



**Program Directory for  
IBM DB2 UDB for OS/390 and z/OS  
QMF High Performance Option  
(QMF V7.2.0 feature of DB2 V7.1.0)**

Version 07 Release 01, Modification Level 00

Program Number 5675-DB2

FMID HHP7720

for Use with  
OS/390 and z/OS

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**Note!**

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

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## 1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of Query Management Facility High Performance Option. This publication refers to Query Management Facility High Performance Option as QMF HPO. 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 HPO.
- 3.0, "Program Support" on page 6 describes the IBM support available for QMF HPO.
- 4.0, "Program and Service Level Information" on page 7 lists the APARs (program level) and PTFs (service level) incorporated into QMF HPO.
- 5.0, "Installation Requirements and Considerations" on page 8 identifies the resources and considerations for installing and using QMF HPO.
- 6.0, "Installation Instructions" on page 13 provides detailed installation instructions for QMF HPO. It also describes the procedures for activating the functions of QMF HPO, or refers to appropriate publications.

Before installing QMF HPO, read 3.2, "Preventive Service Planning" on page 6. 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 HPO 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 HPO 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 HPO are included on the CBPDO tape.

---

### 1.1 QMF HPO Description

Query Management Facility / High Performance Option (QMF HPO) is a comprehensive tool set. QMF HPO combines a full function of QMF Governor, with an integrated QMF Administration and Object Management Facility to ensure cost effective use, improve the performance, analyze and simplify the management of QMF.

QMF HPO allows customers to open up QMF to a broader base of users at a reasonable cost without jeopardizing overall system performance.

It offers a comprehensive data access and governing solution including:

- Accessing large amounts of data
- Sharing central repositories of queries and enterprise reports
- Implementing tightly controlled distributed or client/server solutions

QMF HPO includes the QMF HPO/Compiler and QMF HPO Manager. The QMF HPO/Compiler lets you automatically convert queries and reports into efficient programs in OS/VS COBOL or COBOL II. This reduces CPU Consumption, DB2 catalog contention, DB2 Optimizer overhead and security concerns as converted programs use static Structured Query Language (SQL) in place of dynamic SQL.

The QMF HPO/Manager consists of a group of functions that improves governing and object management capabilities, including a preemptive governor to analyze QMF queries. The governing capabilities allow you to establish controls that protect valuable resources. Among the many conditions available for governing are:

- Time of day
- Day of week
- Maximum number of rows to fetch
- Allow/disallow SQL verbs and QMF commands
- Resource consumption based on the use of QMF commands and SQL statements

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## 1.2 QMF HPO FMIDs

QMF HPO consists of the following FMID:

HHP7720



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## 2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for QMF HPO 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 HPO. 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 13 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.
2. If you are installing QMF HPO 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.

| Medium    | Feature Number | Physical Volume | External Label | R/M * | VOLSER |
|-----------|----------------|-----------------|----------------|-------|--------|
| 3480 cart | 6277           | 1 of 1          | QMF HPO V7.2   | N     | HP7720 |
| 4mm cart  | 6278           | 1 of 1          | QMF HPO V7.2   | N     | HP7720 |
| 6250 tape | 6279           | 1 of 1          | QMF HPO V7.2   | N     | HP7720 |

\* R/M = Restricted Materials of IBM

*Figure 2. Program File Content*

| <b>Name</b>    | <b>O<br/>R<br/>G</b> | <b>R<br/>E<br/>C<br/>F<br/>M</b> | <b>L<br/>R<br/>E<br/>C<br/>L</b> | <b>BLK<br/>SIZE</b> |
|----------------|----------------------|----------------------------------|----------------------------------|---------------------|
| SMPMCS         | SEQ                  | FB                               | 80                               | 6400                |
| IBM.HHP7720.F1 | PDS                  | FB                               | 80                               | 8800                |
| IBM.HHP7720.F2 | PDS                  | U                                | 0                                | 6144                |
| IBM.HHP7720.F3 | PDS                  | FB                               | 80                               | 8800                |

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## 2.2 Optional Machine-Readable Material

No optional machine-readable materials are provided for QMF HPO.

---

## 2.3 Program Publications

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

### 2.3.1 Basic Program Publications

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

*Figure 3. Basic Material: Unlicensed Publications*

| <b>Publication Title</b> | <b>Form<br/>Number</b> |
|--------------------------|------------------------|
| QMF HPO User's Guide     | SC27-0724              |

### 2.3.2 Optional Program Publications

No optional publications are provided for QMF HPO.

---

## 2.4 Program Source Materials

No program source materials or viewable program listings are provided for QMF HPO.

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## 2.5 Publications Useful During Installation

The publications listed in Figure 4 on page 5 may be useful during the installation of QMF HPO. To order copies, contact your IBM representative or visit the IBM Publications Center on the world wide web at: [elink.ibm.com/applications/public/applications/publications/cgibin/pbi.cgi](http://elink.ibm.com/applications/public/applications/publications/cgibin/pbi.cgi) on the Internet.

| <i>Figure 4. Publications Useful During Installation</i>            |                    |
|---|--------------------|
| <b>Publication Title</b>  | <b>Form Number</b> |
| <i>IBM SMP/E for z/OS and OS/390 User's Guide</i>                   | SA22-7773          |
| <i>IBM SMP/E for z/OS and OS/390 Commands</i>                       | SA22-7771          |
| <i>IBM SMP/E for z/OS and OS/390 Reference</i>                      | SA22-7772          |
| <i>IBM SMP/E for z/OS and OS/390 Messages, Codes, and Diagnosis</i> | GA22-7770          |

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## 3.0 Program Support

This section describes the IBM support available for QMF HPO.

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### 3.1 Program Services

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

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### 3.2 Preventive Service Planning

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

If you obtained QMF HPO 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.ibm.link.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 HPO are:

| <i>Figure 5. PSP Upgrade and Subset ID</i> |         |              |
|--|---------|--------------|
| UPGRADE                                    | SUBSET  | Description  |
| DB2710                                     | HHP7720 | QMF HPO V7.2 |

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### 3.3 Statement of Support Procedures

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

Figure 6 identifies the component IDs (COMPID) for QMF HPO.

| <i>Figure 6. Component IDs</i> |           |                |                |
|--------------------------------|-----------|----------------|----------------|
| FMID                           | COMPID    | Component Name | RETAIN Release |
| HHP7720                        | 5668HPO00 | QMF HPO        | 720            |

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

This section identifies the program and any relevant service levels of QMF HPO. 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 HPO.

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### **4.2 Service Level Information**

No PTFs against this release of QMF HPO have been incorporated into the product tape.

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## 5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating QMF HPO. 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 HPO.

#### 5.1.1 Machine Requirements

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

#### 5.1.2 Programming Requirements

*Figure 7. Driving System Software Requirements*

| <b>Program Number</b>            | <b>Product Name and Minimum VRM/Service Level</b>           |
|----------------------------------|---|
| Any <b>one</b> of the following: |   |
| 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 |

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## 5.2 Target System Requirements

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

QMF HPO 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.

| <i>Figure 8. Mandatory Requisites</i> |  |
|---------------------------------------|--|
| Program Number                        | Product Name and Minimum VRM/Service Level |
| Any <b>one</b> of the following:      |  |
| 5694-A01                              | z/OS Version 1 Release 1 or higher         |
| 5647-A01                              | OS/390 Version 2 Release 7 Base or higher  |

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

| <i>Figure 9. Functional Requisites</i> |  |  |
|--|--|--|
| Program Number                         | Product Name and Minimum VRM/Service Level | Function   |
| 5675-DB2                               | QMF for OS/390                             | Data Report, Administration and Development Tool |
| 5675-DB2                               | DB2 Version 7                              | Database   |

**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 HPO 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 HPO has no negative requisites.

## 5.2.3 DASD Storage Requirements

QMF HPO libraries can reside on all supported DASD types.

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

| Library Type | Total Space Required |
|--------------|----------------------|
| Target       | 365 TRKS             |
| Distribution | 260 TRKS             |

### 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 6.1.5, "Allocate SMP/E Target and Distribution Libraries" on page 15.



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 LNKLIST
- 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 HPO. The storage requirements of QMF HPO 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 11. Storage Requirements for QMF HPO Target Libraries

| Library<br>DDNAME | Member<br>Type | Target<br>Volume | T<br>Y<br>P<br>E | O<br>R<br>G | R<br>E<br>C<br>O<br>M | L<br>R<br>E<br>C<br>L | No.<br>of<br>3390<br>Trks | No.<br>of<br>DIR<br>Blks |
|-------------------|----------------|------------------|------------------|-------------|-----------------------|-----------------------|---------------------------|--------------------------|
| SRAALOAD          | LMOD           | any              | U                | PDS         | U                     | 0                     | 200                       | 25                       |
| SRAASAMP          | SAMPLE         | any              | U                | PDS         | FB                    | 80                    | 20                        | 10                       |
| SRAADB RM         | MACRO          | any              | U                | PDS         | FB                    | 80                    | 10                        | 50                       |
| SRAAISPP          | PANEL          | any              | U                | PDS         | FB                    | 80                    | 40                        | 5                        |
| SRAACLST          | CLIST          | any              | U                | PDS         | FB                    | 80                    | 5                         | 10                       |
| SRAASKEL          | SKEL           | any              | U                | PDS         | FB                    | 80                    | 75                        | 10                       |
| SRAAISPM          | MSG            | any              | U                | PDS         | FB                    | 80                    | 10                        | 10                       |
| SRAAEXEC          | EXEC           | any              | U                | PDS         | FB                    | 80                    | 5                         | 5                        |

Figure 12. Storage Requirements for QMF HPO Distribution Libraries

| Library<br>DDNAME | T<br>Y<br>P<br>E | O<br>R<br>G | R<br>E<br>C<br>F<br>M | L<br>R<br>E<br>C<br>L | No.<br>of<br>3390<br>Trks | No.<br>of<br>DIR<br>Blks |
|-------------------|------------------|-------------|-----------------------|-----------------------|---------------------------|--------------------------|
| ARAALOAD          | U                | PDS         | U                     | 0                     | 165                       | 15                       |
| ARAASRCE          | U                | PDS         | FB                    | 80                    | 95                        | 30                       |

### 5.3 FMIDs Deleted

Installing QMF HPO 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 HPO 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 HPO 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 HPO.

Please note the following:

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

---

### 6.1 Installing QMF HPO

#### 6.1.1 SMP/E Considerations for Installing QMF HPO

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

#### 6.1.2 SMP/E Options Subentry Values

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

| SUB-ENTRY | Value         | Comment   |
|-----------|---------------|---|
| DSSPACE   | (210,210,510) | 3390 DASD tracks                                  |
| PEMAX     | SMP/E Default | IBM recommends using the SMP/E default for PEMAX. |

#### 6.1.3 Sample Jobs

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

Figure 14. Sample Installation Jobs

| Job Name | Job Type | Description  | RELFILE        |
|----------|----------|--|----------------|
| RAA1EJRC | RECEIVE  | Sample RECEIVE job                                       | IBM.HHP7720.F3 |
| RAA1EJAL | ALLOCATE | Sample job to allocate target and distribution libraries | IBM.HHP7720.F3 |
| RAA1EDEF | DDDEF    | Sample job to define SMP/E DDDEFs                        | IBM.HHP7720.F3 |
| RAA1EJAP | APPLY    | Sample APPLY job   | IBM.HHP7720.F3 |
| RAA1EJAC | ACCEPT   | Sample ACCEPT job  | IBM.HHP7720.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.

```
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//TAPEIN DD DSN=IBM.HHP7720.F3,UNIT=tunit,VOL=SER=HP7720,
// LABEL=(4,SL),DISP=(OLD,KEEP)
//*FILEIN DD DSN=IBM.HHP7720.F3,UNIT=SYSALLDA,DISP=SHR,
//* VOL=SER=filevol
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// 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=(RAA1EJRC,RAA1EJAL,RAA1EDEF,RAA1EJAP,RAA1EJAC)
/*
```

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 and then copying the jobs from the SMPTLIBs to a work data set for editing and submission. See Figure 14 on page 13 to find the appropriate SMPTLIB data set.

## 6.1.4 Perform SMP/E RECEIVE

Edit and submit sample job RAA1EJRC to perform the SMP/E RECEIVE for QMF HPO. Consult the instructions in the sample job for more information.

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

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

## 6.1.5 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job RAA1EJAL to allocate the SMP/E target and distribution libraries for QMF HPO. 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.

## 6.1.6 Create DDDEF Entries

Edit and submit sample job RAA1EDEF to create DDDEF entries for the SMP/E target and distribution libraries for QMF HPO. 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.

## 6.1.7 Perform SMP/E APPLY

Edit and submit sample job RAA1EJAP to perform an SMP/E APPLY CHECK for QMF HPO. Consult the instructions in the sample job for more information.

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

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 get a condition code of 0 if the jobs run correctly.

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

## 6.1.8 Perform SMP/E ACCEPT

Edit and submit sample job RAA1EJAC to perform an SMP/E ACCEPT CHECK for QMF HPO. Consult the instructions in the sample job for more information.

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

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 get a condition code of 0 if the jobs run correctly.

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

---

## 6.2 Activating QMF HPO

The publication *QMF HPO User's Guide SC27-0724* contains the step-by-step procedures to activate the functions of QMF HPO.

# Reader's Comments

## Program Directory for Query Management Facility High Performance Option March 2002

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

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

| RATING SCALE      |                 |                      |                   |  |  |
|-------------------|-----------------|----------------------|-------------------|--|--|
| very<br>satisfied | <----->         | very<br>dissatisfied | not<br>applicable |  |  |
| 1                 | 2      3      4 | 5                    | N                 |  |  |

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

How did you order this product?

- CBPDO
- CustomPac
- ServerPac
- Independent
- Other

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

- Yes
- No

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

- Yes

\_\_\_ No

If yes, how many years? \_\_\_

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

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Please provide the following contact information:

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Please send the completed form to (or give to your IBM representative who will forward it to the Query Management Facility High Performance Option Development group):



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