



**Program Directory for
Query Management Facility
for VM/ESA**

Version 7 Release 1.0

Program Number 5697-F42

for Use with
VM/ESA® Version 2 Release 2
VM/ESA Version 2 Release 3
VM/ESA Version 2 Release 4

Document Date: September 2000

GI10-8329-00

Note

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

This program directory, dated September 2000, applies to Query Management Facility for VM/ESA (QMF for VM), Version 7 Release 1.0, program number 5697-F42.

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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 for VM/ESA Version 7** (abbreviated to QMF for VM in this document). 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 2 identifies the basic and optional program materials and documentation for QMF for VM.
- 3.0, “Program Support” on page 5 describes the IBM support available for QMF for VM.
- 4.0, “Program and Service Level Information” on page 6 lists the APARs (program level) and PTFs (service level) incorporated into QMF for VM.
- 5.0, “Installation Requirements and Considerations” on page 7 identifies the resources and considerations for installing and using QMF for VM.
- 6.0, “Installation Instructions” on page 10 provides detailed installation instructions for QMF for VM.
- 7.0, “Service Instructions” on page 28 provides detailed servicing instructions for QMF for VM.
- Appendix A, “Create Product Parameter File (PPF) Override” on page 38 provides detailed information on overriding the Product Parameter File (PPF).

Before installing QMF for VM, read 3.1, “Preventive Service Planning” on page 5. This section tells you how to find any updates to the information and procedures in this program directory.

1.1 Program Description

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. It also allows you to implement tightly-controlled, distributed, or client/server solutions. In addition, you can use QMF to publish reports to the World Wide Web that you can view with your favorite web browser.

2.0 Program Materials

An IBM program is identified by a program number. The program number for Query Management Facility for VM/ESA Version 7 is 5697-F42.

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

The following sections identify:

- basic and optional program materials available with this program
- publications useful during installation.

2.1 Basic Machine-Readable Material

The distribution medium for this program is as follows:

- One 3480 tape cartridge or
- One 4mm tape cartridge or
- One 9 track magnetic tape (written at 6250 BPI) or
- One 1/4" tape cartridge

The tape contains all the programs and data needed for installation. QMF for VM is installed using VMSES/E.

See section 6.0, "Installation Instructions" on page 10 for more information about how to install the program. Figure 1 describes the tape or cartridge. Figure 2 on page 3 describes the file content of the program tape or cartridge.

Figure 1. Basic Material: Program Tape

Feature Number	Medium	Physical Volume	Tape Content	External Tape Label
6090	6250 tape	1	QMF/VM BASE	QMF for VM V7 (E)
6088	3480 cart.	1	QMF/VM BASE	QMF for VM V7 (E)
6049	.25" cart.	1	QMF/VM BASE	QMF for VM V7 (E)
6089	4mm cart.	1	QMF/VM BASE	QMF for VM V7 (E)

Figure 2. Program Tape: File Content

Tape File	Content
1	Tape Header
2	Tape Header
3	Product Header
4	Product Memo
5	Service Apply Lists
6	PTFPARTs
7	QMF for VM Service
8	QMF for VM Service
9	QMF for VM Base Code
10	QMF for VM Sample
11	QMF for VM Production
12	QMF for VM Distribution

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for QMF for VM.

2.3 Program Publications

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

2.3.1 Basic Program Publications

One copy of the following publication is included when you order the basic materials for QMF for VM. For additional copies, contact your IBM representative.

Figure 3. Basic Material: Unlicensed Publications

Publication Title	Form Number
<i>Installing and Managing QMF on VM/ESA</i>	GC27-0720
<i>QMF Messages and Codes</i>	GC27-0717

2.3.2 Optional Program Publications

The following are the optional publications that can be ordered.

Figure 4. Optional Material: Unlicensed Publications

Publication Title	Form Number
<i>Introducing QMF</i>	GC27-0714
<i>QMF Reference</i>	SC27-0715
<i>Using QMF</i>	SC27-0716
<i>Developing QMF Applications</i>	SC27-0718

2.4 Microfiche Support

There is no microfiche for QMF for VM.

2.5 Publications Useful During Installation

The publications listed in Figure 5 or Figure 6, depending on your VM/ESA release, may be useful during the installation of QMF for VM. To order copies, contact your IBM representative.

Figure 5. Publications Useful During Installation / Service on VM/ESA Version 2.2.0

Publication Title	Form Number
<i>VM/ESA: VMSES/E Introduction and Reference</i>	SC24-5747
<i>VM/ESA: Service Guide</i>	SC24-5749
<i>VM/ESA: Planning and Administration</i>	SC24-5750
<i>VM/ESA: CMS Command Reference</i>	SC24-5776
<i>VM/ESA: CMS File Pool Planning, Administration, and Operation</i>	SC24-5751
<i>VM/ESA: System Messages and Codes</i>	SC24-5784

Figure 6. Publications Useful During Installation / Service on VM/ESA Version 2.3.0 or higher

Publication Title	Form Number
<i>VM/ESA: VMSES/E Introduction and Reference</i>	GC24-5837
<i>VM/ESA: Service Guide</i>	GC24-5838
<i>VM/ESA: Planning and Administration</i>	SC24-5750
<i>VM/ESA: CMS Command Reference</i>	SC24-5776
<i>VM/ESA: CMS File Pool Planning, Administration, and Operation</i>	SC24-5751
<i>VM/ESA: System Messages and Codes</i>	GC24-5841

3.0 Program Support

This section describes the IBM support available for QMF for VM.

3.1 Preventive Service Planning

Before installing QMF for VM, check with your IBM Support Center or use IBMLink™ (ServiceLink) to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 7. PSP Upgrade and Subset ID

Retain			
COMPID	Release	Upgrade	Subset
566872101	790	DB2VSEVM710	QMF/790

3.2 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 tell you where to send any needed documentation.

Figure 8 identifies the component ID (COMPID), Retain Release and Field Engineering Service Number (FESN) for QMF for VM.

Figure 8. Component IDs

Retain			
COMPID	Release	Component Name	FESN
566872101	790	QMF/VM BASE	6472101

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of QMF for VM. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs shipped with this product. Information about the cumulative service tape is also provided.

4.1 Program Level Information

QMF for VM V7 has incorporated all closed APARS from previous versions/releases which were closed prior to August 4, 2000.

4.2 Service Level Information

Check the DB2VSEVM710 PSP bucket for any additional PTFs that should be installed or any additional install information.

4.3 Cumulative Service Tape

Cumulative service for QMF for VM Version 7 Release 1.0 is available through a monthly corrective service tape, Expanded Service Option, ESO.

5.0 Installation Requirements and Considerations

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

5.1 Hardware Requirements

There are no special hardware requirements for QMF for VM.

5.2 Program Considerations

The following sections list the programming considerations for installing QMF for VM and activating its functions.

5.2.1 Operating System Requirements

QMF for VM supports the following VM operating systems:

- VM/ESA Version 2 Release 4
- VM/ESA Version 2 Release 3
- VM/ESA® Version 2 Release 2
- **RSU9904 service level** or above must be applied to VMSES/E on VM/ESA 2.4.0 prior to installing QMF for VM
- **RSU9905 service level** or above must be applied to VMSES/E on VM/ESA 2.3.0 prior to installing QMF for VM
- **RSU9904 service level** or above must be applied to VMSES/E on VM/ESA 2.2.0 prior to installing QMF for VM

Note: VMSES/E product packaging APAR VM62316 has to be applied in order to install QMF for VM. It is contained in the above RSU's.

5.2.2 Other Program Product Requirements

This section shows the program requirements for QMF for VM V7.

Later releases that are not available at the QMF for VM V7 announcement time are not supported, unless specifically stated otherwise.

Refer to the *Installing and Managing QMF on VM/ESA* book or the QMF for VM V7 announcement letter for a list of program products required for optional functions to identify other program products you might need to use for certain QMF functions.

Figure 9. Prerequisite Software for QMF for VM

Required Products	Version Release	Order Number
DB2 for VM	Version 7 Release 1	5697-F42
GDDM/VMXA, or GDDM/VM	Version 2 Release 3 Version 3 Release 1.1 Version 3 Release 2	5684-007 5684-16A 5684-16B

5.2.3 Program Installation and Service Considerations

This section describes items that should be considered before you install or service QMF for VM.

- VMSES/E is required to install and service this product.
- If multiple users install and maintain licensed products on your system, there may be a problem getting the necessary access to MAINT's 51D disk. If you find that there is contention for write access to the 51D disk, you can eliminate it by converting the Software Inventory from minidisk to Shared File System (SFS). See the *VMSES/E Introduction and Reference* manual, section "Changing the Software Inventory to an SFS Directory", for information on how to make this change.
- Customers will no longer install and service QMF for VM strictly using the MAINT user ID, but will use a new user ID--P697F42A. This is the IBM suggested user ID name. You are free to change this to any user ID name you wish; however, a PPF override must be created.

Note: It may be easier to make the above change during the installation procedure 6.2, "Plan Your Installation For QMF for VM" step 6 on page 12, rather than after you have installed this product.

5.3 DASD Storage and User ID Requirements

Figure 10 lists the user IDs, minidisks and default SFS directory names that are used to install and service QMF for VM.

Important Installation Notes:

- User ID(s) and minidisks or SFS directories will be defined in 6.2, "Plan Your Installation For QMF for VM" on page 11 and are listed here so that you can get an idea of the resources that you will need prior to allocating them.
- P697F42A is a default user ID and can be changed. If you choose to change the name of the installation user ID you need to create a Product Parameter Override (PPF) to reflect this change. This can be done in 6.2, "Plan Your Installation For QMF for VM" step 6 on page 12.
- If you choose to install QMF for VM on a common user ID the default minidisk addresses for QMF for VM may already be defined. If any of the default minidisks required by QMF for VM are already in use you will have to create an override to change the default minidisks for QMF for VM so they are unique.

Figure 10. DASD Storage Requirements for Target Minidisks

Minidisk owner (user ID)	Default Address	Storage in Cylinders		FB-512 Blocks	SFS 4K Blocks	Usage
		DASD	CYLS			Default SFS Directory Name
P697F42A	2B2	3390 3380 9345	25 30 30	36000	4500	Contains all the base code shipped with QMF for VM VMSYS:P697F42A.QMF.OBJECT
P697F42A	2C2	3390 3380 9345	2 2 2	2400	300	Contains customization files. This disk may also be used for local modifications. VMSYS:P697F42A.QMF.SAMPLE
P697F42A	2D2	3390 3380 9345	5 5 5	6000	750	Contains serviced files VMSYS:P697F42A.QMF.DELTA
P697F42A	2A6	3390 3380 9345	2 2 2	2400	300	Contains AUX files and software inventory tables that represent the test service level of QMF for VM VMSYS:P697F42A.QMF.APPLYALT
P697F42A	2A2	3390 3380 9345	2 2 2	2400	300	Contains AUX files and software inventory tables that represent the service level of QMF for VM that is currently in production. VMSYS:P697F42A.QMF.APPLYPROD
P697F42A	501	3390 3380 9345	17 20 20	24000	3000	Test Build disk for QMF for VM Distribution Code. After testing, copy to 500 disk. VMSYS:P697F42A.QMF.TDISTRIB
P697F42A	500	3390 3380 9345	17 20 20	24000	3000	QMF for VM Distribution Code minidisk. VMSYS:P697F42A.QMF.DISTRIB
P697F42A	401	3390 3380 9345	18 21 21	25200	3150	Test Build disk for QMF for VM Production Code. After testing, copy to 400 disk. VMSYS:P697F42A.QMF.TQMFPROD
P697F42A	400	3390 3380 9345	18 21 21	25200	3150	QMF for VM Production Code minidisk. VMSYS:P697F42A.QMF.QMFPROD
P697F42A	191	3390 3380 9345	9 10 10	12000	1500	P697F42A user ID's 191 minidisk VMSYS:P697F42A.

Note: Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3380 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size. 19,950 4K blocks are needed for SFS install.

6.0 Installation Instructions

This chapter describes the installation methods and the step-by-step procedures to install and activate QMF for VM.

The step-by-step procedures are in two column format. The steps to be performed are in bold large numbers. Commands for these steps are on the left hand side of the page in bold print. Additional information for a command may exist to the right of the command. For more information about the two column format see "Understanding Dialogs with the System" in the *VM/ESA Installation Guide*.

Each step of the installation instructions must be followed. Do not skip any step unless directed to do so.

Throughout these instructions, the use of IBM-supplied default minidisk addresses and user IDs is assumed. If you use different user IDs, minidisk addresses, or SFS directories to install QMF for VM, adapt these instructions as needed for your environment.

Note

The sample console output presented throughout these instructions was produced on a VM/ESA 2.3.0 system. If you're installing QMF for VM on a different VM/ESA system, the results obtained for some commands may differ from those depicted here.

6.1 VMSES/E Installation Process Overview

The following is a brief description of the main steps in installing QMF for VM using VMSES/E.

- Plan Your Installation

Use the VMFINS command to load several VMSES/E files from the product tape and to obtain QMF for VM resource requirements.

- Allocate Resources

The information obtained from the previous step is used to allocate the appropriate minidisks (or SFS directories) and user IDs needed to install and use QMF for VM.

- Install the QMF for VM Product

Use the VMFINS command to load the QMF for VM product files from tape to the test BUILD and BASE minidisks/directories. VMFINS is then used to update the VM SYSBLDS file used by VMSES/E for software inventory management.

- Perform Post-installation Tasks

Information about file tailoring and initial activation of the program is presented in 6.6, "Post-Installation Considerations" on page 27.

- Place QMF for VM Files into Production

Once the product files have been tailored and the operation of QMF for VM is satisfactory, the product files are copied from the test BUILD disk(s) to production BUILD disk(s).

For a complete description of all VMSES/E installation options refer to *VMSES/E Introduction and Reference*.

6.2 Plan Your Installation For QMF for VM

The VMFINS command will be used to plan the installation. This section has 2 main steps that will:

- load the first tape file, containing installation files
- generate a 'PLANINFO' file listing
 - all user ID and mdisks/SFS directory requirements
 - required products

To obtain planning information for your environment:

1 Log on as QMF for VM installation planner.

This user ID can be any ID that has read access to MAINT's 5E5 minidisk and write access to the MAINT 51D minidisk.

2 Mount the QMF for VM installation tape and attach it to the user ID at virtual address 181. The VMFINS EXEC requires the tape drive to be at virtual address 181.

3 Establish read access to the VMSES/E code.

**link MAINT 5e5 5e5 rr
access 5e5 b**

The 5E5 disk contains the VMSES/E code.

4 Establish write access to the Software Inventory disk.

**link MAINT 51d 51d mr
access 51d d**

The MAINT 51D disk is where the VMSES/E system-level Software Inventory and other dependent files reside.

Note: If another user already has the MAINT 51D minidisk linked in write mode (R/W), you will only obtain read access (R/O) to this minidisk. If this occurs, you will need to have that user re-link the 51D in read-only mode (RR), and then re-issue the above LINK and ACCESS commands. Do not continue with these procedures until a R/W link is established to the 51D minidisk.

5 Load the QMF for VM product control files to the 51D minidisk.

vmfins install info (nomemo)

The NOMEMO option will load the memos from the tape but will not issue a prompt to send them to the system printer. Specify the MEMO option if you want to be prompted for printing the memo.

This command will perform the following:

- load Memo-to-Users
- load various product control files, including the Product Parameter File (PPF) and the PRODPART files
- create VMFINS PRODLIST on your A-disk. The VMFINS PRODLIST contains a list of products on the installation tape.

```
VMFINS2760I VMFINS processing started
VMFINS1909I VMFINS PRODLIST created on your A-disk
VMFINS2760I VMFINS processing completed successfully
Ready;
```

6 Obtain resource planning information for QMF for VM.

Notes:

- a. The product will **not** be loaded by the VMFINS command at this time.

vmfins install ppf 5697F42A {QMF | QMFSFS} (plan nomemo)

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

The PLAN option indicates that VMFINS will perform requisite checking, plan system resources, and provide an opportunity to override the defaults in the product parameter file.

You can override any of the following:

- the name of the product parameter file
- the default user IDs
- minidisk/directory definitions

Notes:

- a. If you change the PPF name, a default user ID, or other parameters via a PPF override, you will need to use your changed values instead of those indicated (when appropriate), throughout the rest of the installation instructions, as well as the instructions for servicing QMF for VM. For example, you will need to specify your PPF override file name instead of 5697F42A for certain VMSES/E commands.
- b. If you're not familiar with creating PPF overrides using VMFINS, you should review the "Using the Make Override Panel" section in Chapter 3 of the *VMSES/E Introduction and Reference* before you continue.
- c. For more information about changing the VMSYS file pool name refer to Chapter 3 in the *VMSES/E Introduction and Reference*.

```
VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5697F42A QMF
             :PRODID 5697F42A%QMF?
             Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5697F42A QMF :PRODID
             5697F42A%QMF
VMFREQ1909I 5697F42A PLANINFO created on your A-disk
VMFREQ2805I Product :PPF 5697F42A QMF :PRODID 5697F42A%QMF
             has passed requisite checking
VMFINT2603I Planning for the installation of product :PPF 5697F42A QMF
             :PRODID 5697F42A%QMF
VMFRMT2760I VMFRMT processing started
VMFRMT2760I VMFRMT processing completed successfully
VMFINS2760I VMFINS processing completed successfully
```

Note

Complete this step only if you received message VMFREQ2806W.

If you receive the following VMFREQ2806W message, you must do some additional processing.

```
VMFREQ2806W The following requisites for product :PPF 5697F42A QMF
:PRODID 5697F42A%QMF are not satisfied:
```

Type	Product	Component	PTF
-----	-----	-----	-----
Prerequisite	5697F42S		
Prerequisite	5684007A		
OR	568416A		
OR	568416B		

This message indicates that products DB2 for VM V7R1M0 and GDDM V2R3M0 or higher are pre-requisite products for QMF for VM. You need to install these pre-requisite products before continuing the install for QMF for VM.

- 7** Review the install message log (\$VMFINS \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview install

6.3 Allocate Resources for Installing QMF for VM

Use the planning information in the 5697F42A PLANINFO file, created in the **PLAN** step, to:

- Create the P697F42A user directory for minidisk install

OR

- Create the P697F42A user directory for SFS install

6.3.1 Installing QMF for VM on Minidisk

- 1** Obtain the user directory from the 5697F42A PLANINFO file.

Note: The user directory entry is located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and

privilege classes necessary for the P697F42A user ID. Use the directory entry found in PLANINFO as a model as input to your system directory.

- 2** Add the MDISK statements to the directory entry for P697F42A. Use Figure 10 on page 8 to obtain the minidisk requirements.
- 3** If you have GDDM V3R2 installed, you need to comment out or remove the following LINK statement from the QMF CP directory entry as GDDM V3R2 uses MAINT 19E as its production disk. If you are not using MAINT 19E then you need to change the LINK statement to reflect the GDDM production disk you are using.
 - For the P697F42A directory entry:
 - LINK P68416A 401 194 RR * GDDM TXTLIBS
- 4** If you are using ISPF with QMF for VM, you need to add a link for ISPF such as:
 - For the P697F42A directory entry:
 - LINK ISPVMM 193 193 RR * ISPF LIBRARIES
- 5** The DB2 VM Production disk is required when installing QMF. You need to change the LINK statement in the QMF CP directory entry for the DB2 VM V7 production disk you are using.
 - For the P697F42A directory entry:
 - LINK SQLMACH 195 195 RR * DB2 VM PRODUCTION DISK

If you are using a SFS directory for the DB2 for VM production disk then remove the LINK statement from the P697F42A directory. You will need to GRANT read authority to P697F42A for the DB2 for VM production code SFS directory at this time.
- 6** Add the P697F42A directory entry to the system directory. Change the password for P697F42A from xxxxx to a valid password, in accordance with your security guidelines.
- 7** Place the new directories on-line using VM/Directory Maintenance (DIRMAINT) or an equivalent CP directory maintenance method.

Note

All minidisks for the P697F42A user ID must be formatted before installing QMF for VM.

6.3.2 Installing QMF for VM in SFS Directories

- 1** Obtain the user directory from the 5697F42A PLANINFO file.

Note: The user directory entry is located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and privilege classes necessary for the P697F42A user ID. Use the directory entry found in PLANINFO as a model as input to your system directory.

2 If you have GDDM V3R2 installed, you need to comment out or remove the following LINK statement from the QMF CP directory entry as GDDM V3R2 uses MAINT 19E as its production disk. If you are not using MAINT 19E then you need to change the LINK statement to reflect the GDDM production disk you are using.

- For the P697F42A directory entry:
 - LINK P68416A 401 194 RR * GDDM TXTLIBS

3 If you are using ISPF with QMF for VM, you need to add a link for ISPF such as:

- For the P697F42A directory entry:
 - LINK ISPVMM 193 193 RR * ISPF LIBRARIES

4 The DB2 VM Production disk or SFS directory is required when installing QMF.

If you are using a minidisk for the DB2 for VM production disk, then you need to add a LINK statement in the QMF CP directory such as:

- LINK SQLMACH 195 195 RR * DB2 VM PRODUCTION DISK

If you are using a SFS directory for the DB2 for VM production disk, then remove the LINK statement from the P697F42A directory. You will need to GRANT read authority to P697F42A for the DB2 for VM production code SFS directory at this time.

5 Add the P697F42A directory entry to the system directory. Change the password for P697F42A from xxxxx to a valid password, in accordance with your security guidelines.

6 Place the new directories on-line using VM/Directory Maintenance (DIRMAINT) or an equivalent CP directory maintenance method.

7 An SFS installation will also require the following steps:

- a** Determine the number of 4K blocks that are required for SFS directories by adding up the 4K blocks required for each SFS directory you plan to use.

If you intend to use all of the default QMF for VM SFS directories, the 4K block requirements for the directories are summarized in Figure 10 on page 8.

This information will be used when enrolling the user ID, P697F42A, in the VMSYS filepool.

- b** Enroll user P697F42A in the VMSYS filepool using the ENROLL USER command:

```
ENROLL USER P697F42A VMSYS: (BLOCKS blocks
```

where *blocks* is the number of 4K blocks that you calculated in the previous step.

Note: This must be done from a user ID that is an administrator for VMSYS: filepool.

- c** Determine if there are enough blocks available in the filepool to install QMF for VM. This information can be obtained from the QUERY FILEPOOL STATUS command. Near the end of the output from this command is a list of minidisks in the filepool and the number of blocks free. If the number of blocks free is smaller than the total 4K blocks needed to install QMF for VM you will need to add space to the filepool. See the *VM/ESA SFS and CRR Planning, Administration, and Operation* manual for information on adding space to a filepool.
- d** Create the necessary subdirectories listed in the 5697F42A PLANINFO file using the CREATE DIRECTORY command.

**set filepool vmsys:
create directory *dirid***

dirid is the name of the SFS directory you're creating. An example of the create command is:

```
create directory vmsys:P697F42A.qmf  
create directory vmsys:P697F42A.qmf.object  
:
```

If necessary, see the *VM/ESA CMS Command Reference* manual for more information about the CREATE DIRECTORY command.

A complete list of default QMF for VM SFS directories is provided in Figure 10 on page 8.

- e** If you intend to use an SFS directory as the work space for the P697F42A user ID, include the following IPL control statement in the P697F42A directory entry:

```
IPL CMS PARM FILEPOOL VMSYS
```

This will cause CMS to automatically access the P697F42A's top directory as file mode A.

6.4 Install QMF for VM

The *ppfname* used throughout these installation instructions is **5697F42A**, which assumes you are using the PPF supplied by IBM for QMF for VM. If you have your own PPF override file for QMF for VM, you should use your file's *ppfname* instead of **5697F42A**. The *ppfname* you use should be used **throughout** the rest of this procedure.

- 1** Logon to the installation user ID **P697F42A**.
- 2** Create a PROFILE EXEC that will contain the ACCESS commands for MAINT 5E5 and 51D minidisks.

```
xedit profile exec a
====> input /**/
====> input 'access 5e5 b'
====> input 'access 51d d'
====> file
```

If either 5E5 or 51D is in a shared file system (SFS) then substitute your SFS directory name in the access command.

- 3** Run the profile to access MAINT's minidisks.

profile

- 4** If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user who has it linked R/W link it as R/O. You then can issue the following commands to obtain R/W access to it.

```
link MAINT 51d 51d mr
access 51d d
```

- 5** Have the QMF for VM installation tape mounted and attached to P697F42A at virtual address 181. The VMFINS EXEC requires the tape drive to be at virtual address 181.
- 6** Install QMF for VM.

Notes:

- If you've already created a PPF override file, you should specify your override file name, in place of the default PPF name (5697F42A), after the **PPF** keyword for the following VMFINS command.
- You may be prompted for additional information during VMFINS INSTALL processing depending on your installation environment. If you're unsure

how to respond to a prompt, refer to the "Installing Products with VMFINS" and "Install Scenarios" chapters in the *VMSES/E Introduction and Reference* to decide how to proceed.

vmfins install ppf 5697F42A {QMF | QMFSFS} (nomemo nolink

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

The NOLINK option indicates that you don't want VMFINS to link to the appropriate minidisks, only access them if not accessed.

```

VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5697F42A QMF
:PRODID 5697F42A%QMF?
Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5697F42A QMF :PRODID
5697F42A%QMF
VMFREQ2805I Product :PPF 5697F42A QMF :PRODID 5697F42A%QMF
has passed requisite checking
VMFINT2603I Installing product :PPF 5697F42A QMF :PRODID
5697F42A%QMF
VMFSET2760I VMFSETUP processing started for 5697F42A QMF
VMFUTL2205I Minidisk|Directory Assignments:
String Mode Stat Vdev Label/Directory
VMFUTL2205I LOCALSAM E R/W 2C2 QMF2C2
VMFUTL2205I APPLY F R/W 2A6 QMF2A6
VMFUTL2205I G R/W 2A2 QMF2A2
VMFUTL2205I DELTA H R/W 2D2 QMF2D2
VMFUTL2205I BUILD0 I R/W 401 QMF401
VMFUTL2205I BUILD2 J R/W 501 QMF501
VMFUTL2205I BASE1 K R/W 2B2 QMF2B2
VMFUTL2205I SYSTEM L R/O 195 SQL195
VMFUTL2205I ----- A R/W 191 QMF191
VMFUTL2205I ----- B R/O 5E5 MNT5E5
VMFUTL2205I ----- D R/W 51D MNT51D
VMFUTL2205I ----- S R/O 190 MNT190
VMFUTL2205I ----- Y/S R/O 19E RE-19E
VMFSET2760I VMFSETUP processing completed successfully
VMFREC2760I VMFREC processing started
VMFREC1852I Volume 1 of 1 of INS TAPE 0000
VMFREC1851I (1 of 8) VMFRCAXL processing AXLIST
VMFRCX2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (2 of 8) VMFRCPTF processing PARTLST
VMFRCP2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (3 of 8) VMFRCCOM processing DELTA
VMFRCC2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (4 of 8) VMFRCALL processing APPLY
VMFRC2159I Loading part(s) to APPLY 2A6 (F)
VMFRC2159I Loaded 2 part(s) to APPLY 2A6 (F)
VMFREC1851I (5 of 8) VMFRCALL processing BASE
VMFRC2159I Loading part(s) to BASE1 2B2 (K)
VMFRC2159I Loaded 959 part(s) to BASE1 2B2 (K)
VMFREC1851I (6 of 8) VMFRCALL processing SAMPLE
VMFRC2159I Loading part(s) to LOCALSAM 2C2 (E)
VMFRC2159I Loaded 1 part(s) to LOCALSAM 2C2 (E)
VMFREC1851I (7 of 8) VMFRCALL processing BUILD400
VMFRC2159I Loaded 154 part(s) to BUILD0 401 (I)
VMFREC1851I (8 of 8) VMFRCALL processing BUILD500
VMFRC2159I Loading part(s) to BUILD2 501 (J)
VMFRC2159I Loaded 773 part(s) to BUILD2 501 (J)
VMFREC2760I VMFREC processing completed successfully
VMFINT2603I Product installed
VMFINS2760I VMFINS processing completed successfully

```

- 7 Review the install message log (\$VMFINS \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview install

6.4.1 Update Build Status Table for QMF for VM

- 1 Update the VM SYSBLDS software inventory file for QMF for VM.

vmfins build ppf 5697F42A {QMF | QMFSFS} (serviced nolink

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

The SERVICED option will build any parts that were not built on the installation tape (if any) and update the Software Inventory build status table showing that the product 5697F42A has been built.

- 2 Review the install message log (\$VMFINS \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview install

6.5 Place QMF for VM Into Production

6.5.1 Define and Build the QMF for VM Saved Segments Using VMSES/E

It is recommended that segments be built for QMF for VM. First the segments are defined to the system using the segment mapping tool VMFSGMAP. Once the segments are defined VMFBLD is used to build them.

For more information on using VMSES/E for saved segments, review the chapter, "Using VMSES/E to Define, Build, and Manage Saved Segments" in the *VM/ESA Planning and Administration* manual.

Note: The defining and building of the QMF for VM saved segments should be performed from the installation user ID. If you move any segments that are currently defined on your system you must ensure that they are rebuilt from the user ID that maintains them.

- 1 Logon to the installation user ID **P697F42A**.

4 Go to Add Segment Definition panel by pressing PF10.

F10

F10 takes you from the Segment Map panel to the Add Segment Definition panel. See Figure 12 to see the Add Segment Definition panel that will be displayed.

```

                                     Add Segment Definition
                                     Lines 1 to nn of nn

OBJNAME.....: QMF710E
DEFPARMS....:
SPACE.....:
TYPE.....: SEG
OBJDESC.....:
OBJINFO.....:
GT_16MB....: NO
DISKS.....:
SEGREQ.....:
PRODID.....: 5697F42A QMF
BLDPARMS...: UNKNOWN

F1=Help      F2=Get Obj   F3=Exit      F4=Add Line  F5=Map       F6=Chk MEM
F7=Bkwd     F8=Fwd       F9=Retrieve  F10=Seginfo F11=Adj MEM  F12=Cancel
====>
```

Figure 12. Add Segment Definition panel example.

5 Obtain the QMF for VM segment definitions from the PRODPART file by filling in the appropriate fields on the add segment definition panel.

OBJNAME.....: QMF710E
PRODID.....: 5697F42A QMF

Use **QMF** for building segments from a minidisk or **QMFSFS** for building segments from SFS directories.

F10

F10 will obtain the QMF for VM segment information from the 5697F42A PRODPART file. See Figure 13 on page 24 for the refreshed Add Segment definition panel that will be displayed.

```

                                Add Segment Definition
                                More: +
                                Lines 1 to nn of nn

OBJNAME....: QMF710E
DEFPARMS...: 1B00-1DFF SR
SPACE.....:
TYPE.....: SEG
OBJDESC....: QMF DCSS
OBJINFO....: Do not overlap DB2 and GDDM base segments. You must
              : link to the GDDM product disk at the address listed
              : below while building the QMF DCSS.
GT_16MB....: YES
DISKS.....: 194
SEGREQ.....:
PROID.....: 5697F42A QMF
BLDPARMS...: PPF(5697F42A QMF DSQ2EBSG

VMFMSMD2760I SEGINFO processing completed SUCCESSFULLY

F1=Help      F2=Get Obj   F3=Exit      F4=Add Line  F5=Map      F6=Chk MEM
F7=Bkwd     F8=Fwd       F9=Retrieve  F10=Seginfo F11=Adj MEM F12=Cancel
====>

```

Figure 13. Add Segment Definition panel showing the new segments

At this point you can modify the segment definition by updating the Add Segment Definition panel. Some things to keep in mind are:

- a. You must be linked to the GDDM base production (TXTLIB) disk when you load the QMF shared segment. The cuu address (or SFS directory) must be specified in the DISKS field in the panel above. The default address for the GDDM base production (TXTLIB) disk is 194. If you are using MAINT 19E as the GDDM production disk, remove the 194 entry from the DISKS field.
- b. If you have your own PPF override then you need to change the BLDPARMS field to reflect this.
- c. The QMF DCSS should not overlap the DCSS of the QMF interface products, (ie. GDDM, DB2 for VM, ISPF).

6 Go back to the Segment Map panel.

access (noprof

Bypass the execution of the PROFILE EXEC.

b Access the VMSES/E code

access 5e5 b

c Establish write access the Software Inventory Disk

link MAINT 51d 51d mr
access 51d d

d You must be linked to the GDDM base production (TXTLIB) disk to load the QMF shared segment. The default address is 194 for GDDM. This was specified in the Add Segment Definition panel. Link to your GDDM disks at the address you specified on the Add Segment Definition Panel.

link p68416a 401 194 rr

If GDDM is using the MAINT 19E for its production disk, then do not issue the link for the 194 disk; nor a link for MAINT 19E as it should already be linked.

9 Issue VMFBLD command to build the QMF for VM segments.

vmfbld ppf segbld esasegs segblist QMF710E (serviced

Note: If you received the message:

VMFBDS2003W The SYSTEM SEGID D(51D) file has been changed and must be moved to the S disk.

then the SYSTEM SEGID file on the CMS system disk (MAINT 190) and CMS test system disk (MAINT 490) must be updated. You need to log on to your MAINT user ID and copy the SYSTEM SEGID file from the MAINT 51D disk to the MAINT 190 and MAINT 490 disks. (The SYSTEM SEGID must have a filemode of **2**.)

6.5.2 Copy QMF for VM Files Into Production

- 1** Logon to the installation user ID **P697F42A**.
- 2** To copy QMF Test Distribution files to the QMF Distribution disk when installing using minidisks:

```
access 501 e
access 500 f
vmfcopy * * e = = f (prodid 5697F42A%QMF olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the 500 distribution disk.

Note: When installing using Shared File System directories instead of the **access 501 e** and **access 500 f** do **access P697F42A.qmf.tdistrib e** and **access P697F42A.qmf.distrib f**.

- 3** To copy QMF Test Production files to the QMF Production disk when installing using minidisks:

```
access 401 e
access 400 f
vmfcopy * * e = = f (prodid 5697F42A%QMF olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the 400 production disk.

Note: When installing using Shared File System directories instead of the **access 401 e** and **access 400 f** do **access P697F42A.qmf.tqmfprod e** and **access P697F42A.qmf.qmfprod f**.

QMF for VM is now installed and built on your system.

6.6 Post-Installation Considerations

Now that you have completed the VMSES/E installation of QMF for VM V7 and built the QMF DCSS, you must follow the steps in *Installing and Managing QMF on VM/ESA* (GC27-0720) to install QMF for VM V7 into the DB2 for VM database and run the IVP. *Installing and Managing QMF on VM/ESA* also contains information on starting QMF.

7.0 Service Instructions

This section of the Program Directory contains the procedure to install CORrective service to QMF for VM. VMSES/E is used to install service for QMF for VM.

To become more familiar with service using VMSES/E, you should read the introductory chapters in the *VMSES/E Introduction and Reference*. This manual also contains the command syntax for the VMSES/E commands listed in the procedure.

Note: Each step of the servicing instructions must be followed. Do not skip any step unless directed to do so. All instructions showing accessing of disks assume the use of default minidisk addresses. If different minidisk addresses are used, or if using a shared file system, change the instructions appropriately.

7.1 VMSES/E Service Process Overview

The following is a brief description of the main steps in servicing QMF for VM using VMSES/E.

- Setup Environment

Access the software inventory disk. Use VMFSETUP command to establish the correct minidisk access order.

- Merge Service

Use the VMFMRDSK command to clear the alternate apply disk before receiving new service. This allows you to remove the new service if a serious problem is found.

- Receive Service

The VMFREC command receives service from the delivery media and places it on the Delta disk.

- Apply Service

The VMFAPPLY command updates the version vector table (VVT), which identifies the service level of all the serviced parts. In addition, AUX files are generated from the VVT for parts that require them.

- Reapply Local Service (if applicable)

All local service (mods) must be entered into the software inventory to allow VMSES/E to track the changes and build them into the system. Refer to Chapter 7 in the *VM/ESA Service Guide* for this procedure.

- Build New Levels

The build task generates the serviced level of an object and places the new object on a test BUILD disk.

- Place the New Service into Production

Once the service is satisfactorily tested it should be put into production by copying the new service to the production disk, re-saving the NSS (Named Saved System) or DCSS (Discontiguous Saved Segments), etc.

Note: You may want to build a test NSS or DCSS first. After successful test you can re-save the new NSS or DCSS.

7.2 Servicing QMF for VM

7.2.1 Prepare to Receive Service

Electronic Service (envelope file)

If you have received the service electronically or on CD-ROM, follow the appropriate instructions to retrieve and decompact the envelope file to your A-disk. The decompaction is currently done by using the DETERSE MODULE. The file names of the decompacted files will be of the format:

- VLST*num* for the documentation envelope
- VPTF*num* for the service envelope

The file type for both of these files must be SERVLINK. You will need to enter the file name on the VMFREC commands that follow.

The *ppfname* used throughout these servicing instructions is **5697F42A**, which assumes you are using the PPF supplied by IBM for QMF for VM. If you have your own PPF override file for QMF for VM, you should use your file's *ppfname* instead of **5697F42A**. The *ppfname* you use should be used **throughout** the rest of this procedure, unless otherwise stated differently.

1 Logon to QMF for VM service user ID **P697F42A**

2 If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user that has it accessed R/W link it R/O. You then can issue the following commands to obtain R/W access to it.

**link MAINT 51d 51d mr
access 51d d**

The 51D minidisk is where the VMSES/E Software Inventory files and other product dependent files reside.

3 Have the QMF for VM CORrective service tape mounted and attached to **P697F42A**. (If you have a SERVLINK file make sure that it is available on the A-disk.)

4 Establish the correct minidisk access order.

vmfsetup 5697F42A {QMF | QMFSFS}

5697F42A is the PPF that was shipped with the product. If you have your own PPF override you should substitute your PPF name for 5697F42A.

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

5 Receive the documentation.

a If receiving the service from tape

vmfrec info

The INFO option loads the documentation (including the product service memo) to the 191 disk and displays a list of products on the tape.

b If receiving the service from an envelope file

vmfrec info (env vlstnum

The INFO option loads the documentation (including the product service memo) to the 191 disk and displays a list of products on the tape.

6 Check the receive message log (\$VMFREC \$MSGLOG) for warning and error messages.

vmfview receive

Also make note of which products and components have service on the tape. To do this, use the PF5 key to show all status messages which identify the products on the tape.

7 Read the product memo (5697F42A MEMO) before going on.

8 Setup the correct product access order.

vmfsetup 5697F42A {QMF | QMFSFS}

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

9 Merge previously applied service to ensure that you have a clean alternate APPLY disk for new service.

vmfmrdsk 5697F42A {QMF | QMFSFS} apply

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

This command clears the alternate APPLY disk.

- 10** Review the merge message log (\$VMFMRD \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview mrd

7.2.2 Receive the Service

Note: If you are installing multiple service tapes, you can receive all of the service for this prodid before applying and building it.

For **each** service tape or electronic envelope you want to receive, do the following:

- 1** Receive the service.

- a** If receiving the service from tape

vmfrec ppf 5697F42A {QMF | QMFSFS}

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

This command receives service from your service tape. All new service is loaded to the DELTA disk.

- b** If receiving the service from the PTF envelope file

vmfrec ppf 5697F42A {QMF | QMFSFS} (env vptfnum

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

This command receives service from your service envelope. All new service is loaded to the DELTA disk.

- 2** Review the receive message log (\$VMFREC \$MSGLOG). If necessary, correct any problems before going on. For information about handling

specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview receive

7.2.3 Apply the Service

- 1 Apply the new service.

vmfapply ppf 5697F42A {QMF | QMFSFS}

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

This command applies the service that you just received. The version vector table (VVT) is updated with all serviced parts and all necessary AUX files are generated on the alternate APPLY disk.

You must review the VMFAPPLY message log if you receive a return code (RC) of a 4, as this may indicate that you have local modifications that need to be reworked.

- 2 Review the apply message log (\$VMFAPP \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview apply

Note

If you get the message VMFAPP2120W then re-apply any local modifications before building the new QMF for VM. Refer to chapter 7 in the *VM/ESA Service Guide*. Follow the steps that are applicable to your local modification.

The following substitutions need to be made:

- **esalcl** should be **5697F42A**
- **esa** should be **5697F42A**
- *compname* should be **QMF** or **QMFSFS** (minidisk or SFS)
- *appid* should be **5697F42A**
- *fm-local* should be the fm of 2C2
- *fm-applyalt* should be the fm of 2A6
- **outmode localmod** should be **outmode localsam**

If you have changed any of the installation parameters through a PPF override, you need to substitute your changed values where applicable.

Keep in mind that when you get to the "Return to the Appropriate Section to Build Remaining Objects" or "Rebuild Remaining Objects" step in the *VM/ESA Service Guide*, you should return back to this program directory at 7.2.4, "Update the Build Status Table" on page 33.

7.2.4 Update the Build Status Table

- 1 Update the Build Status Table with serviced parts.

vmfbld ppf 5697F42A {QMF | QMFSFS} (status

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

This command updates the Build Status Table.

Note

If the \$PPF files have been serviced you will get the following prompt:

```
VMFBLD2185R The following source product parameter files have been
serviced:
VMFBLD2185R 5697F42A $PPF
VMFBLD2185R When source product parameter files are serviced, all
product parameter files built from them must be recompiled
using VMFPPF before VMFBLD can be run.
VMFBLD2185R Enter zero (0) to have the serviced source product
parameter files built to your A-disk and exit VMFBLD so
you can recompile your product parameter files with VMFPPF.
VMFBLD2185R Enter one (1) to continue only if you have already
recompiled your product parameter files with VMFPPF.
```

0 Enter a 0 and complete the following steps before you continue.

```
VMFBLD2188I Building 5697F42A $PPF
on 191 (A) from level $PFnnnnn
```

vmfppf 5697F42A *

Note: If you've created your own PPF override then use your PPF name instead of 5697F42A.

**copyfile 5697F42A \$PPF a = = d (olddate replace
erase 5697F42A \$PPF a**

Note: Do not use your own PPF name in place of 5697F42A for the COPYFILE and ERASE commands.

vmfbld ppf 5697F42A {QMF | QMFSFS} (status

1 Re-issue VMFBLD to complete updating the build status table.
Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories. When you receive the prompt that was previously displayed, enter a 1 to continue.

2 Use VMFVIEW to review the build status messages, and see what objects need to be built.

vmfview build

7.2.5 Build Serviced Objects

- 1 Rebuild QMF for VM serviced parts.

vmfbld ppf 5697F42A {QMF | QMFSFS} (serviced

Use **QMF** for installing on minidisks or **QMFSFS** for installing in Shared File System directories.

Note: If your software inventory disk (51D) is not owned by the MAINT user ID then make sure the VMSESE PROFILE reflects the correct owning user ID.

- 2 Review the build message log (\$VMFBLD \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview build

7.3 Place the New QMF for VM Service Into Production

7.3.1 Rebuild the Saved Segments

Note: Before saving the QMF DCSS, QMF710E, you can build a test DCSS. The commands to do this for a test DCSS called QMF710T are below. You must be linked to the DB2 for VM 195 disk as 195 and the GDDM production disk as 194.

- VMLINK SQLDBA 195 <195
- VMLINK GDDM <194
- DEFSEG QMF710T 1B00-1DFF SR
- DSQ2ESEG QMF710T

You can test the QMF710T DCSS by using the test QMF libraries and the test DCSS.

Once satisfied with the test, you can then save the production DCSS, QMF710E, using the process below.

- 1 Prepare to build the segments.

a IPL CMS to clear the virtual storage

ipl cms parm clear nosprof instseg no

**** DO NOT press ENTER at the VM READ!****

access (nosprof

IPL CMS to clear your virtual machine. This command bypasses the execution of the system profile (SYSPROF EXEC) and without loading the installation saved segment (CMSINST).

Bypass the execution of the PROFILE EXEC.

b Access the VMSES/E code

access 5e5 b

c Establish write access the Software Inventory Disk

**link MAINT 51d 51d mr
access 51d d**

d You must be linked to the GDDM base production (TXTLIB) disk to load the QMF shared segment. The default address is 194 for GDDM. This was specified in the Add Segment Definition panel. Link to your GDDM disk at the address you specified on the Add Segment Definition Panel.

link p68416a 401 194 rr

If GDDM is using the MAINT 19E for its production disk, then do not issue the link for the 194 disk; nor a link for MAINT 19E as it should already be linked.

2 Re-save the QMF for VM segments.

vmfbld ppf segbld esasegs segbld QMF710E (serviced

Note: If you received the message:

VMFBDS2003W The SYSTEM SEGID D(51D) file has been changed and must be moved to the S disk.

then the SYSTEM SEGID file on the CMS system disk (MAINT 190) and CMS test system disk (MAINT 490) must be updated. You need to log on to your MAINT user ID and copy the SYSTEM SEGID file from the MAINT 51D disk to the MAINT 190 and MAINT 490 disks.

- 3 Review the build message log (\$VMFBLD \$MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see *VM/ESA: System Messages and Codes*, or use on-line HELP.

vmfview build

7.3.2 Copy the New QMF for VM Serviced Files Into Production

- 1 Logon to the installation user ID **P697F42A**.
- 2 To copy QMF Test Distribution files to the QMF Distribution disk when installing using minidisks:

```
access 501 e
access 500 f
vmfcopy * * e = f (prodid 5697F42A%QMF olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the 500 distribution disk.

Note: When installing using Shared File System directories instead of the **access 501 e** and **access 500 f** do **access P697F42A.qmf.tdistrib e** and **access P697F42A.qmf.distrib f**.

- 3 To copy QMF Test Production files to the QMF Production disk when installing using minidisks:

```
access 401 e
access 400 f
vmfcopy * * e = f (prodid 5697F42A%QMF olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the 400 production disk.

Note: When installing using Shared File System directories instead of the **access 401 e** and **access 400 f** do **access P697F42A.qmf.tqmfprod e** and **access P697F42A.qmf.qmfprod f**.

You have finished servicing QMF for VM.

Appendix A. Create Product Parameter File (PPF) Override

This section provides information to help you create a product parameter file (PPF) override. The example used in this section shows how to change the shared file system (SFS) file pool where QMF for VM files reside.

Note: Do **not** modify the product supplied 5697F42A \$PPF or 5697F42A PPF files to change the file pool name or any other installation parameters. If the 5697F42A \$PPF file is serviced, the existing \$PPF file will be replaced, and any changes to that file will be lost; by creating your own \$PPF override, your updates will be preserved.

The following process describes changing the default file pool name, VMSYS, to MYPOOL1:

- 1 Create a new \$PPF override file, or edit the override file created via the 'Make Override Panel' function.

xedit *overname* \$PPF *fm*2

overname is the PPF override file name (such as 'myqmf') that you want to use.

fm is an appropriate file mode. If you create this file yourself, specify a file mode of A.

If you modify an existing override file, specify a file mode of A or D, based on where the file currently resides (A being the file mode of a R/W 191 minidisk, or equivalent; D, that of the MAINT 51D minidisk).

- 2 Create (or modify as required) the Variable Declarations (:DCL.) section for the qmfsfs override area, so that it resembles the :DCL. section shown below. This override will be used for the installation of QMF for VM.

```

:OVERLST. QMFSFS
*
* ===== *
* Override Section for Initial Installation (Using SFS Directories) *
* ===== *
:QMFSFS. QMFSFS 5697F42A
:DCL. REPLACE
&INST191 DIR MYP00L1:P697F42A.
&SAMPZ DIR MYP00L1:P697F42A.QMF.SAMPLE
&DELTZ DIR MYP00L1:P697F42A.QMF.DELTA
&APPLX DIR MYP00L1:P697F42A.QMF.APPLYALT
&APPLZ DIR MYP00L1:P697F42A.QMF.APPLYPROD
&BAS1Z DIR MYP00L1:P697F42A.QMF.OBJECT
&BLD0Z DIR MYP00L1:P697F42A.QMF.TQMFPROD
&DISK9 DIR MYP00L1:P697F42A.QMF.TDISTRIB
&BLD1Z DIR MYP00L1:P697F42A.QMF.QMFPROD
&DISK10 DIR MYP00L1:P697F42A.QMF.DISTRIB
&QMFID1 USER P697F42A
&DB2195 DIR MYP00L:SQLMACH.SQL.PRODUCTION
:EDCL.
:END.
*

```

(This override will replace the :DCL. section of the qmfsfs override area of the 5697F42A \$PPF file.)

- 3 If your \$PPF override file was created at file mode A, copy it to file mode D—the Software Inventory minidisk (MAINT 51D). Then erase it from file mode A.

file

copyfile *overname* \$PPF *fm* = = d (*olddate*)

erase *overname* \$PPF *fm*

- 4 Compile your changes to create the usable *overname* PPF file.

vmfppf *overname* QMFSFS

where *overname* is the file name of your \$PPF override file.

Now that the *overname* PPF file has been created, you should specify *overname* instead of 5697F42A as the PPF name to be used for those VMSES/E commands that require a PPF name.

Reader's Comments

Query Management Facility for VM/ESA Version 7 Release 1.0

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Program Number: 5697-F42 6090
6088
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Printed in U.S.A.

G110-8329-00

