Tivoli. IBM Maximo Enterprise Adapter for SAP R/3 4.7

IBM

Release 6.2

Release Notes
Patch 3

This edition applies to version 6, release 2, modification 3 of IBM Maximo Enterprise Adapter for SAP R/3 4.7 and to all subsequent releases and modifications until otherwise indicated in new editions.

Third-Party Technology: Certain Maximo products contain technology provided under license from third parties, as noted in the following table:

IBM Product	Third-Party Information
All Products	Portions © 1996-2003 Visual Mining, Inc. Visual Mining™ NetCharts Server provided by Visual Mining, Inc.
IBM Maximo	Portions © 1995-2004 Actuate Corporation. Portions © 2005 BEA Systems, Inc. BEA WebLogic Server® provided by BEA Systems, Inc. Portions © 1996-2005, i-net software GmbH. J-Integra for COM® v2.4. © 2004 Intrinsyc Software International, Inc. Sentry Spelling-Checker Engine © 2000 Wintertree Software, Inc.
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Contents

About This Publication

This section explains how this guide can help you to use the IBM® Maximo® Enterprise Adapter (MEA) for SAP® R/3® 4.7. It also provides information about other IBM Corporation resources available to you, such as additional documentation and support.

Intended Audience

This guide is for system administrators or other personnel who will install and configure the MEA for SAP R/3 4.7 Patch 3.

Related Information

For more information about the MEA for SAP R/3 4.7, refer to the following documentation:

Document	Description
IBM Maximo System Administrator's Guide	Describes how to configure and use IBM Maximo.
IBM Maximo Enterprise Adapter System Administrator's Guide	Describes how to configure and use the IBM MEA.
IBM Maximo Enterprise Adapter for SAP R/3 4.7 System Administrator's Guide	Describes how to use the IBM MEA for SAP R/3 4.7.
IBM Maximo Enterprise Adapter for SAP R/3 4.7 Installation Guide	Describes how to install and configure the IBM MEA for SAP R/3 4.7.
IBM Maximo Online Help	Provides step-by-step procedures for each IBM Maximo application.

IBM Support

IBM Software Support provides assistance with product defects.

Before contacting IBM Software Support, your company must have an active IBM software maintenance contract, and you must be authorized to submit problems to IBM. For information about the types of maintenance contracts available, see "Enhanced Support," in the *Software Support Handbook* at techsupport.services.ibm.com/guides/services.html.

Complete the following steps to contact IBM Software Support with a problem:

1 Define the problem, gather background information, and determine the severity of the problem. For help, see "Contacting IBM" in the *Software Support Handbook* at techsupport.services.ibm.com/guides/beforecontacting.html.

2 Gather diagnostic information.

3 Submit your problem to IBM Software Support in one of the following ways:

a Online: Click the **Report problems** tab on the IBM Software Support site: www.ibm.com/software/support/probsub.html

b By telephone: For the telephone number to call in your country, go to the Contacts page of the *Software Support Handbook*: techsupport.services.ibm.com/guides/contacts.html.

If the problem you submit is for a software defect or for missing or inaccurate documentation, IBM Support creates an Authorized Program Analysis Report (APAR). The APAR describes the problem in detail. Whenever possible, IBM Support provides a workaround that you can implement until the APAR is resolved and a fix is delivered. IBM publishes resolved APARs on the IBM Support web site daily, so that other users who experience the same problem can benefit from the same resolution.

Release Notes

This document describes how to install MEA for SAP R/3 4.7 Patch 3, which contains fixes to issues reported by customers and others. This document also contains a list of the resolved issues in the patch. Patch 3 includes all previous patches.

When you install the patch, have the following documents available for reference:

▼ IBM Maximo Enterprise Adapter for SAP R/3 4.7 Installation Guide

▼ IBM Maximo Enterprise Adapter for SAP R/3 4.7 System Administrator's Guide

▼ *IBM Maximo System Administrator's Guide*

CAUTION   Install the patch in a test environment before you install it in a production environment.

Update Checklist

The following checklist provides an overview of what you must do to install MEA for SAP R/3 4.7 Patch 3. The remainder of this chapter provides detailed instructions.

Prerequisite Activities	[ ]	Determine the current software version.
	[ ]	Process transactions in the inbound and outbound queues.
	[ ]	Disable the SAP R/3 4.7 external system in the Maximo External Systems application.
	[ ]	Stop the Maximo application servers and services.
	[ ]	Stop the Actuate® servers and services.
	[ ]	Back up the Maximo root folder.
	[ ]	Back up the Maximo database.
Installation Activities	[ ]	Install MEA for SAP R/3 4.7 Patch 3.
	[ ]	Rebuild and deploy the maximo.ear file.
	[ ]	Start the Maximo application servers and services.
	[ ]	Start the Actuate servers and services.
	[ ]	Sign in to Maximo.
	[ ]	Import MEA for SAP R/3 4.7 Patch 3 into Maximo.
	[ ]	Verify the updated version of the MEA for SAP R/3 4.7.
	[ ]	Import secondary language files into Maximo.
	[ ]	Import the SAP-side ABAP™ updates.
	[ ]	Import the SAP-side XI updates.
	[ ]	Configure the SAP-side manual updates.
	[ ]	Enable the SAP R/3 4.7 external system in the Maximo External Systems application.

Installation Prerequisites

Before you install MEA for SAP R/3 4.7 Patch 3, complete the following steps:

1 Determine the current software version.

    a Sign in to Maximo.

    b From the Maximo Navigation Bar, click Help.

    c From the drop-down list, select **About MAXIMO**. Maximo displays the current MEA for SAP R/3 4.7 software version, in the following format:

       Adapter for SAP 4.7-6.2.2.030

       If this value matches your current version, the software is current. *Do not install MEA for SAP R/3 4.7 Patch 3.*

2 Process any transactions in the inbound and outbound queues. For more information, see "Processing of Transactions in Queues," on page 7.

3 Disable the SAP R/3 4.7 external system in Maximo.

    a Select the External Systems application in the Maximo Integration module.

    b Select the external system that you want to disable.

    c On the System tab, clear the **Enabled** check box.

4 Stop the Maximo application servers and services.

5 Stop the Actuate servers and services.

6 Back up the entire *<maximo>* folder, where *<maximo>* is the root folder where you installed Maximo.

7 Back up the Maximo database.

Installation of MEA for SAP R/3 4.7 Patch 3

Before you perform this procedure, complete "Installation Prerequisites," on page 3.

To install MEA for SAP R/3 4.7 Patch 3, complete the following steps:

1 Navigate to the following folder:

<maximo>\PowerUpdateClient\MEASAPPowerUpdate

2 Run update.exe to retrieve updates specific to the MEA for SAP R/3 4.7 from the IBM Support Web site. The Welcome to PowerUpdate window opens.

3 Click **Next**. While the program checks for updates, the Checking for Update window opens.

4 If Patch 3 is installed already, the application displays the following message: *Your Software is Already Up to Date*. If you see this message, click **Exit,** and go to step 15 on page 4.

5 If an update is available, the Update Available window opens. Click **Next**. After the program retrieves the update, the Updater Retrieved window opens.

6 Click **Next**. The Introduction window for the patch installation opens.

7 Click **Next**. The Choose Maximo Base Language window opens.

8 Select the base language, and click **Next**. The Choose Install Folder window opens.

9 If the default folder is not the Maximo root folder, click **Choose** to browse for the Maximo root folder.

10 Click **Next**. The Pre-Installation Summary window opens.

11 Click **Install**. After the installation program finishes, the Install Complete window opens. If this window displays a message that errors have occurred, check the Maximo installation log after you close the window.

12 Click **Done**.

13 Run updatedb.bat from the <Maximo>/tools/maximo directory, to update your database.

14 Rebuild and deploy the maximo.ear file. For information about how to build and deploy EAR files, refer to the *IBM Maximo System Administrator's Guide.*

15 Start the Maximo application servers and services.

16 Start the Actuate servers and services.

17 Sign in to Maximo to verify that the Maximo application server started successfully.

Import of Patch 3 into Maximo

Before you start this procedure, complete "Installation of MEA for SAP R/3 4.7 Patch 3," on page 4.

To import MEA for SAP R/3 4.7 Patch 3 into Maximo, complete the following steps:

1 In the External Systems application, select any external system.

2 From the Select Action menu, select **Install Product/Updates**. The Install Product/Updates dialog box opens.

3 In the **Adapter** field, enter SAP47. The Install Product/Updates dialog box displays the products, patches, and add-ons available for the MEA for SAP R/3 4.7. You see a combination of the following items:

   ▼ Install SAP Adapter for SAP47
   ▼ Install patch for SAP47
   ▼ Install *<language>* as secondary language
   ▼ Install patch for *<language>* secondary language

Install Product/Updates Dialog Box
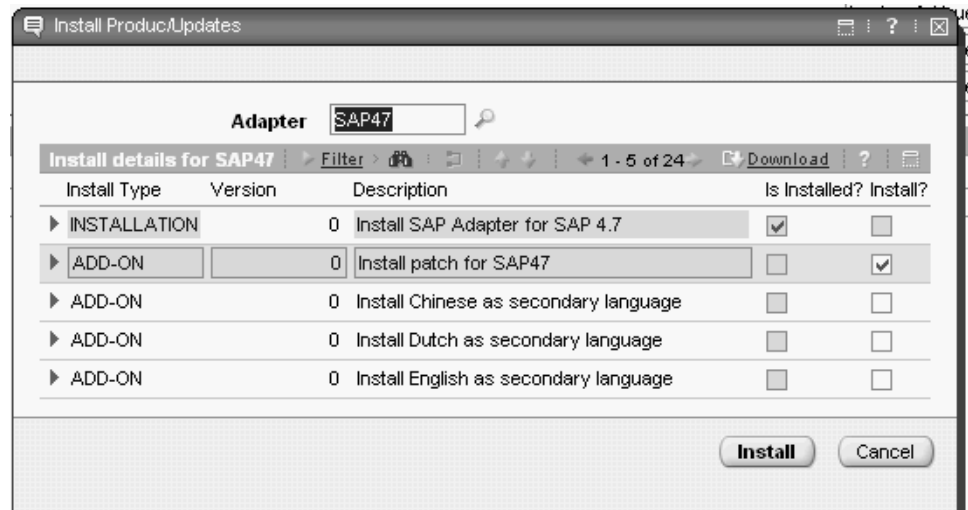
4 Select the **Install?** check box that corresponds to "Install patch for SAP47," and then click **Install**. Maximo displays the following message: *Please wait*. When the message disappears, Maximo has imported the patch. This step can take 5 minutes or more to complete.

   NOTE After you import a patch or any other update of install type ADD-ON, the corresponding **Is Installed?** check box remains cleared.

5 Repeat step 1 on page 3 to verify that the software is at the Patch 3 revision level.

6 If you use secondary languages, import the language files into Maximo. For more information, see "Import of Secondary Language Files into Maximo," on page 9.

7 Apply SAP-side ABAP updates. For more information, see "Import of SAP-side ABAP Updates," on page 10.

8 Apply SAP-side XI updates. For more information, see "Import of SAP-side XI Updates," on page 10.

9 Apply SAP-side manual updates. For more information, see "Configuration of SAP-side Manual Updates," on page 11.

10 Enable the SAP R/3 4.7 external system in Maximo.

    a In the External Systems application, select the external system that you want to enable.

    b On the System tab, select the **Enabled?** check box.

You have installed MEA for SAP R/3 4.7 Patch 3.

Processing of Transactions in Queues

Process all transactions in the inbound and outbound queues before you install this patch.

CAUTION   After you install Patch 3, you might be unable to process outstanding transactions.

Transactions in BEA WebLogic Server Queues

To process transactions in the inbound and outbound queues on a BEA WebLogic Server®, ensure that no messages remain in the following queue servers:

▼   mxintcqinserver
▼   mxintsqinserver
▼   mxintsqoutserver

To check for pending messages, complete the following steps:

1   Start the WebLogic server.

2   Open a browser and then enter the URL for the WebLogic Server Administration Console.

Example

http://localhost:7001/console

The WebLogic Server Administrator Console page opens.

3   Enter your name and password, and then click **Sign In**. The BEA WebLogic Server Home page opens.

4   Navigate to mydomain > Services > JMS > Servers > mxintcqinserver. The mxintcqinserver page opens.

5   On the Monitoring tab, click the Monitor Active JMS Servers link. The Active JMS Servers page opens. The Messages column for the mxintcqinserver queue server displays the number of unprocessed messages in that queue.

6   Wait until the queue contains zero messages. If some messages remain in the queue, check the error folder that you configured during the Integration Administration Setup process. If error messages exist, correct the corresponding transactions and put them in the retry folder.

For information about how to correct errors, refer to the *IBM Maximo Enterprise Adapter System Administrator's Guide.*

7   Repeat the preceding steps for the mxintsqinserver and mxintsqoutserver queue servers.

8   Return to step 3 on page 3.

Transactions in IBM WebSphere Server Queues

To process transactions in the inbound and outbound queues on an IBM WebSphere® server, ensure that no messages remain in the following queue destinations:

▼ cqinbd
▼ sqinbd
▼ sqoutbd

To check for pending messages, complete the following steps:

1 Start the WebSphere server.

2 Open a browser and then enter the URL for the WebSphere console.

Example

http://localhost:9060/ibm/console

The WebSphere console page opens.

3 Enter your user ID and click **Log In**.

4 Navigate to Service Integration > Buses > meajmsbus > Destinations.

5 Click queue destination cqinbd.

6 On the Configuration tab, select Queue Points under Message Points.

7 Select the identifier for the queue. The **Current Message Depth** field on the Runtime tab displays the number of messages in the queue. If the number is zero, go to step 10.

8 Click the Messages link under Additional Properties to see the messages with their Transaction IDs.

9 Click refresh until the queue contains zero messages. If some messages remain in the queue, check the error folder that you configured during the Integration Administration Setup process. If error messages exist, correct the corresponding transactions and put them in the retry folder.

For information about how to correct errors, refer to the *IBM Maximo Enterprise Adapter System Administrator's Guide.*

10 Repeat the preceding steps for the sqinbd and sqoutbd queues.

11 Return to step 3 on page 3.

Import of Secondary Language Files into Maximo

Secondary language files add error messages, column titles, and column remarks in additional languages. If you do not use secondary languages, skip this section.

This procedure imports secondary language files and patches to the secondary language files.

NOTE   Before you can import a secondary language file, you must enable that language in Maximo. For more information, refer to the *IBM Maximo System Administrator's Guide*.

You can import as many secondary languages as you have enabled in Maximo. For each language, import the secondary language, and then import the corresponding patch.

To import the secondary language files into Maximo, for each language that you want to import, complete the following steps:

1   In the External Systems application, select any external system.

2   From the Select Action menu, select **Install Product/Updates**. The Install Product/Updates dialog box opens.

3   In the **Adapter** field, enter SAP47. The Install Product/Updates dialog box displays the products, patches, and add-ons available for the MEA for SAP R/3 4.7. You see a combination of the following items:

▼   Install SAP Adapter for SAP47
▼   Install patch for SAP47
▼   Install <language> as secondary language
▼   Install patch for <language> secondary language

Install Product/updates Dialog Box
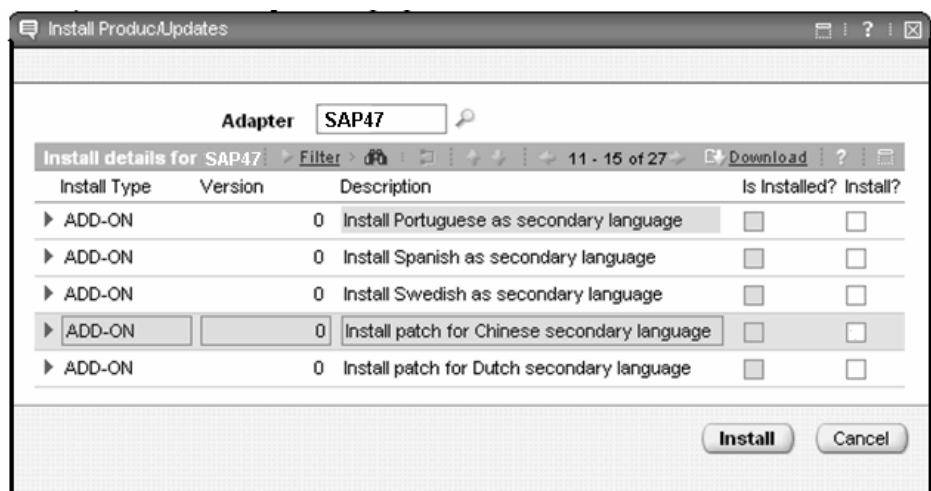
4   Select the **Install?** check box that corresponds to "Install *<language>* as secondary language," and then click **Install**. Maximo displays the following message: *Please wait.* When the message disappears, Maximo has imported the secondary language file.

5 Select the **Install?** check box that corresponds to "Install patch for *<language>* secondary language," and then click **Install**. Maximo displays the following message: *Please wait*. When the message disappears, Maximo has imported the patch for the secondary language file.

6 Return to step 7 on page 6.

Import of SAP-side ABAP Updates

You can import the SAP-side ABAP updates while you install the patch. You must import them before you send transactions between Maximo and SAP R/3 4.7.

To import the SAP-side updates, perform the following tasks:

1 Review the files in the SAP-side subdirectories to determine if they affect any customizations in SAP R/3 4.7. For a list of patched SAP-side files, see Appendix B, "SAP-side ABAP Updates," on page 19. If the updates affect your customizations, merge the changes in the patched file/ABAP program with your customizations.

2 If you are applying more than one patch, repeat step 1 for each patch that you are applying.

The transport files have consecutive numbers. For example: K900149.D47 would be the base install transport, K900155.D47 would be the Patch 1 transport, and so forth. If you are applying more than one patch, upload the transport files in sequence, starting with the earliest patch that you are applying.

3 For each MEA for SAP R/3 4.7 patch you install, import the corresponding files to your SAP system. If the updates do not affect your customizations, you can use the transport file that corresponds to the patch that you are applying. It loads the entire group of updated files into your system.

However, if you customize any files in the patch, merge the fixes in the patched version of each modified file with your customized version of the file. If a file is in more than one patch, import the latest patched version of the file, because successive patched versions of each file are cumulative.

For more information about how to import transport files in SAP, refer to SAP Library online documentation and the *IBM MEA for SAP R/3 4.7 Installation Guide*.

Import of SAP-side XI Updates

You can import the SAP-side XI transport file updates while you install the patch. Import them before you send transactions between Maximo and SAP R/3 4.7.

To import the SAP-Side XI updates, perform the following tasks:

1   Review the files in the SAP-Side subdirectories to determine if they affect any customizations that you implemented in your SAP R/3 4.7 system. For a list of the SAP-Side XI transport files you must import, see Appendix C, " " on page 21. If you customized any objects in the transport files, merge the changes in the patched file/XI program with your customizations.

2   If you are installing more than one patch, repeat step 1 for each patch you are installing.

The transport files have consecutive numbers. For example, XI3_0_MAXIMO-INTEGRATE_MAX60-SAP471_of_mro.com-objs_3.tpz would be the Patch 02 transport, XI3_0_MAXIMO-INTEGRATE_MAX60-SAP471_of_mro.com-objs_6.tpz would be the Patch 03 transport, and so forth. If you are installing more than one patch, upload the transport files in sequence, starting with the earliest patch that you are installing.

3   The SAP-Side XI transport files are not cumulative. Import them in sequence, starting with the earliest patch that you are installing.

For more information about importing XI transport files in SAP, refer to SAP Library online documentation and the *IBM MEA for SAP R/3 4.7 Installation Guide*.

4   Return to step 10 on page 6.

Configuration of SAP-side Manual Updates

This section contains a list of SAP-side manual updates in the available patches.

Patch 2

This section lists the manual updates in Patch 2.

Issue 07-12558

If you want to implement the fix for issue 07-12558 (mapping the SAP Goods Receipt (GR) cost to the Maximo receipt cost), set the variable GR_SETCOST to a value of 'X' in the SAP table ZBC_SAPMXCONFIG. For more information about issue 07-12558 , see "Patch 2," on page 13.

Patch 1

This section lists the manual updates in Patch 1.

Creation of a Number Range Object

To configure the correct assignment of error message numbers on transactions that you send from Maximo to SAP by means of BAPI programs, create a Number Range Object in SAP. You can access the Number Range Object: Create screen in SAP by one of the following two means:

▼ Use the following menu path in the SAP Easy Access screen drilldown:

Tools >> ABAP Workbench>> Development >> Other Tools>>Number Ranges

▼ Enter the transaction code SNRO in the field in the upper left corner of the initial SAP Easy Access screen.

When you create the Number Range Object, use the values shown in the following table:

Number Range Object Value

Field	Value
Object	ZMXESERROR
Short Text	Transaction Number
Long Text	Transaction Number for BAPI Errors
Number length domain	NUM10

When you add the Number Range Interval for the Number Range Object, use the values shown in the following table:

Number Range Interval

Field	Value
Interval No	01
From Number	0000000001
To Number	9999999999
Current Number	value = maximum value of ZBC_BAPI_ADMIN.MINDEX + 1 (See note following this table.)

NOTE To find the value to use for the Current Number field, complete the following steps:

1 Enter SE16 in the field in the upper left corner of the SAP Easy Access screen.

2 Select the ZBC_BAPI_ADMIN table.

3 Sort the output by MINDEX to determine the last number assigned.

4 Increase this value by 1 and use the new value as the Current Number.

For more information about how to create a Number Range Object in SAP, refer to SAP Library online documentation.

For more information about this manual update, see the section on issue 06-20105 in "Appendix A, " " on page 13.

MEA for SAP R/3 4.7 Patch 3 Fixed Issues

A
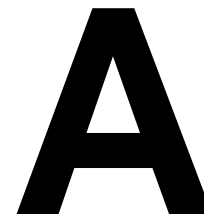
MEA for SAP R/3 4.7 Patch 3 fixes the following issues.

Patch 3

Issue	08-10522
Description	The MX6.x MEA for SAP now populates the MAXVARS table with the SAP Adaptor patch/build number.
Replaced Files	applications\maximo\properties\product\sap47.xml 1.0 tools\maximo\en\sap47\v600.01.ora tools\maximo\en\sap47\v600.01.sqs tools\maximo\en\sap47\v600.01.db2

Patch 2

Issue	07-12558
Description	The MEA for SAP now correctly maps the SAP Goods Receipt (GR) cost to the Maximo receipt cost. This fix requires you to apply the MEA fix for Issue 07-14418.
Replaced Files	businessobjects\classes\psdi\iface\sap47\ReceiptInExt businessobjects\classes\psdi\iface\sap47\InvoiceReceiptInExt SAP-Side\dictionary\bc_domains_internal.xls SAP-Side\dictionary\bc_structures_outbound.xls SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_INVOICE_GET_DETAIL SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_MATMOVE_GET _DETAIL
Issue	07-13862
Description	The adaper now successfully sends an inbound PO from SAP whether REFWO element is empty or contains a value.
Replaced Files	businessobjects\classes\psdi\iface\sap47\POInExt businessobjects\classes\psdi\iface\sap47\ReceiptInExt

Patch 2

Issue	07-13864
Description	The MEA for SAP now successfully sends outbound GL Postings to SAP.
Replaced File	businessobjects\classes\psdi\iface\sap47\GLOutExt

Issue	07-13865
Description	The MEA for SAP now uses the correct field (SITEID) when it sends an outbound purchase order to SAP.
Replaced File	businessobjects\classes\psdi\iface\sap47\POOutExt

Issue	07-14809
Description	The MEA for SAP now successfully sends an inbound invoice attached to two purchase orders with line items from different sites.
Replaced File	businessobjects\classes\psdi\iface\sap47\InvoiceMMInExt
Description	Added translation strings for new attributes.
Replaced Files	businessobjects\classes\psdi\iface\sap47\patch\<LANGCODE>\ config.xml
	businessobjects\classes\psdi\iface\sap47\patch\<LANGCODE>\ inttype.xml
	businessobjects\classes\psdi\iface\sap47\patch\<LANGCODE>\ message.xml
	businessobjects\classes\psdi\iface\sap47\patch\<LANGCODE>\ objectcfg.xml

Issue	07-17500
Description	The MEA for SAP now correctly divides the purchase order price by the price unit.
Replaced File	SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_PO_GET_DETAIL

Issue	07-23674
Description	After upgrading from version 5.2 to 6.2, you can now successfully update a PO that you created in version 5.2
Replaced Files	businessobjects\classes\psdi\iface\sap47\ERPInExt
	businessobjects\classes\psdi\iface\sap47\ERPOutExt

Patch 1

Issue	06-20105
Description	Error message numbering in SAP now works properly. For information about required manual configuration in SAP related to this issue, see "Configuration of SAP-side Manual Updates" on page 11.
Replaced File	SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GOODISSUE_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_MMINVOICE_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHASEREQ _BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHORDER _BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_RESERVATION _BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_WORKORDER_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_UPDATE_PURCHORDER _BAPI
Issue	06-20852
Description	If you receive an error because you send an SAP Non-Stock Item from Maximo Work Order Plans to SAP, the MEA for SAP now captures the error in Maximo instead of waiting until the transaction reaches SAP.
Replaced Files	businessobjects\classes\psdi\iface\sap47\WORSVOutExt businessobjects\classes\psdi\iface\sap47\RSVOutExt businessobjects\classes\psdi\iface\sap47\IssueOutExt businessobjects\classes\psdi\iface\sap47\patch\patchcfg.xml businessobjects\classes\psdi\iface\sap47\patch\de\message.xml businessobjects\classes\psdi\iface\sap47\patch\en\message.xml businessobjects\classes\psdi\iface\sap47\patch\es\message.xml businessobjects\classes\psdi\iface\sap47\patch\fr\message.xml businessobjects\classes\psdi\iface\sap47\patch\it\message.xml businessobjects\classes\psdi\iface\sap47\patch\ja\message.xml businessobjects\classes\psdi\iface\sap47\patch\co\message.xml businessobjects\classes\psdi\iface\sap47\patch\nl\message.xml businessobjects\classes\psdi\iface\sap47\patch\pt\message.xml businessobjects\classes\psdi\iface\sap47\patch\sv\message.xml businessobjects\classes\psdi\iface\sap47\patch\zh\message.xml
Issue	06-21049
Description	When you change the item on a work plan in the Maximo Work Order application, the MEA for SAP now deletes the original reservation in SAP, and then it sends a new reservation with the new item on the work plan. In so doing, the MEA for SAP acts in accordance with the behavior of Maximo.
Replaced File	businessobjects\classes\psdi\iface\sap47\RSVOutExt
Issue	06-21179
Description	If you create a multi-line, multi-site purchase order before you upgrade from Maximo 5.2 and send that purchase order from SAP to Maximo after you upgrade to Maximo 6.2, the MEA for SAP splits the purchase order into multiple purchase

orders. Doing so maintains the data integrity of purchase orders that you created before you upgraded.

Replaced File	businessobjects\classes\psdi\iface\sap47\POINExt
Issue	06-21595
Description	The ZBCXIREPR014 report now runs successfully when you create an FI Invoice in SAP against a work order that you created in Maximo.
Replaced File	businessobjects\classes\psdi\iface\sap47\InvoiceFIInExt
Issue	07-10187
Description	In Configuration 3, you can now update an existing purchase order after the upgrade.
Replaced File	businessobjects\classes\psdi\iface\sap47\ERPOutExt
Issue	07-10246
Description	In Configuration 3, The MEA for SAP now includes all necessary posting information when you send FI Invoice transactions from Maximo to SAP.
Replaced File	msgMap_M2S_INVOICE_FI
Issue	07-10353
Description	The MEA for SAP now sets the Goods Receipts indicator correctly when you create a purchase requisition using the BDC mode.
Replaced File	SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHASEREQ _BDC
Issue	07-10355
Description	Before the MEA for SAP sends receipts from Maximo, it now updates the goods receipts indicator on the corresponding purchase order in SAP. In doing so, the MEA for SAP follows SAP rules.
Replaced Files	SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BDC
Issue	07-10434
Description	Mapping is now correct on purchase requisitions with Maximo-owned items that you send from Maximo to SAP.

Replaced Files	businessobjects\classes\psdi\iface\sap47\POInExt businessobjects\classes\psdi\iface\sap47\ReceiptInExt
Issue	07-10456
Description	When you create a purchase order from a purchase requisition that has lines from multiple sites, "required field conversion is blank" error no longer occurs.
Replaced File	businessobjects\classes\psdi\iface\sap47\POInExt
Issue	07-10501
Description	When you block a purchase order line in SAP, the MEA for SAP now correctly deletes the purchase order line in Maximo.
Replaced File	businessobjects\classes\psdi\iface\sap47\POInExt
Issue	07-10670
Description	Values between -0.01 and -0.99 are now processed correctly.
Replaced Files	SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_APINVOICE_BDC SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GLPOSTING_BDC SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GOODISSUE_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GOODISSUE_BDC SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BDC SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_RESERVATION _BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_RESERVATION _BDC
Issue	07-10672
Description	Outbound purchase orders now sort purchase order lines by line number, as SAP expects.
Replaced Files	SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHORDER _BAPI SAP-Side\function groups\ZBC_M2S\Z_BC_UPDATE_PURCHORDER _BAPI
Issue	07-10966
Description	After you upgrade from Release 5.2 to Release 6, you can update a Release 5.2 purchase order in SAP and send the update to Maximo.
Replaced File	businessobjects\classes\psdi\iface\sap47\POInExt
Issue	07-11042
Description	When you update a purchase order line in SAP, the MEA for SAP now correctly sends the purchase order status to Maximo.
Replaced File	businessobjects\classes\psdi\iface\sap47\POInExt

Patch 1

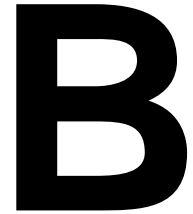**Issue**   07-11045

Description   The MEA for SAP now correctly sends new time sheets for Labor Time Reporting from SAP to MAXIMO. Autokey Prefix error no longer occurs on these transactions.

Replaced File   businessobjects\classes\psdi\iface\sap47\LabTransInExt

SAP-side ABAP Updates

B

This appendix contains a list of updated SAP-side files/ABAP programs and corresponding transport files in the available patches. For instructions on how to apply the SAP-side updates, refer to "Import of SAP-side ABAP Updates," on page 10.

Patch 2 - Transport File K900196.D47

Replaced Files

\SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_INVOICE_GET _DETAIL
SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_MATMOVE_GET _DETAIL
\SAP-Side\function groups\ZBC_S2M\Z_BC_BAPI_PO_GET_DETAIL
\SAP-Side\dictionary\bc_domains_internal.xls
\SAP-Side\dictionary\bc_structures_outbound.xls

Patch 1 - Transport File K900189.D47

Replaced Files

\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_APINVOICE_BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GLPOSTING_BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GOODISSUE_BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GOODISSUE_BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_GRECEIPTS_BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_MMINVOICE_BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHASEREQ _BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHASEREQ _BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_PURCHORDER _BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_RESERVATION _BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_RESERVATION _BDC
\SAP-Side\function groups\ZBC_M2S\Z_BC_CREATE_WORKORDER _BAPI
\SAP-Side\function groups\ZBC_M2S\Z_BC_UPDATE_PURCHORDER _BAPI

Patch 1 - Transport File K900189.D47

SAP-side XI Updates

C
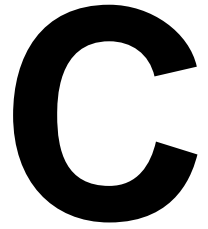
This appendix contains a list of SAP-side XI updates in the available patches.

Patch 2

Transport File \SAP-Side\xi-repository\XI3_0_MAXIMO-INTEGRATE_MAX60-SAP471_of
_mro.com-objs_8.tpz

Modified Objects

Data Type DT_MBO_RECEIPT
DT_MBO_INVOICELINE
DT_SAP_GM
DT_SAP_MMINV_S2M

Message Mapping msgMap_S2M_RECEIPT
msgMap_S2M_INVOICE

Patch 1

Transport File \SAP-Side\xi-repository\XI3_0_MAXIMO-INTEGRATE_MAX60-SAP471_of
_mro.com-objs_7.tpz

Modified Objects

Data Type No data type modifications in patch 1.

Message Mapping msgMap_M2S_INVOICE_FI

Patch 1

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