



**Program Directory for
MQSeries link for R/3
for OS/390**

Version 1 Release 2, Modification Level 0

Program Number 5655-F39

FMID H25O120

for Use with
OS/390

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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 IBM MQSeries link for R/3 for OS/390. This publication refers to IBM MQSeries link for R/3 for OS/390 as MQSeries link for R/3 for OS/390. 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 MQSeries link for R/3 for OS/390.
- 3.0, “Program Support” on page 6 describes the IBM support available for MQSeries link for R/3 for OS/390.
- 4.0, “Program and Service Level Information” on page 7 lists the APARs (program level) and PTFs (service level) incorporated into MQSeries link for R/3 for OS/390.
- 5.0, “Installation Requirements and Considerations” on page 8 identifies the resources and considerations for installing and using MQSeries link for R/3 for OS/390.
- 6.0, “Installation Instructions” on page 13 provides detailed installation instructions for MQSeries link for R/3 for OS/390. It also describes the procedures for activating the functions of MQSeries link for R/3 for OS/390, or refers to appropriate publications.

Before installing MQSeries link for R/3 for OS/390, 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 MQSeries link for R/3 for OS/390 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 MQSeries link for R/3 for OS/390 using the MVS 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 MQSeries link for R/3 for OS/390 are included on the CBPDO tape.

1.1 MQSeries link for R/3 for OS/390 description

MQSeries Link for R/3 connects your existing R/3 business applications with other R/3 systems, in addition to R/2, and non-SAP legacy systems. It also connects SAP R/3 with other programs across IBM and compatible platforms. Programming resources are used efficiently, applications are easily adaptable and more flexible and network management is easier. Programs become independent of communications protocols and the availability of systems.

1.2 MQSeries link for R/3 for OS/390 FMID

MQSeries link for R/3 for OS/390 consists of the following FMID:

H25O120

2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for MQSeries link for R/3 for OS/390 is 5655-F39.

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 MQSeries link for R/3 for OS/390. 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 9-track magnetic tape (written at 6250 BPI), 3480 cartridge, or 4mm cartridge. The tape or cartridge contains all the programs and data needed for installation. 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 tape or cartridge.

<i>Figure 1. Basic Material: Program Tape</i>				
Medium	Feature Number	Physical Volume	External Label Identification	VOLSER
3480 cart	5802	1	MQSeries link R/3 for OS/390 Version 1.2.0 (English)	25O120
4mm cart	6428	1	MQSeries link R/3 for OS/390 Version 1.2.0 (English)	25O120
6250 tape	5801	1	MQSeries link R/3 for OS/390 Version 1.2.0 (English)	25O120
3480 cart	5812	1	MQSeries link R/3 for OS/390 Version 1.2.0 (Japanese)	25O120
4mm cart	6429	1	MQSeries link R/3 for OS/390 Version 1.2.0 (Japanese)	25O120
6250 tape	5811	1	MQSeries link R/3 for OS/390 Version 1.2.0 (Japanese)	25O120

Figure 2 describes the file content of the tape or cartridge.

<i>Figure 2 (Page 1 of 2). Program tapes: file content</i>							
VOLSER	F i l e	Name	Dist Library	O R G	R E C F M	L R E C L	BLK SIZE
25O120	1	SMPMCS	n/a	SEQ	FB	80	8800

Figure 2 (Page 2 of 2). Program tapes: file content

VOLSER	F i l e Name	Dist Library	O R G	R E C F M	L R E C L	BLK SIZE
2	IBM.H25O120.F1	AASQINST	PDS	FB	80	8800
3	IBM.H25O120.F2	AASQJCL	PDS	FB	80	8800
4	IBM.H25O120.F3	AASQTAR	PDS	VB	32000	32004
5	IBM.H25O120.F4	AASQASM	PDS	FB	80	8800

2.2 Program Publications

The following sections identify the basic and optional publications for MQSeries link for R/3 for OS/390.

2.2.1 Basic Program Publications

Figure 3 identifies the basic unlicensed program publications for MQSeries link for R/3 for OS/390. One copy of each of these publications is included when you order the basic materials for MQSeries link for R/3 for OS/390. For additional copies, contact your IBM representative.

Figure 3. Basic Material: Unlicensed Publications

Publication Title	Form Number
MQSeries link for R/3 Users Guide	GC33-1934

2.2.2 Optional Program Publications

No optional publications are provided for MQSeries link for R/3 for OS/390.

2.3 Program Source Materials

No program source materials or viewable program listings are provided for MQSeries link for R/3 for OS/390.

2.4 Publications Useful During Installation

The publications listed in Figure 4 may be useful during the installation of MQSeries link for R/3 for OS/390. To order copies, contact your IBM representative.

Figure 4. Publications Useful During Installation

Publication Title	Form Number
<i>OS/390 MVS JCL Reference</i>	GC28-1757
<i>OS/390 SMP/E User's Guide</i>	SC28-1740
<i>OS/390 SMP/E Commands</i>	SC28-1805
<i>OS/390 SMP/E Reference</i>	SC28-1806
<i>OS/390 SMP/E Messages and Codes</i>	SC28-1738
<i>OS/390 MVS Initialization and Tuning Reference</i>	SC28-1752
<i>OS/390 UNIX System Services Assembler Callable Services</i>	SC28-1899
<i>OS/390 UNIX System Services Planning</i>	SC28-1890
<i>OS/390 UNIX System Services Users Guide</i>	SC28-1891
MQSeries Application Programming Guide	SC33-0807
MQSeries MQSC Command Reference	SC33-1369
MQSeries Application Programming Reference	SC33-1673
MQSeries Intercommunication	SC33-1872
MQSeries Using C++	SC33-1877
MQSeries Programming Interfaces Reference Summary	SX33-6095
MQSeries Queue Manager Clusters	SC34-5349
MQSeries for OS/390 Messages and Codes	GC34-5891
MQSeries for OS/390 Problem Determination Guide	GC34-5892
MQSeries Application Messaging Interface	SC34-5604
MQSeries for OS/390 Concepts and Planning Guide	GC34-5650
MQSeries for OS/390 System Setup Guide	SC34-5651
MQSeries for OS/390 System Administration Guide	SC34-5652
MQSeries Event Monitoring	SC34-5760
MQSeries Family: Product Summaries	GC34-5780

3.0 Program Support

This section describes the IBM support available for MQSeries link for R/3 for OS/390.

3.1 Program Services

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

3.2 Preventive Service Planning

Before installing MQSeries link for R/3 for OS/390, you should review the current Preventive Service Planning (PSP) information. If you obtained MQSeries link for R/3 for OS/390 as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO tape.

If you obtained MQSeries link for R/3 for OS/390 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".

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 MQSeries link for R/3 for OS/390 are:

Figure 5. PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
MQMAPP	H25O120	MQSeries link for R/3 for OS/390

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 MQSeries link for R/3 for OS/390.

Figure 6. Component IDs

FMID	COMPID	Component Name	RETAIN Release
H25O120	5655F3900	MQSeries link for R/3 for OS/390	120

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of MQSeries link for R/3 for OS/390. 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 MQSeries link for R/3 for OS/390.

4.2 Service Level Information

No PTFs against this release of MQSeries link for R/3 for OS/390 have been incorporated into the product tape.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating MQSeries link for R/3 for OS/390. 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 MQSeries link for R/3 for OS/390.

5.1.1 Machine Requirements

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

5.1.2 Programming Requirements

Figure 7. Driving System Software Requirements

Program Number	Product Name and Minimum VRM/Service Level
5647-A01	OS/390 SMP/E Version 2 Release 6 or higher

5.2 Target System Requirements

This section describes the environment of the target system required to install and use MQSeries link for R/3 for OS/390.

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
5655-F10	MQSeries for OS/390 Version 5 Release 2 or higher
5647-A01	OS/390 Version 2 Release 8

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.

MQSeries link for R/3 for OS/390 has no functional requisites.

5.2.2.3 Toleration/Coexistence Requisites

A toleration/coexistence requisite is defined as a product which must be present on a sharing system. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

MQSeries link for R/3 for OS/390 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.

MQSeries link for R/3 for OS/390 has no negative requisites.

5.2.3 DASD Storage Requirements

MQSeries link for R/3 for OS/390 libraries can reside on any type of DASD.

Figure 9 lists the total space required for each type of library.

<i>Figure 9. Total DASD Space Required by MQSeries link for R/3 for OS/390</i>	
Library Type	Total Space Required on 3390
Target	5 Tracks
Distribution	29 Tracks
HFS	1 Megabyte

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. In order 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. In order 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. In order 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 6.1.7, "Allocate SMP/E Target and Distribution Libraries" on page 15.

3. Abbreviations used for the HFS Path type are:

- N** New path, created by this product.
- P** Previously existing path, created by another product.

4. 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

5. 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.

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

- The data set may be in the LPA
- It is not required for the data set to be in the LPA
- The data set may be in the LNKST
- It is not required for the data set to be APF authorized

The following figures describe the target and distribution libraries and HFS paths required to install MQSeries link for R/3 for OS/390. The storage requirements of MQSeries link for R/3 for OS/390 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.

<i>Figure 10. Storage Requirements for MQSeries link for R/3 for OS/390 Target Libraries</i>									
Library DDNAME	Member Type	Target Volume	T Y P E	O R G	R E C M	L R C L	No. of 3390 Trks	No. of DIR Blks	
SASQINST	JCL	ANY	U	PO	FB	80	3	2	
SASQJCL	JCL	ANY	U	PO	FB	80	2	4	
SASQASM	Sample	ANY	U	PO	FB	80	1	1	

Figure 11. MQSeries link for R/3 for OS/390 HFS Paths

DDNAME	T Y P E	Path Name
SASQOTAR	N	/usr/lpp/smq/IBM

Figure 12. Storage Requirements for MQSeries link for R/3 for OS/390 Distribution Libraries

Library DDNAME	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
AASQINST	U	PO	FB	80	3	4
AASQJCL	U	PO	FB	80	2	4
AASQTAR	U	PO	VB	32000	26	4
AASQASM	U	PO	FB	80	1	4

5.3 Special Considerations

MQSeries link for R/3 for OS/390 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 MQSeries link for R/3 for OS/390.

Please note the following:

- If you want to install MQSeries link for R/3 for OS/390 into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing MQSeries link for R/3 for OS/390

6.1.1 SMP/E Considerations for Installing MQSeries link for R/3 for OS/390

This release of MQSeries link for R/3 for OS/390 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.

Note: Run these jobs with a user id which has root authority.

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.

<i>Figure 13. SMP/E Options Subentry Values</i>		
SUB-ENTRY	Value	Comment
DSSPACE	(30,10,10)	
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 Unload the Sample Installation JCL from the Product Tape

The following sample installation jobs are provided on the distribution tape to help you install MQSeries link for R/3 for OS/390:

Figure 14. Sample Installation Jobs

Job Name	Job Type	Description	RELFILE
ASQ8RECV	RECEIVE	Sample RECEIVE job	IBM.H25O120.F1
ASQ8ALOC	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.H25O120.F1
ASQ8MKDJ	JCL	JCL to invoke the MKDIR job ASQ8MKDR	IBM.H25O120.F1
ASQ8MKDR	MKDIR	Sample job to create the HFS paths	IBM.H25O120.F1
ASQ8DDDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.H25O120.F1
ASQ8APLY	APPLY	Sample APPLY job	IBM.H25O120.F1
ASQ8ACPT	ACCEPT	Sample ACCEPT job	IBM.H25O120.F1
ASQ8GZON	GZONE	Sample job to set up an SMP/E global zone	IBM.H25O120.F1
ASQ8DZON	DZONE	Sample job to set up an SMP/E distribution zone	IBM.H25O120.F1
ASQ8TZON	TZONE	Sample job to set up an SMP/E target zone	IBM.H25O120.F1

You may copy the jobs from the tape by submitting the job below. 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=*
//IN DD DSN=IBM.H25O120.F1,UNIT=tunit,VOL=SER=250120,
// LABEL=(2,SL),DISP=(OLD,KEEP)
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// DCB=*.STEP1.IN,SPACE=(TRK,(2,2,4))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=IN,OUTDD=OUT
/*
```

where **tunit** is the unit value matching the product tape or cartridge, **jcl-library-name** is the name of the data set where the sample jobs will reside, and **dasdvol** is the volume serial of the DASD device where the data set will reside.

You can also access the sample installation jobs by performing an SMP/E RECEIVE for FMID H25O120, and then copying the jobs from data set **IBM.H25O120.F1** to a work data set for editing and submission.

Note: Steps 6.1.4, 6.1.5, and 6.1.6 are optional, they are only required if MQSeries link for R/3 for OS/390 is to be installed using new zones.

6.1.4 Set up GZONE (optional)

Edit and submit sample job ASQ8GZON to set up an SMP/E global zone for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

This job has five steps; each should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.5 Set up DZONE (optional)

Edit and submit sample job ASQ8DZON to set up an SMP/E distribution zone for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

This job has four steps; each should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.6 Set up TZONE (optional)

Edit and submit sample job ASQ8TZON to set up an SMP/E target zone for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

This job has five steps; each should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.7 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job ASQ8ALOC to allocate the SMP/E target and distribution libraries for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

This job has two steps; each should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.8 Allocate HFS Paths

Edit and submit sample job ASQ8MKDJ to create the HFS paths for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

If you plan to create a new HFS for this product, you should consider updating the BPXPRMxx PARMLIB member to mount the new HFS at IPL time. This may be helpful if an IPL occurs before the installation is complete.

Expected Return Codes and Messages:

This job has one step; it should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.9 Create DDDEF Entries

Edit and submit sample job ASQ8DDDF to create DDDEF entries for the SMP/E target and distribution libraries for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

This job has three steps; each should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.10 Perform SMP/E RECEIVE

Edit and submit sample job ASQ8RECV to perform the SMP/E RECEIVE for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information.

NOTE: If you obtained MQSeries link for R/3 for OS/390 as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the MQSeries link for R/3 for OS/390 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:

This job has one step; it should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.11 Perform SMP/E APPLY

Edit and submit sample job ASQ8APLY to perform an SMP/E APPLY for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information. You may want to perform an SMP/E APPLY CHECK first.

Expected Return Codes and Messages from APPLY:

This job has one step; it should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

6.1.12 Perform SMP/E ACCEPT

Edit and submit sample job ASQ8ACPT to perform an SMP/E ACCEPT for MQSeries link for R/3 for OS/390. Consult the instructions in the sample job for more information. You may want to perform an SMP/E ACCEPT CHECK first.

Expected Return Codes and Messages from ACCEPT:

This job has one step; it should complete with a return code of 0.

All expected return codes and messages are also documented in the sample JCL provided.

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 MQSeries link for R/3 for OS/390

The product code can now be found in ASQTAR. See Appendix A, “MQSeries link for R/3 for OS/390 Tar file” on page 18 for information on how to uncompress the contents of this file.

The publication *MQSeries Link for R/3 Users Guide, GC33-1934* contains the step-by-step procedures to activate the functions of MQSeries link for R/3 for OS/390.

Appendix A. MQSeries link for R/3 for OS/390 Tar file

The product code is supplied compressed in ASQTAR. To uncompress this tar file, log on as Root and change to the root directory where you want to install the product. Then use the following command:

```
tar -oxvf -PathPrefix-/usr/lpp/smq/IBM/ASQTAR
```

where `-PathPrefix-` is the root directory that you defined in the job ASQ8DDDF.

If you are logged on as **Root**, the files will be created in the following directory structure (on HFS):

```
/usr/lpp/smq/bin  
/usr/lpp/smq/include  
/usr/lpp/smq/samp  
/usr/lib/nls/msg/xxx/smq.cat
```

where `lang` is either `En_US` or `Ja_JP`.

Reader's Comments

Program Directory for IBM MQSeries link for R/3 for OS/390

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 satisfied	<----->	very dissatisfied	not 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 MVS 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:

Please provide the following contact information:

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Organization

Address

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Thank you for your participation.

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