF FRC	Ν	"
3480 Tape	6234	1 of 2	QMF BASE	N	SQ7720
	6231	2 of 2	QMF ENP	"	SQ77NI
	6225	"	QMF DAN	"	"
	6222	"	QMF FRA	"	"
	6192	"	QMF DEU	"	"
	6195	"	QMF ITA	"	"
	6219	"	QMF JPN	"	"
	6198	"	QMF KOR	"	"
	6216	"	QMF PTB	"	"
	6201	"	QMF ESP	"	"
	6204	"	QMF SVE	"	"
	6207	"	QMF FRS	"	"
	6210	"	QMF DES	"	"
	6213	2 of 2	QMF FRC	Ν	"
					007700
1 mm Cartridge	6235	1 of 2	QMF BASE	N "	SQ7720
	6232	2 of 2	QMF ENP		SQ77NI "
	6226		QMF DAN		
	6223		QMF FRA		
	6193	"	QMF DEU		"
	6196	"	QMF ITA	"	"
	6220	"	QMF JPN	"	"
	6199	"	QMF KOR	"	"
	6217	"	QMF PTB	"	"
	6202	"	QMF ESP	"	"
	6205	"	QMF SVE	"	"
	6208	"	QMF FRS	"	"
	6211	"	QMF DES	"	"
	6214	2 of 2	QMF FRC	Ν	"

* R/M = Restricted Materials of IBM

4 QMF Base and NLV Program Directory

Figure 2. Program File Content - QMF Base				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.HSQ7720.F1	PDS	FB	80	8800
IBM.HSQ7720.F2	PDS	U	0	6144
IBM.HSQ7720.F3	PDS	FB	80	8800
IBM.HSQ7720.F4	PDS	FB	80	8800
IBM.HSQ7720.F5	PDS	FB	80	8800

Figure 3. Program File Content - Upper Case English				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7721.F1	PDS	FB	80	8800
IBM.JSQ7721.F2	PDS	U	0	6144
IBM.JSQ7721.F3	PDS	FB	80	8800
IBM.JSQ7721.F4	PDS	FB	80	8800

Figure 4. Program File Content - Danish				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7725.F1	PDS	FB	80	8800
IBM.JSQ7725.F2	PDS	U	0	6144
IBM.JSQ7725.F3	PDS	FB	80	8800
IBM.JSQ7725.F4	PDS	FB	80	8800

Figure 5. Program File Content - French				
	O R	R E C F	L R E C	BLK
Name	G	М	L	SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7726.F1	PDS	FB	80	8800
IBM.JSQ7726.F2	PDS	U	0	6144
IBM.JSQ7726.F3	PDS	FB	80	8800
IBM.JSQ7726.F4	PDS	FB	80	8800

Figure 6. Program File Content - German				
		R	L	
	0	E C	R E	
	R	F	С	BLK
Name	G	М	L	SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7727.F1	PDS	FB	80	8800
IBM.JSQ7727.F2	PDS	U	0	6144
IBM.JSQ7727.F3	PDS	FB	80	8800
IBM.JSQ7727.F4	PDS	FB	80	8800

Figure 7. Program File Content - Italian				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7728.F1	PDS	FB	80	8800
IBM.JSQ7728.F2	PDS	U	0	6144
IBM.JSQ7728.F3	PDS	FB	80	8800
IBM.JSQ7728.F4	PDS	FB	80	8800

Figure 8. Program File Content - Japanese				
		R E	L R	
	O R	C F	E C	BLK
Name	G	М	L	SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ7729.F1	PDS	FB	80	8800
IBM.JSQ7729.F2	PDS	U	0	6144
IBM.JSQ7729.F3	PDS	FB	80	8800
IBM.JSQ7729.F4	PDS	FB	80	8800

Figure 9. Program File Content - Korean				
	0	R E	L R	
	O R	C F	E C	BLK
Name	G	М	L	SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ772A.F1	PDS	FB	80	8800
IBM.JSQ772A.F2	PDS	U	0	6144
IBM.JSQ772A.F3	PDS	FB	80	8800
IBM.JSQ772A.F4	PDS	FB	80	8800

Figure 10. Program File Content - Brazilian Portuguese				
Name	O R G	R E C F	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ772B.F1	PDS	FB	80	8800
IBM.JSQ772B.F2	PDS	U	0	6144
IBM.JSQ772B.F3	PDS	FB	80	8800
IBM.JSQ772B.F4	PDS	FB	80	8800

Figure 11. Program File Content - Spanish				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ772C.F1	PDS	FB	80	8800
IBM.JSQ772C.F2	PDS	U	0	6144
IBM.JSQ772C.F3	PDS	FB	80	8800
IBM.JSQ772C.F4	PDS	FB	80	8800

Figure 12. Program File Content - Swedish				
Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ772D.F1	PDS	FB	80	8800
IBM.JSQ772D.F2	PDS	U	0	6144
IBM.JSQ772D.F3	PDS	FB	80	8800
IBM.JSQ772D.F4	PDS	FB	80	8800

Figure 13. 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	6400
IBM.JSQ772E.F1	PDS	FB	80	8800
IBM.JSQ772E.F2	PDS	U	0	6144
IBM.JSQ772E.F3	PDS	FB	80	8800
IBM.JSQ772E.F4	PDS	FB	80	8800

Figure 14. Program File Content - Swiss German				
		R E	L R	
	O R	C F	E C	BLK
Name	G	F M	L	SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSQ772F.F1	PDS	FB	80	8800
IBM.JSQ772F.F2	PDS	U	0	6144
IBM.JSQ772F.F3	PDS	FB	80	8800
IBM.JSQ772F.F4	PDS	FB	80	8800

Figure 15. 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	6400
IBM.JSQ772G.F1	PDS	FB	80	8800
IBM.JSQ772G.F2	PDS	U	0	6144
IBM.JSQ772G.F3	PDS	FB	80	8800
IBM.JSQ772G.F4	PDS	FB	80	8800

2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for QMF Base and NLV.

2.3 Program Publications

The following sections identify the basic and optional publications for QMF Base and NLV.

2.3.1 Basic Program Publications

Figure 16 identifies the basic unlicensed program publications for QMF Base and NLV. One copy of each of these publications is included when you order the basic materials for QMF Base and NLV. For additional copies, contact your IBM representative.

Figure 16. Basic Material: Unlicensed Publications - USA English Base	
Publication Title	Form Number
QMF Messages and Codes	GC27-0717
Installing and Managing QMF	GC27-0720

Figure 17. Basic Material: Unlicensed Publications - Japanese	
Publication Title	Form Number
QMF Messages and Codes	GC88-8621
Installing and Managing QMF	GC88-9067

Figure 18. Basic Material: Unlicensed Publications - Korean	
Publication Title	Form Number
QMF Messages and Codes	GA30-1050
Installing and Managing QMF	GA30-1426

2.3.2 Optional Program Publications

Figure 19 identifies the optional unlicensed program publications for QMF Base and NLV.

Note: The publications listed below may be obtained from your IBM representative, or the internet for QMF Base and NLV.

Orderable via IBM Publications Center website: http://www.ibm.com/shop/publications/order

Viewable PDF format via QMF website: http://www.ibm.com/software/data/qmf/library.html

Figure 19 (Page 1 of 2). Optional Material: Unlicensed Publications		
Publication Title	Form Number	Feature Number
QMF Messages and Codes	GC27-0717	8101
Installing and Managing QMF	GC27-0720	8106
Introducing QMF	GC27-0714	8107
Developing QMF Applications	GC27-0718	8108
QMF Reference	GC27-0715	8109

Figure 19 (Page 2 of 2). Optional Material: Unlicensed Publications		
Publication Title	Form Number	Feature Number
Using QMF	GC27-0716	8110

Figure 20 identifies the optional unlicensed or licensed publications that are not available hardcopy under 5675-DB2, but are available through the internet for QMF Base and NLV.

Orderable via IBM Publications Center website: http://www.ibm.com/shop/publications/order

Viewable PDF format via QMF website: http://www.ibm.com/software/data/qmf/library.html

Figure 20. Optional Material: Other Optional Publications - USA English Base			
Publication Title	Form Number	How Available	
Introducing QMF	GC27-0714	Internet	
QMF Reference	GC27-0715	Internet	
Using QMF	GC27-0716	Internet	
QMF Messages and Codes	GC27-0717	Internet	
Developing QMF Applications	GC27-0718	Internet	
Installing and Managing QMF	GC27-0720	Internet	

Figure 21. Optional Material: Other Optional Publications - French		
Publication Title	Form Number	How Available
Introducing QMF	GC11-1685	Internet
Using QMF	SC11-1687	Internet

Figure 22. Optional Material: Other Optional Publications - German			
Publication Title	Form Number	How Available	
Introducing QMF	GC12-2858	Internet	
QMF Reference	SC12-2849	Internet	
Using QMF	SC12-2850	Internet	

Figure 23. Optional Material: Other Optional Publications - Italian			
Publication Title	Form Number	How Available	
Introducing QMF	GC13-2904	Internet	
QMF Reference	SC13-2905	Internet	
Using QMF	SC13-2906	Internet	

Figure 24. Optional Material: Other Optional Publications - Japanese			
Publication Title	Form Number	How Available	
Introducing QMF	GC88-8618	Internet	
QMF Reference	SC88-8619	Internet	
Using QMF	SC88-8620	Internet	
QMF Messages and Codes	GC88-8621	Internet	
Developing QMF Applications	SC88-8622	Internet	
Installing and Managing QMF	GC88-9067	Internet	

Figure 25. Optional Material: Other Optional Publications - Korean			
Publication Title	Form Number	How Available	
Introducing QMF	GA30-1047	Internet	
QMF Reference	SA30-1048	Internet	
Using QMF	SA30-1049	Internet	
QMF Messages and Codes	GA30-1050	Internet	
Developing QMF Applications	SA30-1051	Internet	
Installing and Managing QMF	GA30-1426	Internet	

Figure 26. Optional Material: Other Optional Publications - Brazilian Portuguese		
Publication Title	Form Number	How Available
	S517-6997	
Introducing QMF		
QMF Reference	S517-6998	Internet
Using QMF	S517-6999	Internet

Figure 27. Optional Material: Other Optional Publications - Spanish		
Publication Title	Form Number	How Available
Introducing QMF	GC10-3530	Internet
QMF Reference	SC10-3531	Internet
Using QMF	SC10-3532	Internet

2.4 Program Source Materials

No program source materials or viewable program listings are provided for QMF Base and NLV.

2.5 Publications Useful During Installation

The publications listed in Figure 28 may be useful during the installation of QMF Base and NLV. To order copies, contact your IBM representative or visit the IBM Publications Center on the world wide web at: elink.ibmlink.ibm.com/applications/public/applications/publications/ cgibin/pbi.cgi on the Internet.

Figure 28. Publications Useful During Installation	
Publication Title	Form Number
IBM SMP/E for z/OS and OS/390 User's Guide	SA22-7773
IBM SMP/E for z/OS and OS/390 Commands	SA22-7771
IBM SMP/E for z/OS and OS/390 Reference	SA22-7772
IBM SMP/E for z/OS and OS/390 Messages, Codes, and Diagnosis	GA22-7770
OS/390 SMP/E User's Guide	SC28-1740
OS/390 SMP/E Reference	SC28-1806
OS/390 SMP/E Messages and Codes	SC28-1738

3.0 Program Support

This section describes the IBM support available for QMF Base and NLV.

3.1 Program Services

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

3.2 Preventive Service Planning

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

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

For access to RETAIN, visit http://www.ibmlink.ibm.com on the Internet.

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 Base and NLV are:

Figure 29 (Pa	Figure 29 (Page 1 of 2). PSP Upgrade and Subset ID		
UPGRADE	SUBSET	Description	
DB2710	HSQ7720	QMF for OS/390 and z/OS Base V7.2	
DB2710	JSQ7721	QMF for OS/390 and z/OS National Language Version V7.2 Uppercase English	
DB2710	JSQ7725	QMF for OS/390 and z/OS National Language Version V7.2 Danish	
DB2710	JSQ7726	QMF for OS/390 and z/OS National Language Version V7.2 French	
DB2710	JSQ7727	QMF for OS/390 and z/OS National Language Version V7.2 German	
DB2710	JSQ7728	QMF for OS/390 and z/OS National Language Version V7.2 Italian	
DB2710	JSQ7729	QMF for OS/390 and z/OS National Language Version V7.2 Japanese	
DB2710	JSQ772A	QMF for OS/390 and z/OS National Language Version V7.2 Korean	

Figure 29 (Page 2 of 2). PSP Upgrade and Subset ID		
UPGRADE	SUBSET	Description
DB2710	JSQ772B	QMF for OS/390 and z/OS National Language Version V7.2 Brazilian Portuguese
DB2710	JSQ772C	QMF for OS/390 and z/OS National Language Version V7.2 Spanish
DB2710	JSQ772D	QMF for OS/390 and z/OS National Language Version V7.2 Swedish
DB2710	JSQ772E	QMF for OS/390 and z/OS National Language Version V7.2 Swiss French
DB2710	JSQ772F	QMF for OS/390 and z/OS National Language Version V7.2 Swiss German
DB2710	JSQ772G	QMF for OS/390 and z/OS National Language Version V7.2 Canadian French

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 30 (Page 1 of 2). Component IDs			
FMID	COMPID	Component Name	RETAIN Release
HSQ7720	566872101	QMF/390 BASE	720
JSQ7721	566872101	QMF/390 U/C ENGLISH	721
JSQ7725	566872101	QMF/390 DANISH	725
JSQ7726	566872101	QMF/390 FRENCH	726
JSQ7727	566872101	QMF/390 GERMAN	727
JSQ7728	566872101	QMF/390 ITALIAN	728
JSQ7729	566872101	QMF/390 JAPANESE	729
JSQ772A	566872101	QMF/390 KOREAN	72A
JSQ772B	566872101	QMF/390 BRAZIL PORT	72B
JSQ772C	566872101	QMF/390 SPANISH	72C
JSQ772D	566872101	QMF/390 SWEDISH	72D
JSQ772E	566872101	QMF/390 SWISS FRENCH	72E

Figure 30 identifies the component IDs (COMPID) for QMF Base and NLV.

Figure 30 (Page 2 of 2). Component IDs						
FMID	COMPID	Component Name	RETAIN Release			
JSQ772F	566872101	QMF/390 SWISS GERMAN	72F			
JSQ772G	566872101	QMF/390 CANADIAN FRENCH	72G			

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of QMF Base and NLV. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated.

4.1 Program Level Information

No APARs have been incorporated into QMF Base and NLV.

4.2 Service Level Information

No PTFs against this release of QMF Base and NLV 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 Base and NLV. 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 Base and NLV.

5.1.1 Machine Requirements

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

5.1.2 Programming Requirements

Figure 31. Driving System Software Requirements						
ProgramProduct Name andNumberMinimum VRM/Service Level						
Any one of the fol	lowing:					
5647-A01	OS/390 SMP/E Version 2 Release 7 or higher					
5694-A01	z/OS Version 1 Release 1 or higher					
5655-G44	IBM SMP/E for z/OS and OS/390 Version 3 Release 1 or higher					

5.2 Target System Requirements

This section describes the environment of the target system required to install and use QMF Base and NLV.

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

Figure 32. Mandatory Requisites					
Program Product Name and Number Minimum VRM/Service Level					
5647-A01	OS/390 Version 2 Release 7 Base Services, or higher				
5683-083	CICS/ESA Version 3 Release 3 or higher				

Note: The CICS requisite is for CICS users only.

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

Figure 33. Functional Requisites						
Program Number	Product Name and Minimum VRM/Service Level	Function				
5675-DB2	DB2 UDB OF OS/390 Version 7	DB2				
5675-DB2	DB2 UDB for OS/390 Version 7 with PTFs, UQ57178, UQ60456, UQ60033	QMF Enhanced List Tables Command				
5645-DB2	DB2 UDB OF OS/390 Version 6 with PTFs, UQ57177, UQ60455, UQ60032	QMF Enhanced List Tables Command				

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 Base and NLV 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 Base and NLV has no negative requisites.

5.2.3 DASD Storage Requirements

QMF Base and NLV libraries can reside on 3380 or 3390 DASD.

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

Figure 34. T	Figure 34. Total DASD Space Required by QMF Base and NLV						
Library Type Total Space Required							
Target	5835 (3390) Blocks	(3845 for QMF Base, 1990 per Language)					
Distribution	5225 (3390) Blocks	(4945 for QMF Base, 280 per Language)					

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 6.1.6, "Allocate SMP/E Target and Distribution Libraries" on page 32.

- 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 LNKLST
 - It is not required for the data set to be APF authorized

If you are installing a NLV in this document the default QMF NLV library names, PDS member names, and JCL sample job names, etc. are referred to with n in the name. For each language installation, it is necessary to replace the letter n with the appropriate language letter identifier assigned to the National Language being installed. Refer to the table below for the values assigned to each individual National Language provided with QMF Version 7.2.

Figure 35 (Page 1 of 2). QMF National Language Identifiers							
Language	Language Identifier	FMID	Q.PROFILES TRANSLATION				
Uppercase English	U	JSQ7721	UPPERCASE				
Danish	Q	JSQ7725	DANSK				
French	F	JSQ7726	FRANCAIS				
German	D	JSQ7727	DEUTSCH				
Italian	I	JSQ7728	ITALIANO				
Japanese	К	JSQ7729	NIHONGO				

Figure 35 (Page 2 of 2). QMF National Language Identifiers								
Language	Language Identifier	FMID	Q.PROFILES TRANSLATION					
Korean	Н	JSQ772A	HANGEUL					
Brazilian Portuguese	Р	JSQ772B	PORTUGUES					
Spanish	S	JSQ772C	ESPANOL					
Swedish	V	JSQ772D	SVENSKA					
Swiss French	Y	JSQ772E	FRANCAIS (SUISSE)					
Swiss German	Z	JSQ772F	DEUTSCH (SCHWEIZ)					
Canadian French	С	JSQ772G	FRANCAIS CANADIEN					

The following figures describe the target and distribution libraries required to install QMF Base and NLV. The storage requirements of QMF Base and NLV must be added to the storage required by other programs having data in the same library or path.

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

Figure 36 (Page 1 of 4). Storage Requirements for QMF Base and NLV 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	30	
SDSQSAPE	Sample	any	U	PDS	FB	80	214	3	
SDSQDBRM	Macro	any	U	PDS	FB	80	11	10	
SDSQPLBE	Panel	any	U	PDS	FB	80	14	15	
SDSQCLTE	CLIST	any	U	PDS	FB	80	51	10	
SDSQSLBE	SKEL	any	U	PDS	FB	80	14	10	
SDSQMLBE	MSG	any	U	PDS	FB	80	14	10	
SDSQEXCE	EXEC	any	U	PDS	FB	80	14	10	
SDSQUSRE	Sample	any	U	PDS	FB	80	31	10	
SDSQEXIT	Sample	any	U	PDS	U	0	8	10	
SDSQSAPU	Sample	any	U	PDS	FB	80	214	30	
SDSQPLBU	Panel	any	U	PDS	FB	80	13	15	

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
SDSQCLTU	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBU	MSG	any	U	PDS	FB	80	14	10
SDSQEXCU	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRU	Sample	any	U	PDS	FB	80	31	10
SDSQSAPQ	Sample	any	U	PDS	FB	80	214	30
SDSQPLBQ	Panel	any	U	PDS	FB	80	13	15
SDSQCLTQ	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBQ	MSG	any	U	PDS	FB	80	14	10
SDSQEXCQ	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRQ	Sample	any	U	PDS	FB	80	31	10
SDSQSAPF	Sample	any	U	PDS	FB	80	214	30
SDSQPLBF	Panel	any	U	PDS	FB	80	13	15
SDSQCLTF	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBF	MSG	any	U	PDS	FB	80	14	10
SDSQEXCF	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRF	Sample	any	U	PDS	FB	80	31	10
SDSQSAPD	Sample	any	U	PDS	FB	80	214	30
SDSQPLBD	Panel	any	U	PDS	FB	80	13	15
SDSQCLTD	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBD	MSG	any	U	PDS	FB	80	14	10
SDSQEXCD	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRD	Sample	any	U	PDS	FB	80	31	10
SDSQSAPI	Sample	any	U	PDS	FB	80	214	30
SDSQPLBI	Panel	any	U	PDS	FB	80	13	15
SDSQCLTI	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBI	MSG	any	U	PDS	FB	80	14	10
SDSQEXCI	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRI	Sample	any	U	PDS	FB	80	31	10
SDSQSAPK	Sample	any	U	PDS	FB	80	214	30

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
SDSQPLBK	Panel	any	U	PDS	FB	80	13	15
SDSQCLTK	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBK	MSG	any	U	PDS	FB	80	14	10
SDSQEXCK	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRK	Sample	any	U	PDS	FB	80	31	10
SDSQSAPH	Sample	any	U	PDS	FB	80	214	30
SDSQPLBH	Panel	any	U	PDS	FB	80	13	15
SDSQCLTH	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBH	MSG	any	U	PDS	FB	80	14	10
SDSQEXCH	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRH	Sample	any	U	PDS	FB	80	31	10
SDSQSAPP	Sample	any	U	PDS	FB	80	214	30
SDSQPLBP	Panel	any	U	PDS	FB	80	13	15
SDSQCLTP	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBP	MSG	any	U	PDS	FB	80	14	10
SDSQEXCP	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRP	Sample	any	U	PDS	FB	80	31	10
SDSQSAPS	Sample	any	U	PDS	FB	80	214	30
SDSQPLBS	Panel	any	U	PDS	FB	80	13	15
SDSQCLTS	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBS	MSG	any	U	PDS	FB	80	14	10
SDSQEXCS	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRS	Sample	any	U	PDS	FB	80	31	10
SDSQSAPV	Sample	any	U	PDS	FB	80	214	30
SDSQPLBV	Panel	any	U	PDS	FB	80	13	15
SDSQCLTV	CLIST	any	U	PDS	FB	80	51	10
SDSQMLBV	MSG	any	U	PDS	FB	80	14	10
SDSQEXCV	EXEC	any	U	PDS	FB	80	14	10
SDSQUSRV	Sample	any	U	PDS	FB	80	31	10

Figure 36 (Page 4 of 4). Storage Requirements for QMF Base and NLV Target Libraries									
			-		R E	L	Na	Ne	
			T Y	0	E C	R E	No. of	No. of	
Library	Member	Target	P	R	F	Ċ	3390	DIR	
DDNAME	Туре	Volume	Е	G	М	L	Trks	Blks	
SDSQSAPY	Sample	any	U	PDS	FB	80	214	30	
SDSQPLBY	Panel	any	U	PDS	FB	80	13	15	
SDSQCLTY	CLIST	any	U	PDS	FB	80	51	10	
SDSQMLBY	MSG	any	U	PDS	FB	80	14	10	
SDSQEXCY	EXEC	any	U	PDS	FB	80	14	10	
SDSQUSRY	Sample	any	U	PDS	FB	80	31	10	
SDSQSAPZ	Sample	any	U	PDS	FB	80	214	30	
SDSQPLBZ	Panel	any	U	PDS	FB	80	13	15	
SDSQCLTZ	CLIST	any	U	PDS	FB	80	51	10	
SDSQMLBZ	MSG	any	U	PDS	FB	80	14	10	
SDSQEXCZ	EXEC	any	U	PDS	FB	80	14	10	
SDSQUSRZ	Sample	any	U	PDS	FB	80	31	10	
SDSQSAPC	Sample	any	U	PDS	FB	80	214	30	
SDSQPLBC	Panel	any	U	PDS	FB	80	13	15	
SDSQCLTC	CLIST	any	U	PDS	FB	80	51	10	
SDSQMLBC	MSG	any	U	PDS	FB	80	14	10	
SDSQEXCC	EXEC	any	U	PDS	FB	80	14	10	
SDSQUSRC	Sample	any	U	PDS	FB	80	31	10	

Figure 37 (Page 1 of 2). Storage Requirements for QMF Base and NLVDistribution 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	329	150			
ADSQMACE	U	PDS	FB	80	368	30			
ADSQDBMD	U	PDS	FB	80	12	10			
ADSQPMSE	U	PDS	FB	80	14	15			
ADSQMACU	U	PDS	FB	80	35	30			
ADSQPMSU	U	PDS	FB	80	14	15			

Figure 37 (Page 2 of 2). Storage	Requirements for QMF Ba	se and NLV				
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
ADSQMACQ	U	PDS	FB	80	35	30
ADSQPMSQ	U	PDS	FB	80	14	15
ADSQMACF	U	PDS	FB	80	35	30
ADSQPMSF	U	PDS	FB	80	14	15
ADSQMACD	U	PDS	FB	80	35	30
ADSQPMSD	U	PDS	FB	80	14	15
ADSQMACI	U	PDS	FB	80	35	30
ADSQPMSI	U	PDS	FB	80	14	15
ADSQMACK	U	PDS	FB	80	35	30
ADSQPMSK	U	PDS	FB	80	14	15
ADSQMACH	U	PDS	FB	80	35	30
ADSQPMSH	U	PDS	FB	80	14	15
ADSQMACP	U	PDS	FB	80	35	30
ADSQPMSP	U	PDS	FB	80	14	15
ADSQMACS	U	PDS	FB	80	35	30
ADSQPMSS	U	PDS	FB	80	14	15
ADSQMACV	U	PDS	FB	80	35	30
ADSQPMSV	U	PDS	FB	80	14	15
ADSQMACY	U	PDS	FB	80	35	30
ADSQPMSY	U	PDS	FB	80	14	15
ADSQMACZ	U	PDS	FB	80	35	30
ADSQPMSZ	U	PDS	FB	80	14	15
ADSQMACC	U	PDS	FB	80	35	30
ADSQPMSC	U	PDS	FB	80	14	15

The following figures list data sets that are not used by SMP/E, but are required for QMF Base and NLV to execute.

Figure 38 (Page 1 of 2). Storage Required	ments for QMF Ba	ase and NLV	' BASE Noi	n-SMP/E Da	ta 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
DSQCHART	U	PDS	FB	400	3	10
DSQMAPE	U	PDS	FB	400	6	10
DSQPVARE	U	SEQ	V	32756	90	-
DSQPNLE	U	VSAM	V	32756	135	-
DSQMAPU	U	PDS	FB	400	6	10
DSQPVARU	U	NONE	V	32756	90	-
DSQPNLU	U	VSAM	VS	32756	135	-
DSQMAPQ	U	PDS	FB	400	6	10
DSQPVARQ	U	SEQ	V	32756	90	-
DSQPNLQ	U	VSAM	VS	32756	135	-
DSQMAPF	U	PDS	FB	400	6	10
DSQPVARF	U	SEQ	V	32756	90	-
DSQPNLF	U	VSAM	VS	32756	135	-
DSQMAPD	U	PDS	FB	400	6	10
DSQPVARD	U	SEQ	V	32756	90	-
DSQPNLD	U	VSAM	VS	32756	135	-
DSQMAPI	U	PDS	FB	400	6	10
DSQPVARI	U	SEQ	V	32756	90	-
DSQPNLI	U	VSAM	V	32756	135	-
DSQMAPK	U	PDS	FB	400	6	10
DSQPVARK	U	SEQ	V	32756	90	-
DSQPNLK	U	VSAM	VS	32756	135	-
DSQMAPH	U	PDS	FB	400	6	10
DSQPVARH	U	SEQ	V	32756	90	-
DSQPNLH	U	VSAM	VS	32756	135	-
DSQMAPP	U	PDS	FB	400	6	10
DSQPVARP	U	SEQ	V	32756	90	-
DSQPNLP	U	VSAM	VS	32756	135	-
DSQMAPS	U	PDS	FB	400	6	10

Figure 38 (Page 2 of 2). Storage Requirements for	QMF Ba	se and NLV	BASE No	n-SMP/E Da	ta 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
DSQPVARS	U	SEQ	V	32756	90	-
DSQPNLS	U	VSAM	VS	32756	135	-
DSQMAPV	U	PDS	FB	400	6	10
DSQPVARV	U	SEQ	V	32756	90	-
DSQPNLV	U	VSAM	VS	32756	135	-
DSQMAPY	U	PDS	FB	400	6	10
DSQPVARY	U	SEQ	V	32756	90	-
DSQPNLY	U	VSAM	VS	32756	135	-
DSQMAPZ	U	PDS	FB	400	6	10
DSQPVARZ	U	SEQ	V	32756	90	-
DSQPNLZ	U	VSAM	VS	32756	135	-
DSQMAPC	U	PDS	FB	400	6	10
DSQPVARC	U	SEQ	V	32756	90	-
DSQPNLC	U	VSAM	VS	32756	135	-

5.3 FMIDs Deleted

Installing QMF Base and NLV 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 Base and NLV 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 Base and NLV 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 Base and NLV.

Please note the following:

- If you want to install QMF for OS/390 and z/OS Base and 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.
- The installation of QMF for OS/390 and z/OS Base will have a base English support.
- When installing QMF NLV it **must** be installed into the same CSI where your QMF for OS/390 and z/OS Base is located.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs
 assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate
 zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing QMF Base and NLV

6.1.1 SMP/E Considerations for Installing QMF Base and NLV

This release of QMF Base and NLV 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.

All SMP/E installation jobs provided assume that all necessary DD statements for the execution of SMP/E are defined using DDDEFs.

Sample jobs are provided to assist you in installing QMF Base and NLV. After the RECEIVE step has been completed, the sample jobs can be found in SMPTLIB: **IBM.HSQ7720.F3**. Make a copy of these jobs in your own library and modify them to use during the installation of QMF Base and NLV.

6.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 39. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

Figure 39. SMP/E Options Subentry Values				
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 Processing

QMF Base and NLV uses the CALLLIBS function provided in SMP/E to resolve external references during installation. When QMF Base and NLV is installed, ensure that DDDEFs exist for the following libraries:

- SDFHLOAD
- SDSNLOAD
- SDSQLOAD
- SCEELKED

Note: The DDDEFs above are used only to resolve the link-edit for QMF for OS/390 and z/OS Base and National Language Version using CALLLIBS. These data sets are not updated during the installation of QMF for OS/390 and z/OS Base and National Language Version.

6.1.4 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install QMF Base and NLV:

Figure 40. Sample Installation Jobs - Base and NLV					
Job Name	Job Type	Description	RELFILE		
DSQ1EJRC	RECEIVE	Sample RECEIVE job	IBM.HSQ7720.F3		
DSQ1EJAL	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HSQ7720.F3		
DSQ1EDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HSQ7720.F3		
DSQ1EJAP	APPLY	Sample APPLY job	IBM.HSQ7720.F3		
DSQ1EJAC	ACCEPT	Sample ACCEPT job	IBM.HSQ7720.F3		
DSQ1NJRC	RECEIVE	Sample RECEIVE job (NLV)	IBM.HSQ7720.F3		
DSQ1NJAL	ALLOCATE	Sample job to allocate target and distribution libraries (NLV)	IBM.HSQ7720.F3		
DSQ1NDEF	DDDEF	Sample job to define SMP/E DDDEFs (NLV)	IBM.HSQ7720.F3		
DSQ1NJAP	APPLY	Sample APPLY job (NLV)	IBM.HSQ7720.F3		
DSQ1NJAC	ACCEPT	Sample ACCEPT job (NLV)	IBM.HSQ7720.F3		

You may 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.

```
EXEC PGM=IEBCOPY
//STEP1
//SYSPRINT DD SYSOUT=*
//TAPEIN DD DSN=IBM.HSQ7720.F3,UNIT=tunit,VOL=SER=SQ7720,
           LABEL=(4,SL),DISP=(OLD,KEEP)
11
//*FILEIN DD DSN=IBM.HSQ7720.F3,UNIT=SYSALLDA,DISP=SHR,
//*
            VOL=SER=filevol
//OUT
           DD DSNAME=jcl-library-name,
           DISP=(NEW,CATLG,DELETE),
11
11
           VOL=SER=dasdvol,UNIT=SYSALLDA,
//
           SPACE=(8800,(15,10,5))
//SYSUT3
          DD UNIT=SYSALLDA, SPACE=(CYL, (1,1))
//SYSIN
           DD *
    COPY INDD=xxxxIN,OUTDD=OUT
    SELECT MEMBER=(DSQ1EJRC,DSQ1EJAL,DSQ1EDEF,DSQ1EJAP,DSQ1EJAC)
    SELECT MEMBER=(DSQ1NJRC,DSQ1NJAL,DSQ1NDEF,DSQ1NJAP,DSQ1NJAC)
/*
```

where **tunit** is the unit value matching the product tape, **filevol** is the volume serial of the DASD device where the downloaded files reside, **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 and **xxxxIN** on the SYSIN DD to either TAPEIN or FILEIN depending on your input DD statement.

You can also access the sample installation jobs by performing an SMP/E RECEIVE for FMID HSQ7720, and then copying the jobs from dataset **hlq.HSQ7720.F3** to a work data set for editing and submission. Note: **hlq** is the high-level qualifier specified in the DSPREFIX value in the SMPTLIB DDDEF or in the OPTIONS entry of the global zone. See Figure 40 on page 30 to find the appropriate SMPTLIB data set.

6.1.5 Perform SMP/E RECEIVE

NOTE. If you obtained QMF Base and NLV as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the QMF Base and NLV 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.

• Edit and submit sample job DSQ1EJRC to perform the SMP/E RECEIVE for QMF for OS/390 and z/OS Base. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the jobs run correctly

• Edit and submit sample job DSQ1NJRC to perform the SMP/E RECEIVE for QMF National Languages. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly

6.1.6 Allocate SMP/E Target and Distribution Libraries

• Edit and submit sample job DSQ1EJAL to allocate the SMP/E target and distribution libraries for QMF for OS/390 and z/OS Base. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

• Edit and submit sample job DSQ1NJAL to allocate the SMP/E target and distribution libraries for QMF National Languages. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

6.1.7 Create DDDEF Entries

• Edit and submit sample job DSQ1EDEF to create DDDEF entries for the SMP/E target and distribution libraries for QMF for OS/390 and z/OS Base. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly.

• Edit and submit sample job DSQ1NDEF to create DDDEF entries for the SMP/E target and distribution libraries for QMF National Languages. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: You will get a condition code of 0 if the job runs correctly

6.1.8 Perform SMP/E APPLY

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).

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.

• Edit and submit sample job DSQ1EJAP to perform an SMP/E APPLY CHECK for QMF for OS/390 and z/OS Base. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages from APPLY CHECK: You will get a condition code of 0 if the job runs correctly.

Expected Return Codes and Messages from APPLY: You will get a condition code of 4 if the job runs correctly. However, the following messages, GIM23903W or GIM23913W and IEW2454W are normal and should be ignored.

• Edit and submit sample job DSQ1NJAP to perform an SMP/E APPLY CHECK for QMF National Languages. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages from APPLY CHECK: You will get a condition code of 0 if the job runs correctly

Expected Return Codes and Messages from APPLY: You will get a condition code of 0 if the job runs correctly

6.1.9 Perform SMP/E ACCEPT

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.

• Edit and submit sample job DSQ1EJAC to perform an SMP/E ACCEPT CHECK for QMF for OS/390 and z/OS Base. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages from ACCEPT CHECK: You will get a condition code of 0 if the job runs correctly.

Expected Return Codes and Messages from ACCEPT: You will get a condition code of 0 if the job runs correctly.

• Edit and submit sample job DSQ1NJAC to perform an SMP/E ACCEPT CHECK for QMF National Languages. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages from ACCEPT CHECK: You will get a condition code of 0 if the job runs correctly

Expected Return Codes and Messages from ACCEPT: You will get a condition code of 0 if the 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.

6.2 Activating QMF Base and NLV

The publication *Installing and Managing QMF, GC27-0720* contains the step-by-step procedures to activate the functions of QMF Base and NLV.

Reader's Comments

Program Directory for QMF for OS/390 and z/OS Base and National Language Version March 2002

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satisfied	<=====		=====>	dissatisfied	applicable	
1	2	3	4	5	Ν	

			Satis	factio	on	
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Contents of program directory	1	2	3	4	5	Ν
Installation Verification Programs	1	2	3	4	5	Ν
Time to install the product	1	2	3	4	5	Ν
Readability and organization of program directory tasks	1	2	3	4	5	Ν
Necessity of all installation tasks	1	2	3	4	5	Ν
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_	ServerPac
	Independent

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Printed in U.S.A.

