Application Operations Guide
SAP™ Extended Warehouse Management Operations Guide
Release 9.0

Target Audience

- Technical Consultants
- System Administrators
- Solution Consultants
- Business Process Owners
- Support Specialists

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Disclaimer

Some components of this product are based on Java™. Any code change in these components may cause unpredictable and severe malfunctions and is therefore expressly prohibited, as is any decompilation of these components.

Any Java™ Source Code delivered with this product is only to be used by SAP's Support Services and may not be modified or altered in any way.

Typographic Conventions

Example	Description
`<Example>`	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, "Enter your `<User Name>`".
▶ *Example* → *Example* ◀	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
`Example`	Words or characters that you enter in the system exactly as they appear in the documentation
http://www.sap.com	Textual cross-references to an internet address
`/example`	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456	Hyperlink to an SAP Note, for example, SAP Note 123456
Example	■ Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. ■ Cross-references to other documentation or published works
`Example`	■ Output on the screen following a user action, for example, messages ■ Source code or syntax quoted directly from a program ■ File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
`EXAMPLE`	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, `SELECT` and `INCLUDE`
`EXAMPLE`	Keys on the keyboard

Document History

⚠ Caution

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at the following location: http://service.sap.com/instguides.

The following table provides an overview of the most important document changes.

Version	Date	Description
1.0	7/31/2012	Initial version of the Application Operations Guide for SAP EWM 9.0

Table of Contents

1 Getting Started

> ⚠ Caution
>
> This guide does not replace the daily operations handbook that we recommend customers create for their specific production operations.

Designing, implementing, and running your SAP applications at peak performance 24 hours a day has never been more vital for your business success than now.

This guide provides a starting point for managing your SAP applications and maintaining and running them optimally. It contains specific information for various tasks and lists the tools that you can use to implement them. This guide also provides references to the documentation required for these tasks, so you need other guides such as the Master Guide, Technical Infrastructure Guide, and SAP Library.

1.1 Global Definitions

SAP Application:

An SAP application is an SAP software solution that serves a specific business area such as ERP, CRM, PLM, SRM, or SCM.

Business Scenario:

From a microeconomic perspective, a business scenario is a cycle that consists of several different interconnected logical processes in time. Typically, a business scenario includes several company departments and involves other business partners. From a technical point of view, a business scenario needs at least one SAP application (SAP ERP, SAP SCM, and so on) for each cycle and possibly other third-party systems. A business scenario is a unit that can be implemented separately and reflects the customer's prospective course of business.

Component:

A component is the smallest individual unit considered within the Solution Development Lifecycle; components are separately produced, delivered, installed, and maintained.

1.2 Important SAP Notes

⚠ Caution

Check regularly to see which SAP Notes are available for the Application Operations Guide.

Important SAP Notes

SAP Note Number	Title	Comment
1502285	Installing or upgrading SCMBPLUS 702 to NetWeaver	N/A
1501562	Installing or upgrading SCM_BASIS 702	N/A
1501624	Installing or Upgrading SCMEWM 7.02 to ERP 6.0	N/A
1515223	SAP NetWeaver Process Integration: Release Recommendation	Information about which PI release to use

1.3 Dock Appointment Scheduling

If you are using SAP Dock Appointment Scheduling without integration with SAP EWM, you need only refer to the following sections of this document:

- *Scheduled Periodic Tasks* [page 25]
- *Required Manual Periodic Tasks* [page 28]
- *Problem Message Handover* [page 39]
- *Internal Messages* [page 57]

2 Technical System Landscape

2.1 Scenario/Component Matrix

For more information about the components necessary for business scenarios and processes, see the SAP EWM Master Guide on SAP Service Marketplace at ▶ http://service.sap.com/instguides → *SAP Business Suite Applications → SAP SCM → SAP EWM → Using SAP Enhancement Package 2 for SAP EWM 7.0* ↵.

2.2 Related Documentation

> **Note**
> This Application Operations Guide only covers SAP EWM. If you run SAP EWM as part of an SAP SCM Server installation, use the SAP SCM Operations Guide on SAP Service Marketplace at ▶ http://service.sap.com/instguides → *SAP Business Suite Applications → SAP SCM → SAP SCM Server → Using SAP enhancement package 2 for SAP SCM 7.0 Server* ↵.

The following table lists where you can find more information about the technical system landscape.

Topic	Guide/Tool	Quick Link on SAP Service Marketplace
Application-specific and Industry-specific Components such as SAP for Automotive or SAP Retail	Master Guide	▶ http://service.sap.com /instguides ↵
Technology Components such as SAP NetWeaver	Master Guide	▶ http://service.sap.com /instguides ↵
Technical Configuration	Technical Infrastructure Guide – SAP NetWeaver 7.0 EhP3	▶ http://service.sap.com /installNW70 ↵
Scalability	Technical Infrastructure Guide – SAP NetWeaver 7.0 EhP3	▶ http://service.sap.com /installNW70 ↵
High Availability	Technical Infrastructure Guide – SAP NetWeaver 7.0 EhP3	▶ http://service.sap.com /installNW70 ↵
Security	Security Guides	▶ http://service.sap.com /securityguide ↵

3 Monitoring of SAP EWM

Within the management of SAP Technology, monitoring is an essential task. This section is therefore devoted solely to this subject.

For more information about the underlying technology, see SAP Library for SAP NetWeaver on SAP Help Portal at `http://help.sap.com/nw703`. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◁.

3.1 Alert Monitoring with CCMS

Proactive, automated monitoring is the basis for ensuring reliable operations for your SAP system environment. SAP provides you with the infrastructure and recommendations needed to set up your alert monitoring to recognize critical situations for SAP EWM as quickly as possible.

3.1.1 CCMS Monitoring Installation and Setup

SAP EWM 9.0 is technically based on SAP NetWeaver 7.0 including enhancement package 3 and thus reuses monitoring tools from SAP NetWeaver such as the Computing Center Management System (CCMS). Therefore, we recommend that you set up the monitoring infrastructure as described in the Monitoring Setup Guide for SAP NetWeaver at ▷ `http://service.sap.com/instguides` → *SAP NetWeaver* → *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *Operations* → *Monitoring* ◁. For general information about alert monitoring, see the Technical Operations Manual for SAP NetWeaver in SAP Library under *SAP NetWeaver*.

To enable the auto-alert mechanism of CCMS, see SAP Note 617547.

For more information about monitoring, see SAP Library for SAP NetWeaver on SAP Help Portal at `http://help.sap.com/nw703`. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *SAP NetWeaver Library* → *English* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* → *Administration of SAP NetWeaver Systems* → *Application Server ABAP (AS ABAP)* → *Monitoring and Administration Tools for Application Server ABAP* ◁.

3.1.2 SAP EWM Monitor

SAP EWM allows you to monitor master data queues of the SAP Core Interface (CIF) and SAP EWM-specific values. You can start the monitor on the *SAP Easy Access* screen by choosing ▸ *Tools* → *CCMS* → *Control/Monitoring* → *CCMS Monitor Sets* ↵ (transaction `RZ20`).

3.2 Selection and Processing of Post Processing Framework Actions

To monitor Post Processing Framework (PPF) actions (for example, printing delivery notes) with errors, you use transaction `SPPFP` in SAP EWM.

The following applications that use Post Processing Framework (PPF) to generate actions are available:

- /SCDL/DELIVERY
- /SCTM/FOM
- /SCWM/SHP_RCV
- /SCWM/WME
- QIE

3.3 Detailed Monitoring and Tools for Problem and Performance Analysis

SAP EWM is technically based on SAP NetWeaver 7.0 including Enhancement Package 3. For information about technical problem analysis (such as for database, operating system, or workload analysis) see SAP Library for SAP NetWeaver on SAP Help Portal at `http://help.sap.com/nw703`. In SAP Library, choose ▸ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ↵. This guide covers only the differences and additional information specific to SAP EWM.

In addition, SAP EWM uses the SAP NetWeaver PI. For more information about the monitoring of SAP NetWeaver PI, see SAP Library for SAP NetWeaver at `http://help.sap.com/nw703`. In SAP Library, choose ▸ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* → *Administration of SAP NetWeaver Systems* → *PI (Process Integration)* ↵.

3.3.1 Trace and Log Files

Trace files and log files are essential for analyzing problems.
The standard SAP NetWeaver tools such as transactions `ST22` and `SM21` can be used to monitor trace and log files. For more information, see SAP Library for SAP NetWeaver at

http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for SAP NetWeaver → Administration of SAP NetWeaver Systems → Application Server ABAP (AS ABAP) → Monitoring and Administration Tools for Application Server ABAP* ↵.

Additionally, SAP EWM uses the application log (part of SAP NetWeaver) to store application error, warning, and success messages issued in critical processes (for example, the delivery interface between SAP ERP and SAP EWM) or in UI transactions. For UI transactions, the user has to save the application log explicitly.

For general information on application logs, see SAP Library for SAP Netweaver at

http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3) → English → SAP NetWeaver Library → SAP NetWeaver by Key Capability → Solution Life Cycle Management by Key Capability → Application Log − (BC-SRV-BAL)* ↵.

You can monitor the application logs with transaction SLG1.

Log Object	Detailed Description	Prerequisites
/SCWM/DLV_ERP	Delivery Processing: Stores error messages issued during the qRFC communication of deliveries between SAP ERP and SAP EWM with an expiry time of seven days.	
/SCWM/ACC	Log for import of accounting objects from SAP ERP	Log has to be saved explicitly in transaction /SCWM/ACC_IMP_ERP (▶ *SAP Easy Access: Extended Warehouse Management → Interfaces → ERP Integration → Administration of Account Assignment Data* ↵)
/SCMB/PATTERN_UI	Log for UI messages	Log has to be saved explicitly in the SAP EWM UI transactions.
/SCWM/WME	Warehouse Logistics Processing: Log for SAP EWM operations	Log has to be activated with transaction /SCWM/ACTLOG (▶ *SAP Easy Access: Extended Warehouse Management → Settings → Activate Application Log* ↵)
/SCWM/SHP_RCV	Site Logistic Processing: Log for shipping and receiving transactions	
/SCWM/EPD	Labor Management: Log for sending performance documents to HR	Log has to be saved explicitly by the user in transaction /SCWM/EPD_TRANSFER (▶ *SAP Easy Access: Extended Warehouse Management → Labor Management → Employee Performance → Send Performance Document to HR* ↵)
/SCMB/MD	Master Data: Log for deleting supply chain units	

Log Object	Detailed Description	Prerequisites
/SCWM/PACKSPEC	Master Data: Log for packaging specifications	The log for the determination analysis has to be activated in transaction /SCWM/PSLOG. The log for uploading packaging specifications has to be saved explicitly by the user in transaction /SCWM/IPU (▶ *SAP Easy Access: SCM Basis → Master Data → Packaging Specification → Initial Data Transfer of Packaging Specifications* ◀)
/SEHS/ALE	EH&S Master Data: log for importing master data (dangerous goods, hazardous substances and phrases)	
/SCTM/TM	Transportation Management	
PPF	Post Processing Framework	
/SCMB/RG	Routing Guide	

For descriptions of the recommended tasks to contain data growth, see *Periodic Tasks* [page 25].

3.3.2 Database Monitors

SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for SAP NetWeaver* ◀.

3.3.3 Operating System Monitors

SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for SAP NetWeaver* ◀.

3.3.4 Workload Monitors

SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◁.

3.3.5 Other Important Problem Analysis and Monitoring Tools

SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◁.

3.3.6 Interface Monitors

Interface monitors are essential for analyzing problems with interfaces such as RFC, IDoc, and HTTP. SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◁.
We recommend that the following queues be monitored on the ERP side within one month as a goods movement can only be posted in the current and previous period (for example, a goods movement sent to the queue on July 15 must be posted on August 31 at the latest):

- Delivery queues (beginning with DLVS)
- Goods movement queues (beginning with EWMGOODSMVT)

For more information about messages, see *External Messages* in the appendix.

3.3.7 Data Growth and Data Archiving Monitors

SAP Extended Warehouse Management uses the standard tools available in SAP NetWeaver and does not require a component-specific tool. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0*

(including Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for SAP NetWeaver ↵.

You can archive the following data in SAP EWM:

Application Component	Document Category	Archiving Object
Delivery Processing	Internal Warehouse Requests (Inbound Delivery)	`DLV_INB`
	Internal Warehouse Requests (Outbound Delivery)	`DLV_OUT`
	Warehouse Requests from External Systems	`DLV_REQ`
Stock Management	Handling Unit	`WME_HU`
Warehouse Logistic Processing	Warehouse Tasks and Goods Movement Documents	`WME_TO`
	Warehouse Orders	`WME_WO`
	Waves	`WME_WAVE`
	Telegram Flows	`WME_MFS`
	Relevant Resource Data	`WME_RSRC`
	Value-Added Service Orders (VAS Orders)	`WME_VAS`
	QIE Inspection Documents	`QIE_INSP`
	Physical Inventory Documents	`LIME_PI`
	LIME Log Entries (goods movements and confirmed warehouse tasks). Periodicity analogous to `WME_TO`	`LIME_NLOG`
Site Logistic Processing	Door Activities	`WME_DOOR`
	Vehicle Activities	`WME_VEH`
	Transport Unit Activities	`WME_TU`
Labor Management	Indirect Labor Tasks	`WME_ILT`
	Executed Workloads	`WME_EWL`
	Employee Performance Documents	`WME_EPD`
	Business Partners (Processors) — only if created originally in SAP EWM	`CA_BUPA`
Freight Order Processing	Shipments	`TM_SHP`
	Freight Documents	`TM_FRD`

> 💡 Note
>
> Replicated master data (for example, products, locations, supply chain units, business partners, and batch data) does not have to be archived in SAP EWM. Master data is deleted by the solution (for example SAP ERP or SAP CRM) in which it was originally created.

For periodic tasks required to contain data growth (that is, to reorganize temporary data), see *Periodic Tasks* [page 25].

3.4 Data Consistency

SAP EWM exchanges data with SAP ERP using asynchronous messages. If the message exchange fails, you can re-send messages. Therefore, data inconsistencies do not apply here. For more information about tools for checking message exchange errors, see the *Other Important Problem Analysis and Monitoring Tools* section in this guide.

4 Management of SAP EWM

We provide you with an infrastructure to help your technical support consultants and system administrators effectively manage all SAP components and complete all tasks related to technical administration and operation.

For more information on the underlying technology, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for SAP NetWeaver* ↵.

4.1 Starting and Stopping

SAP EWM is provided as part of SAP SCM or as an add-on to SAP ERP.

■ SAP EWM as part of SAP SCM: SAP EWM is started/stopped together with the SCM Server (STARTSAP/STOPSAP). For more information, see SAP Service Marketplace at ▷ http://service.sap.com/instguides → *SAP Business Suite Applications → SAP SCM → SAP SCM Server → Using SAP enhancement package 2 for SAP SCM Server 7.0 → Application Operations Guide for EHP2 for SAP SCM 7.0* ↵.

■ SAP EWM as an add-on to SAP ERP: SAP EWM is started/stopped together with SAP ERP (STARTSAP/STOPSAP). For more information, see SAP Service Marketplace at ▷ http://service.sap.com/instguides → *SAP Business Suite Applications → SAP ERP → SAP ERP 6.0 → SAP enhancement packages for SAP ERP 6.0 → SAP enhancement package 6 for SAP ERP 6.0 → EHP 6 for SAP ERP 6.0 — Operations Guide* ↵.

In both cases, we recommend that you start the interface components CIF and SAP XI (if used) after starting SAP EWM and that you stop them before stopping SAP EWM.

For more information about STARTSAP/STOPSAP and SAPMMC, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 including Enhancement Package 3 → English → SAP NetWeaver → SAP NetWeaver by Key Capability → Solution Life Cycle Management by Key Capability → Starting and Stopping SAP Systems Based on SAP NetWeaver* ↵.

For more information about the components necessary for business scenarios and processes, see the SAP EWM Master Guide on SAP Service Marketplace at ▷ http://service.sap.com/instguides → *SAP Business Suite Applications → SAP SCM → SAP EWM → Using SAP Enhancement Package 2 for SAP EWM 7.0* ↵.

Starting and Stopping CIF

See the SAP SCM Application Operations Guide.

4.2 Software Configuration

This section explains which components and scenarios used by this application can be configured and which tools are available to do so.

Component Configuration Tools

Component	Configuration Tool(s)	Detailed Description
SAP SCM Basis	Not relevant	No technical configuration data
SAP EWM	Not relevant	No technical configuration (all technical configuration that is required for running SAP EWM is part of SAP NetWeaver)

4.3 Administration Tools of Software Components

SAP Extended Warehouse Management and the underlying components are all technically based on SAP NetWeaver. For information about the relevant administration tools, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ↵.

4.4 Backup and Restore

You need to back up your system landscape regularly to ensure that you can restore and recover it in case of failure.

The backup and restore strategy for the application consists of two parts:

■ Backup and restore coverage for each component (see table below)
■ Cross-system data dependencies and handling

The backup and restore strategy for your system landscape must not only consider SAP systems but must also be embedded in the overall business requirements and incorporate your company's entire process flow.

In addition, the backup and restore strategy must cover disaster recovery processes, such as the loss of a data center through fire. In this context, it is essential that you ensure that backup devices are not lost together with normal data storage (separation of storage locations).

Based on the type of application data contained in a component, we have introduced a categorization scheme for system components that can be used to analyze the backup requirements of any system component and to easily determine an appropriate backup method for this component. The following table contains the appropriate categories of system components for backup and restore.

Component	Category	Application Data Type	Backup Method for Application Data
SAP EWM, SAP SCM Basis	XI	Orig./Repl.	Database and log backup; file system backup (full and/or incremental)

The following table lists the components used by SAP EWM and how to back them up:

Component	Data to Be Backed Up	Backup Method/ Tool	Recommended Backup Frequency	Backup Sequence (If Required)
SAP SCM Basis (Category XI)	Original application data (where data is exchanged with other systems; based on Web AS), application log data, software, configuration data, log data	Data: Database and log backup, application log backup (such as job logs in file system), data consistency with other systems must be considered – Backup of software, configuration, log files	Application data: SAP recommendation: daily; redo log files periodically (for ex. hourly) Log/configuration files on file system level: once a week full backup, daily incremental backup Software: SAP recommendation: after installation and before & after each software change such as patches and upgrades	N/A
SAP EWM (Category XI)	Original application data, data exchange with other systems, based on SAP Web AS Software, configuration data, log data	Data: Database and log backup, application log backup (such as job logs in file system), data consistency with other systems must be considered – Backup of software, configuration, log files	Application data: SAP recommendation: daily; redo log files periodically (for ex. hourly) Log/configuration files on file system level: once a week full backup, daily incremental backup Software: SAP recommendation: after installation	N/A

Component	Data to Be Backed Up	Backup Method/ Tool	Recommended Backup Frequency	Backup Sequence (If Required)
			and before & after each software change like patches and upgrades	

Classification

SAP EWM is the leading component for application data, for example, warehouse tasks and warehouse data. It also stores replicated data such as business partners or product data. SAP EWM exchanges data with various components of an SAP Business Suite system landscape.

SAP EWM is based on SAP Web AS. As a component with application data, the backup/restore must comprise a database and an ABAP application server backup/restore. SAP EWM is an ABAP-based component and the technical configuration data is stored in ABAP database tables.

SAP EWM as an add-on to SAP ERP must always be backed up together with SAP ERP. For the backup and recovery of the database, the ABAP Application Server, and SAP ERP, see the SAP ERP Application Operations Guide at ▶ http://service.sap.com/instguides → *SAP Business Suite Applications* → *SAP ERP* → *SAP ERP 6.0* → *SAP enhancement packages for SAP ERP 6.0* → *SAP enhancement package 6 for SAP ERP 6.0* → *EHP 6 for SAP ERP 6.0 − Operations Guide* ↵.

There are no data dependencies between SAP EWM and other components of SAP SCM.

Backup

The backup of the database and SAP Web AS includes application data, configuration settings, and log data. For more information, see the Best Practice documentation for backing up and restoring SAP Business Suite on SAP Service Marketplace at http://service.sap.com/bp-roadmap.

Online Backup

The data contained in the database can be backed up online. However, this is not possible for the runtime infrastructure. An online backup refers to the system landscape and not the databases that contain the business-critical application or the infrastructure components.

> 💡 Note
>
> If you perform a backup while the server is running, open files may not be backed up.

Restore

See the Best Practice documentation for backing up and restoring SAP Business Suite on SAP Service Marketplace at http://service.sap.com/bp-roadmap.

Backup and Recovery of SAP NetWeaver Components

For the backup and recovery concept for all other SAP NetWeaver components mentioned in this guide, such as SAP XI, see SAP Library for SAP NetWeaver on SAP Help Portal at

http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◀.

4.5 Application Copy

For a system copy of the SAP EWM component as part of SCM or as an add-on to SAP ERP, the standard procedures of SAP NetWeaver apply.
For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at
http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◀.
Heterogeneous system copies are currently supported on request and on a project basis. For more information and forms, see http://service.sap.com/osdbmigration.

💡 Note

A client copy from one system to another system with a different operating system or database is not an alternative to a complete heterogeneous migration. For example, client copies do not ensure that all repository changes are transferred to the new system. Therefore, if you want to change your database or application server platform, a heterogeneous system copy is the only procedure that ensures data is fully replicated to the new system.

4.6 Periodic Tasks

In addition to the standard jobs mentioned in *Technical Operations for SAP NetWeaver* in SAP Library, you must schedule SAP EWM-specific jobs in your SAP system.
All jobs, unless otherwise specified, must be run at times of minimal system activity, so as not to affect performance or otherwise disrupt your daily operations. All jobs are can be restarted. There are no dependencies between the jobs.

4.6.1 Scheduled Periodic Tasks

This section describes all tasks that can be automated and that must be run periodically to keep the application running smoothly. Such tasks may be required on component level and are, therefore, relevant in each scenario that uses the component. Other tasks may be relevant for certain business scenarios only. It is important that you monitor the successful execution of these tasks on a regular basis.
For more information about the components necessary for business scenarios and processes, see the SAP EWM Master Guide on SAP Service Marketplace at ▶ http://service.sap.com/instguides →

SAP Business Suite Applications → SAP SCM → SAP EWM → Using SAP Enhancement Package 2 for SAP EWM 7.0 ↵.

Standard/Housekeeping Jobs

Program Name/Task	Recommended Frequency	Detailed Description
Transaction SARA	Depends on the archiving object and the DB growth	Archiving of archiving objects mentioned in *Data Growth and Data Archiving Monitors* [page 17]
Transaction SLG2 (report SBAL_DELETE)	Weekly/monthly	Deletion of application logs described in *Trace and Log Files* [page 14]
Report RSPPFCLEAN	Same periodicity as archiving of deliveries	Deletion of PPF action data that is not deleted with the deletion or archiving of the dependent object
Report /LIME/COLLECTION_DELETE	Periodicity analogous to archiving periods of the confirmed warehouse tasks	Warehouse Logistics Processing: Deletes the dispatch message log for goods movements between SAP EWM and SAP ERP. ■ *Planning System* ■ *Business Warehouse* ■ *Financial System* ■ *Inventory System* ■ *External System* ■ *R/3 Inventory Mngmt* ■ *GI_W2IM:* X ■ Minimum Age in Days ■ End Date of Deletion Run: fill in actual date All processed records will be deleted
Report /LIME/BACKGROUND_DELETE_EXEC	Weekly/monthly To delete zero quantities, set no other parameter.	Inventory: Deletes DB entries for zero stock quantities and − on request − index entries without stock. SAP EWM index tables: /SCWM/STOCK_IW01, _IW02, _IW03 and _IW04 The index table entries are only deleted if this is allowed in Customizing. For more information, see Customizing for SAP EWM under ▶ *SCM Basis → Logistics Inventory Management Engine (LIME) → Basic Settings → Index Tables and Hierarchy → Determine Index Tables* ↵. Start the program with the default parameter values and enter W01, W02, W03, and W04 as parameters for *Stock indices*. All SAP EWM-specific zero stock quantities will be deleted.

Program Name/Task	Recommended Frequency	Detailed Description
Report /SCWM/R_REORG_HU_WO_PRINT	Periodicity analogous to archiving periods of the warehouse tasks	Warehouse Logistic Processing: Deletes SAP EWM-specific PPF action data
Report /SAPAPO/DELETE_PRODUCTS	Monthly	Master data: Deletes products with deletion flag
Report /SAPAPO/DELETE_LOCATIONS	Yearly	Master data: Deletes locations with deletion flag
Report /SCMB/ALEN_ALERT_DELETE	Weekly/monthly	Deletes alerts older than x days
Report /SCWM/R_MS_RESULT_DELETE	Depends on the usage of Measurement Services	Labor Management (Analytics): Deletes Measurement Service Results (*SAP Easy Access* screen ▷ *Extended Warehouse Management → Settings → Measurement Services → Periodic Processing* ◁)
Report /SCTM/DELETE_ROUTE	Monthly	Master data: Deletes routes with deletion flag
Report /SCTM/DELETE_ZONE	Monthly	Master data: Deletes transportation zones with deletion flag
Report /SCTM/CLEANUP_PPF	Yearly	Freight order processing: deletes the PPF actions without corresponding business objects (actions to publish the deletion of the objects)
Transaction /SCWM/VALUATION_SET		Determines and sets prices from SAP ERP
Report /SCWM/R_BW_COLLECTIVE_RUN		Transfers extracted data from qRCF-Queue WMTB (warehouse task), WMOB (warehouse order), WMBB (storage bin), WMDB (delivery item), or WMVB (Value Added Service) to the BI Delta Queue.
Report /SCWM/R_WM_ADJUST		Posts differences (for example, warehouse task differences) to the SAP ERP system
Transaction /SCWM/POD_IMP		Deletes POD data
Report /SCWM/R_DAS_DELETE		Deletes old DAS time slots and appointments
Report /SCWM/R_PDO_COMPLETE	Daily	Completes outbound delivery order items with zero quantity

4.6.2 Required Manual Periodic Tasks

This section describes all manual tasks that must be run periodically to keep the application running smoothly over time. A manual task must be executed by a user, in contrast to the scheduled tasks listed above, which can be automated using a task scheduler program. Such tasks may be required on component level and are, therefore, relevant in each scenario that uses the component. Other tasks may be relevant for certain business scenarios only. It is important that you monitor the successful execution of these tasks on a regular basis.

Required Manual Periodic Tasks

Task or Transaction	Recommended Frequency	Detailed Description
Transaction /SCWM/VALUATION_SET	Depends on the usage of price information in the physical inventory process. Weekly or monthly.	Physical Inventory: obtain product prices from SAP ERP (*SAP Easy Access* screen ▷ *Extended Warehouse Management* → *Physical Inventory* → *Periodic Processing* ◀)
Transaction /SCWM/CAPDEL	Depends on how often planned shipping HUs are used in the outbound process. Weekly, monthly, or yearly.	For goods issue posted outbound delivery orders the planned shipping can be deleted.
Web Dynpro Application /SCWM/DSSLOT_GEN	Depends on the usage of time slots in Dock Appointment Scheduling. Weekly or monthly.	For the creation of time slots in the graphical view of Dock Appointment Scheduling.

4.7 Logging On and Load Balancing

SAP Extended Warehouse Management uses standard SAP NetWeaver functions for logon and load balancing.

For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 including Enhancement Package 3* → *SAP NetWeaver by Key Capability* → *Solution Life Cycle Management by Key Capability* → *SAP High Availability* ◀.

For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ◀.

4.8 User Management

SAP EWM uses standard SAP NetWeaver functions for user management.

For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at
http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *SAP NetWeaver Security Guide* → *User Administration and Authentication* ↵.

For an overview of the information necessary for operating SAP NetWeaver Identity Management, see the *Solution Operation Guide* on SAP Service Marketplace at ▶ http://service.sap.com/instguides → *SAP NetWeaver* → *SAP NetWeaver Identity Management* → *SAP NetWeaver Identity Management 7.2: Documentation Center* ↵.

4.9 Printing

SAP EWM uses standard SAP NetWeaver functions for printing.

For more information about printing, see SAP Library for SAP NetWeaver on SAP Help Portal at
http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* → *Administration of SAP NetWeaver Systems* → *Application Server ABAP (AS ABAP)* → *SAP Printing Guide* ↵.

5 High Availability

SAP EWM uses standard SAP NetWeaver functions for high availability.

For more information about high availability, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (Including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *SAP NetWeaver by Key Capability* → *Solution Life Cycle Management by Key Capability* → *SAP High Availability* ↵.

6 Software Change Management

Software Change Management standardizes and automates software distribution, maintenance, and testing procedures for complex software landscapes and multiple software development platforms. These functions support your project teams, development teams, and application support teams. The goal of Software Change Management is to establish consistent, solution-wide change management that allows for specific maintenance procedures, global rollouts (including localizations), and open integration with third-party products.

This section provides additional information about the most important software components for SAP EWM.

The following topics are covered:

- Transport and Change Management – Enables and secures the distribution of software changes from the development environment to the quality assurance and production environment.
- Development Request and Development Release Management – Enables customer-specific maintenance procedures and open integration with third-party products.
- Template Management – Enables and secures the rollout of global templates, including localizations.
- Quality Management and Test Management – Reduce the time, cost, and risk associated with software changes.
- Support Packages and SAP Notes Implementation – Provide standardized software distribution and maintenance procedures.
- Release and Upgrade Management – Reduces the time, cost, and risk associated with upgrades.

6.1 Transport and Change Management

For transport and change management issues, the procedures of SAP NetWeaver apply for SAP EWM. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▶ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* → *Administration of SAP NetWeaver Systems* → *Application Server ABAP (AS ABAP)* → *Change and Transport System* ◀.

6.2 Development Requests and Development Release Management

SAP EWM uses standard SAP NetWeaver procedures. For more information, see SAP Library for SAP NetWeaver on SAP Help Portal at `http://help.sap.com/nw703`. In SAP Library, choose ▷ *SAP NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver Library* → *Administrator's Guide* → *Technical Operations for SAP NetWeaver* ↵.

6.3 Template Management

You can configure Customizing settings by using Business Configuration Sets (BC Sets). For more information about BC Sets, see the BC Set Documentation.

6.4 Quality Management and Test Management

You can use the SAP NetWeaver Development Infrastructure to learn about the various possibilities to test your software changes.

6.5 Support Packages and Patch Implementation

We recommend that you implement Support Package Stacks (SP Stacks), which are sets of Support Packages and patches for the respective product version that must be used in the given combination. The technology for applying Support Packages and patches will not change.
For more information about the availability of SP Stacks, see SAP Service Market Place at `http://service.sap.com/sp-stacks`.
Read the corresponding Release and Information Notes (RIN) before you apply any Support Packages or patches of the selected SP Stack.
The RIN and Support Packages for SAP EWM are available on SAP Service Marketplace at `http://service.sap.com/patches`. Use the search function to find `EHP2 FOR SAP EWM 7.0`.
Use the Maintenance Optimizer (transaction `DSWP`) in SAP Solution Manager to select, download, and install the required software layers, or software components and required Support Packages. For more information, see the following:

- SAP Library for SAP Solution Manager on SAP Help Portal at `http://help.sap.com/solutionmanager`. In SAP Library, choose ▷ *Change Request Management and Change Control* → *Maintenance Optimizer* ↵.
- SAP Service Marketplace at `http://service.sap.com/solman-mopz`
- The documentation for transaction `SAINT` (SAP Add-On Installation Tool)

For more information about implementing Support Packages as well as possible side effects, see
▌ http://service.sap.com/patches → *SAP Support Packages in Detail* ◂.

For more information about the tools necessary for implementing patches, see SAP Library for SAP
NetWeaver on SAP Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▌ *SAP
NetWeaver 7.0 (including Enhancement Package 3)* → *English* → *SAP NetWeaver* → *Administrator's Guide* → *Technical
Operations for SAP NetWeaver* → *Administration of SAP NetWeaver Systems* → *Application Server ABAP (AS
ABAP)* ◂.

6.6 Release and Upgrade Management

SAP EWM is delivered as part of SCM Server or as an add-on to SAP ERP.

Component Release

Software Component	Release	Tool/Remark
SAP SCM Server	7.02	See below 1)
SAP ECC	6.0, EHP 6	See below 1)
SCM BASIS	7.02	▌ *System* → *Status* ◂
SCMBPLUS	7.02	See below 2)
XI CONTENT EWM	7.02	See below 3)
BI CONT	7.0 BI CONT ADDON 7.05	▌ *System* → *Status* ◂
QIE	200	▌ *System* → *Status* ◂
SAP EWM	7.02	▌ *System* → *Status* ◂

1. **SAP SCM Server or SAP ECC 6.0**
   For a complete list of components for SAP SCM Server or SAP ECC 6.0, see the SCM Application
   Operations Guide and the SAP ERP Solution Operation Guide.
2. **SCMBPLUS**
   The software component SCMBPLUS may only be used with an SCM Server installation.
3. **Displaying the Support Package Version of XI**
   For more information about version management in the Exchange Infrastructure of SAP
   NetWeaver, see SAP Library for SAP NetWeaver on SAP Help Portal at http://help.sap.com/nw703.
   In SAP Library, choose ▌ *SAP NetWeaver 7.0 (Including Enhancement Package 3)* → *English* → *SAP
   NetWeaver* → *SAP NetWeaver by Key Capability* → *Process Integration by Key Capability* → *SAP NetWeaver
   Exchange Infrastructure* → *Design and Configuration Time* → *Software Logistics for XI Objects* → *Version
   Management* ◂.
4. **Extended Maintenance**

We offer extended maintenance for application releases based on SAP NetWeaver 7.0 including Enhancement Package 3 and higher. If extended maintenance has been purchased for an application release, it also includes extended maintenance for an add-on release for this application, as long as extended maintenance is offered for this add-on release. However, extended maintenance is not offered for all add-on releases.

Example

If we offer extended maintenance for SAP EWM 7.0 (including SAP EhP1), you have installed SAP EWM 7.0 (including SAP EhP1) on SAP ECC 6.0, and you have purchased extended maintenance for SAP ECC 6.0, then extended maintenance for SAP ECC 6.0 includes extended maintenance for SAP EWM 7.0 (including SAP EhP1).

For more information about planned maintenance durations, see the Product Availability Matrix on SAP Service Marketplace at http://service.sap.com/pam.

7 Troubleshooting

For information about troubleshooting SAP NetWeaver, see SAP Library for SAP NetWeaver on SAP
Help Portal at http://help.sap.com/nw703. In SAP Library, choose ▌ *SAP NetWeaver 7.0 (Including
Enhancement Package 3) → English → SAP NetWeaver Library → Administrator's Guide → Technical Operations for
SAP NetWeaver* ◄.

7.1 Tools for Troubleshooting

The following tools are available for troubleshooting SAP EWM:

■ Application logs
 For more information, see *Trace and Log Files* [page 14].
■ Where-used list
 The where-used list informs you about where a product is used in SAP EWM. This enables
 you, for example, to determine whether a product is still used in a document and to identify
 inconsistencies in the product data. For more information, see SAP Library for SAP EWM on SAP
 Help Portal at http://help.sap.com/ewm/702. In SAP Library, choose ▌ *SCM Basis → SCM Basis
 Master Data → General Master Data Functions → Deleting Master Data → Where-Used List for Master Data* ◄.

7.2 Typical Issues with the Web User Interface

The following list provides an overview of typical issues with the Web user interface and explains
how to resolve them:

■ **No Web screens shown in the Web browser**
 Services must be activated before users can call Web screens in the Internet browser. If the services
 have not been activated, the system displays an error message. In this case, check your settings by
 choosing the following on the *SAP Easy Access* menu: ▌ *Tools → Administration → Network → HTTP
 Service Hierarchy Network* ◄. For more information about the required settings, see the configuration
 documentation for SAP EWM in SAP Solution Manager.
■ **Security warnings in Microsoft Internet Explorer**
 If you work with Microsoft Internet Explorer, the following cases may arise:
 ● The system displays the following message when running SAP EWM: *Security Information — This
   message contains both secure and nonsecure items. Do you want to display the nonsecure items?*

● The screen terminates and the system displays the message *Action canceled — Internet Explorer was unable to link to the Web page you requested. The page might be temporarily unavailable.*

In this case, check your Internet Explorer settings as follows:

1. Choose ▌▶ *Tools → Internet Options → Security* ◀┘.
2. Choose *Custom level...*
3. In the *Miscellaneous* section, find the option *Launching programs and files in an IFRAME* and select the *Disable* checkbox.

The security warnings then no longer appear.

8 Support Desk Management

Support Desk Management enables you to set up an efficient internal support desk for your support
organization that seamlessly integrates your end users, internal support employees, partners, and SAP
Active Global Support specialists with an efficient problem resolution procedure.

For support desk management, you need the methodology, management procedures, and tools
infrastructure to run your internal support organization efficiently.

The following topics are covered:

■ Remote Support
■ Component hierarchy relevant for this application

8.1 Remote Support Setup

SAP support must be able to work remotely for highest efficiency and availability and, therefore,
requires remote access to all necessary support tools. For SAP EWM, the standard SAP procedures
for setting up remote support apply.

For information about Remote Support Setup, see SAP Service Marketplace at
http://service.sap.com/access-support.

8.2 Problem Message Handover

To send problem messages or tickets to SAP, choose the appropriate component (or subcomponent)
name from the SAP component hierarchy:

Component	Description
SCM EWM	Extended Warehouse Management
SCM-EWM-ANA	Analytics
SCM-EWM-ARC	Archiving
SCM-EWM-AUT	Authorization
SCM-EWM-CD	Cross-Docking
SCM-EWM-CAP	Cartonization Planning
SCM-EWM-DLP	Delivery Processing

Component	Description
SCM-EWM-DAS	Dock Appointment Scheduling
SCM-EWM-EH	Exception Handling
SCM-EWM-GM	Goods Movements
SCM-EWM-IF	Interfaces
SCM-EWM-LM	Labor Management
SCM-EWM-MD	Master Data
SCM-EWM-MD	Fulfillment Coordination
SCM-EWM-MFS	Material Flow System
SCM-EWM-MON	Monitoring
SCM-EWM-PI	Physical Inventory
SCM-EWM-PRC	Preconfigured Processes
SCM-EWM-PRN	Printing
SCM-EWM-QM	Quality Management
SCM-EWM-RF	Radio Frequency Processing
SCM-EWM-RG	Routing Guide
SCM-EWM-SR	Shipping and Receiving
SCM-EWM-TM	Transportation Management
SCM-EWM-UIF	User Interface Framework
SCM-EWM-VAS	Value Added Services
SCM-EWM-WAV	Wave Management
SCM-EWM-WC	Work Center
SCM-EWM-WOP	Warehouse Order Processing

For information about safeguarding, see http://service.sap.com/safeguarding.

A Appendix

A.1 Appendix

A.1.1 Categories of System Components for Backup and Restore

Categories of System Components	Category Properties	Suggested Methods for Backup and Restore	Examples
I	Only software, no configuration or application data	■ No backup, new installation in case of a recovery or ■ Initial software backup after installation and upgrade ■ Backup of log files	BDOC modeler
II	Only software and configuration information, no application data	■ Backup after changes have been applied or ■ No backup, new installation and configuration in case of a recovery ■ Backup of log files	SAP Gateway Comm. Station SAP Business Connector SAP IPC (2.0C)
III	Only replicated application data, replication time is sufficiently small for a recovery	Data: ■ No data backup needed ■ Backup of software, configuration, log files	SAP IMS/Search Engine SAP IPC (2.0B) Webserver SAP ITS
IV	Only replicated application data, backup recommended because replication time is too long, data not managed by a DBMS	Data: ■ Application-specific file system backup or ■ Multiple instances ■ Backup of software, configuration, log files	SAP IMS/Search Engine Webserver
V	Only replicated application data, backup recommended because replication time is too long, data managed by a DBMS	Data: ■ Database and log backup or ■ Multiple instances ■ Backup of software, configuration, log files	SAP IPC (2.0B) Catalog Server

Categories of System Components	Category Properties	Suggested Methods for Backup and Restore	Examples
VI	Original application data, standalone system, data not managed by a DBMS	Data: ■ Application-specific file system backup ■ Backup of software, configuration, log files	Webserver
VII	Original application data, standalone system, data managed by a DBMS, not based on SAP WebAS	Data: ■ Database and log backup ■ Backup of software, configuration, log files	
VIII	Original application data, standalone system, based on SAP WebAS	Data: ■ Database and log backup, application log backup (such as job logs in file system) ■ Backup of software, configuration, log files	Standalone SAP ERP
IX	Original application data, data exchange with other systems, data not managed by a DBMS	Data: ■ Application-specific file system backup, data consistency with other systems must be considered ■ Backup of software, configuration, log files	
X	Original application data, data exchange with other systems, data managed by a DBMS, not based on SAP WebAS	Data: ■ Database and log backup, data consistency with other systems must be considered ■ Backup of software, configuration, log files	SAP liveCache SAP Mobile Workbench
XI	Original application data, data exchange with other systems, based on SAP WebAS	Data: ■ Database and log backup, application log backup (such as job logs in file system), data consistency with other systems must be considered ■ Backup of software, configuration, log files	SAP ERP SAP CRM SAP APO SAP BW

A.1.2 Related Guides

For more information about installation and configuration, see the Master Guide.

A.1.3 Related Information

The following table contains links to information related to the Application Operations Guide.

Content	Quick Link on SAP Service Marketplace
Master Guide, Installation Guide and Upgrade Guide	http://service.sap.com/instguides
Related SAP Notes	http://service.sap.com/notes
Released Platforms	http://service.sap.com/platforms
Network Security	http://service.sap.com/securityguide
	http://service.sap.com/network
Technical Infrastructure	http://service.sap.com/ti
SAP Solution Manager	http://service.sap.com/solutionmanager

A.1.4 External Messages

The following table contains a list of the external messages, including the system, processing, and the application components involved. For more information about the semantics and the queues involved, see the following sections:

- Semantics of External Messages
- Queues of External Messages

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SCWM/INB_DELIVERY_REPLACE	ERP	EWM	Function module	
/SCWM/INB_DLV_SAVEREPLICA	ERP	EWM	Function module	
/SCWM/INB_PO	ERP	EWM	Function module	
/SCWM/OBDLV_CHNG_QUAN_MUL	ERP	EWM	Function module	
/SCWM/OUTB_DLV_CHANGE	ERP	EWM	Function module	
/SCWM/OUTB_DLV_SAVEREPLICA	ERP	EWM	Function module	
/SPE/INB_DELIVERY_CONFIRM_DEC	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/INB_DELIVERY_REPLACE	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SPE/INB_DELIVERY_SAVEREPLICA	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/INB_DELIVERY_RESPONSE	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/INB_DELIVERY_SPLIT	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/INB_EGR_CREATE_PROD /SPE/INB_EGR_CREATE_POSA	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/OUTB_DELIVERY_SAVEREPLICA	EWM	ERP	Function module	
BAPI_OUTB_DELIVERY_CONFIRM_DEC	EWM	ERP	Function module	
BAPI_OUTB_DELIVERY_REJECT	EWM	ERP	Function module	
BAPI_OUTB_DELIVERY_SPLIT_DEC	EWM	ERP	Function module	
CIFMAT, CFP1, CFM2/3	ERP	EWM	Function module	
BAPI_BATCH_SAVE_REPLICA	EWM	ERP	Function module	
/SCWM/QFU_BY_EXTERNAL	ERP	EWM	Function module	SMQ1 (EWM) / SMQ2 (ERP)
QIE_RFC_CONF_CANCEL_EXT_INSP	ERP	QIE/ EWM	Function module	ERP: SWEQADM, SWETYPV, SWELS, SMQ1 EWM: SMQ2
QIE_RFC_CONF_CHANGE_EXT_INSP	ERP	QIE/ EWM	Function module	ERP: SWEQADM, SWETYPV, SWELS, SMQ1 EWM: SMQ2
QIE_RFC_CONF_EXT_INSP	ERP	QIE/ EWM	Function module	ERP: SWEQADM, SWETYPV, SWELS, SMQ1 EWM: SMQ2
QIE_RFC_NOTIFY_RES_EXT_INSP	ERP	QIE/ EWM	Function module	SMQ1 (EWM) / SMQ2 (ERP)
QIE_RFC_STATUS_INFO_EXT_INSP	ERP	QIE/ EWM	Function module	ERP: SWEQADM, SWETYPV, SWELS, SMQ1 EWM: SMQ2
/SPE/INSP_MAINTAIN_MULTIPLE	EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
QPLEXT_RFC_INSP_LOT_CREATE	QIE/ EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
QPLEXT_RFC_INSP_LOT_CHANGE	QIE/ EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
QPLEXT_RFC_INSP_LOT_CANCEL	QIE/ EWM	ERP	Function module	SMQ1 (EWM) / SMQ2 (ERP)
/SPE/GOODSMVT_CREATE	EWM	ERP	Function module	SMQ2 (ERP)
/SPE/PO_CREATE	EWM	ERP	Function module	
/SCWM/IDOC_OUTPUT_GOODSMVT_CR	EWM	ERP	IDOC	

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SCWM/OALE_PACKSPEC_REPLICATE	APO/ EWM	APO/ EWM	Function module	SMQ1
/SCWM/API_PACKSPEC_REPLICATE	APO/ EWM	APO/ EWM	Function module	
/SCWM/OALE_ELEMGROUP_REPLICATE	APO/ EWM	APO/ EWM	Function module	SMQ1
/SCWM/API_ELEMGROUP_REPLICATE	APO/ EWM	APO/ EWM	Function module	
/SCWM/OALE_WORKSTEP_REPLICATE	APO/ EWM	APO/ EWM	Function module	SMQ1
/SCWM/API_WORKSTEP_REPLICATE	APO/ EWM	APO/ EWM	Function module	
/SCWM/OALE_CONDITION_REPLICATE	APO/ EWM	APO/ EWM	Function module	SMQ1
/SCWM/API_CONDITION_REPLICATE	APO/ EWM	APO/ EWM	Function module	
/SCWM/GTS_CBLOCK_RELEASE	GTS	EWM	Function module	SM58 and report /SCWM/GTS_CBREL_MON
/SCWM/WMSUID01	non-SAP	EWM	IDOC	
/SCWM/WMTCID01	non-SAP	EWM	IDOC	
/SCWM/WMBIID01	non-SAP	EWM	IDOC	
/SCWM/WMRRID01	EWM	non-SAP	IDOC	
TMSHP1	EWM	non-SAP	IDOC	
TMFRD2	EWM	non-SAP	IDOC	
/SCWM/WMCAID01	non-SAP	EWM	IDOC	
/SCWM/WMPHID01	non-SAP	EWM	IDOC	
/SCWM/WMTOID01	non-SAP	EWM	IDOC	
/SCWM/MFS_SEND	EWM	non-SAP	Function module	*Warehouse Management Monitor Node MFS → Telegram buffer → Outgoing Telegram*
SHPMNT05	EWM	ERP	IDOC	

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
TPSSHT01	EWM	ERP	IDOC	
SHP01NT05	ERP	EWM	IDOC	
/SCWM/MFS_RECEIVE2	non-SAP	EWM	Function module	▷ *Warehouse Management Monitor Node MFS → Telegram buffer → Incoming Telegram* ◁
/SCWM/BAPI_PI_DOCUMENT_COUNT	non-SAP	EWM	BAPI	
/SCWM/BAPI_PI_DOCUMENT_POST	non-SAP	EWM	BAPI	
/SCWM/BAPI_PI_DOCUMENT_DELETE	non-SAP	EWM	BAPI	
/SCWM/BAPI_PI_DOCUMENT_CREATE	non-SAP	EWM	BAPI	
ME_APO_FORWARD_PO_TO_APO	EWM	ERP	Function module	
0WM_DLVI	BI	EWM	BI Data Source	
0WM_EWL	BI	EWM	BI Data Source	
0WM_EXCCODE	BI	EWM	BI Data Source	
0WM_MS_RESULT	BI	EWM	BI Data Source	
0WM_PL_DLVI	BI	EWM	BI Data Source	
0WM_VAS	BI	EWM	BI Data Source	
0WM_WO	BI	EWM	BI Data Source	
0WM_WT	BI	EWM	BI Data Source	
0WM_WT_WO	BI	EWM	BI Data Source	
0WM_BIN	BI	EWM	BI Data Source	
0WM_LGNUM_ATTR	BI	EWM	BI Data Source	
0WM_LGNUM_TEXT	BI	EWM	BI Data Source	
0WM_MS_TEXT	BI	EWM	BI Data Source	
//1BEA/CRMB_DL_O_RFCCOLLRUN	EWM	CRM	Function module	
/1BEA/CRMB_BD_O_RFCCOLLCANCEL	EWM	CRM	Function module	
/1BEA/CRMB_BD_O_RFCPRINT	EWM	CRM	Function module	
/SAPSLL/GTS_CSD_PRINTREQUEST	EWM	CRM	Function module	
/SPE/AAC_DETERMINATION	EWM	ERP	Function module	Report /SCWM/RACC_IMP_ERP_UI

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
`BAPI_TIMEAVAILSCHEDULE_BUILD`	ERP HR	EWM	Function module	
`BAPI_WAGECOMPEXT_GETLIST`	ERP HR	EWM	Function module	
`BAPI_WAGECOMPEXT_CREATE`	EWM	ERP HR	Function module	
`BAPI_WAGECOMPEXT_DELETE`	EWM	ERP HR	Function module	
`/SPE/INB_CALL_TRX_VL60`	EWM	ERP	Function module	
`/SPE/WBS_ELEM_CONV_INT_EXT`	ERP	EWM	Function module	
`/SCWM/DLV_DELTA_SELECT`	ERP	EWM	Function module	
`BAPI_BATCH_GET_DETAIL`	ERP	EWM	Function module	
`BAPI_OBJCL_GETCLASSES`	ERP	EWM	Function module	
`/SPE/GET_T156`	ERP	EWM	Function module	
`/SPE/MBEW_GEN_ARRAY_READ`	ERP	EWM	Function module	
`L_MM_MATERIALS_READ_QUANTITY`	ERP	EWM	Function module	Report `/SCWM/ERP_STOCKCHECK`
`CONVERSION_EXIT_CORPR_INPUT`	ERP	EWM	Function module	
`BAPI_MATERIAL_AVAILABILITY`	ERP	EWM	Function module	
`/SAPSLL/API_6800_TEWM_SYNCH`	EWM	GTS	Function module	
`/SCWM/GTS_SCRAPPING_RELEASE`	GTS	EWM	Function module	
`/SCWM/GTS_SHP_PROC_RELEASE`	GTS	EWM	Function module	
`/SAPSLL/API_6800_SYNCH_MASS`	EWM	GTS	Function module	
`/SAPSLL/API_LCLIC_EXTNO_GET`	EWM	GTS	Function module	
`/SAPSLL/API_SYNCH_PRECIP_SPI`	GTS	EWM	Function module	
`/SAPSLL/EWM_SAKE_ERROR`	EWM	GTS	Function module	
`/SAPSLL/API_6800_SCRP_SYNCH`	EWM	GTS	Function module	
`/SCWM/MATERIAL_RFC_READ`	APO	EWM	Function module	
`/SCWM/DATE_TO_PERIOD_CONVERT`	APO	EWM	Function module	
`/SCWM/FIRST_DAY_IN_PERIOD_GET`	APO	EWM	Function module	
`/SCWM/GET_ACCOUNT_OF_PERIODS`	APO	EWM	Function module	
`/SCWM/LAST_DAY_IN_PERIOD_GET`	APO	EWM	Function module	
`/SCWM/T009B_READ_MULTI`	APO	EWM	Function module	
`/SCMB/MDL_KEYC_BY_VRSIOEX`	APO	EWM	Function module	
`/SCMB/MDL_LOC_GET`	EWM	EWM	Function module	

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SCWM/LOCATION_RANGE_GETF4	APO	EWM	Function module	
/SAPAPO/PFCS_VALID_PERKZ_GET	APO	EWM	Function module	
/SAPAPO/PFCS_DEMAND_KYFSEM_GET	APO	EWM	Function module	
BAPI_APOATP_CHECK	EWM	APO	Function module	
/SCMB/MDL_LOCPROD_READ_MULTI	APO	EWM	Function module	
DespatchedDeliveryNotification_Out	EWM	non-SAP	XI	SXMB_MONI
/SCWM/BIF_YRD_VAPP_QR	non-SAP	EWM	XI+WEBservice	SXMB_MONI
VehicleAppointmentCreatedNotification_Out	EWM	non-SAP	XI	SXMB_MONI
VehicleAppointmentChangedNotification_Out	EWM	non-SAP	XI	SXMB_MONI
VehicleAppointmentCancelledNotification_Out	EWM	non-SAP	XI	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CHANGE_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CAIN_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CAOUT_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CHIN_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CHOUT_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_CONN_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_DISC_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_LOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_VAPP_ULOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_DAPP_QR	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_DAPP_CREATE_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SCWM/BIF_YRD_DAPP_CANCEL_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_DAPP_LOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_DAPP_ULOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
DockAppointmentChangedNotification_Out	non-SAP	EWM	XI	SXMB_MONI
DockAppointmentCreatedNotification_Out	non-SAP	EWM	XI	SXMB_MONI
DockAppointmentCancelledNotification_Out	non-SAP	EWM	XI	SXMB_MONI
/SCWM/BIF_YRD_TAPP_BLOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_QR	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_CAIN_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_CAOUT_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
TransportationUnitAppointmentCreatedNotification_Out	non-SAP	EWM	XI	SXMB_MONI
TransportationUnitAppointmentCancelledNotification_Out	non-SAP	EWM	XI	SXMB_MONI
TransportationUnitAppointmentChangedNotification_Out	non-SAP	EWM	XI	SXMB_MONI
/SCWM/BIF_YRD_TAPP_CHANGE_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_CHIN_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_CHOUT_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_LOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_ULOCK_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI
/SCWM/BIF_YRD_TAPP_UBLOC_RC	non-SAP	EWM	XI+WEBservice	SXMB_MONI

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
TransportationUnitAppointmentLoad ingAdvancedNotification_Out	non-SAP	EWM	XI	SXMB_MONI
/SCWM/RFID_ACTION	All	EWM	Function module	
/SCWM/RFID_AII_EWM	All	EWM	WEBservice	
/AIN/PUB_IDCONV_ENCODE	EWM	All	Function module	
/AIN/PUB_IDCONV_ENCODE_NUMGEN	EWM	All	Function module	
/AIN/PUB_IDCONV_DECODE	EWM	All	Function module	
/AIN/PUB_IDCONV_FORMATS_GET	EWM	All	Function module	
/AIN/PUB_DEVCOM_SPOOL_PRINT	EWM	All	Function module	
/AIN/ID_ALT_FORMATS_GET	EWM	All	WEBservice	
/AIN/ID_ENCODE_NUMGEN	EWM	All	WEBservice	
/AIN/AutoIDLabel_PrintRC	EWM	All	WEBservice	
/SCWM/BIF_DLV_ID_QR ID	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_DLV_OD_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
DeliveryInformation_Out	EWM	non-SAP	XI	/SCWM/BIF_DLV_ID_QR ID
DeliveryInformation_Out	EWM	non-SAP	XI	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_WH_ID_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_WHAREA_ID_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SUBAREA_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_STAGAREA_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_BIN_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_WRKSTAT_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_DOOR_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_CHCKPNT_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBWHSEAREA_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID

Message	Sender System	Recipient System	Communication Type	Monitoring Transaction
/SCWM/BIF_SBSUBAREA_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBSTAGAREA_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBBIN_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBWRKSTAT_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBDOOR_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_SBCHCKPNT_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_HU_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
/SCWM/BIF_INV_QR	non-SAP	EWM	XI+WEBservice	/SCWM/BIF_DLV_ID_QR ID
RFC_READ_TABLE (query table U_11008)	EWM	ERP	Function module	Report /SCWM/R_PSA_REPLICATE (Transaction /SCWM/PSA_REPLICATE)
/SCWM/ERP_PSA_STOCK_QUERY	ERP	EWM	Function module	-
/SCWM/OUTB_DLV_CANCELLATION	ERP	EWM	Function module	-
IDENTITY_MODIFY	other	EWM	Function module	Identity Center Monitoring
IDENTITY_RETRIEVE	other	EWM	Function module	Identity Center Monitoring
0WM_BIN_FULL	BW	EWM	BI Data Source	-
0WM_DLVI_IN	BW	EWM	BI Data Source	-
0WM_DLVI_OUT	BW	EWM	BI Data Source	-
0WM_POD	BW	EWM	BI Data Source	-
0WM_STOCK	BW	EWM	BI Data Source	-
0WM_TU	BW	EWM	BI Data Source	-
0WM_WHCOST	BW	EWM	BI Data Source	-
0WM_DLVPROC_TEXT	BW	EWM	BI Data Source	-
0WM_EXCCODE_TEXT	BW	EWM	BI Data Source	-
0WM_EXCOBJTYPE_TEXT	BW	EWM	BI Data Source	-

A.1.4.1 Semantics of External Messages

Message	Semantics	Application Components	
		Sender	Recipient
/SCWM/INB_DELIVERY_REPLACE	Replacement request	LO-SPM-INB	SCM-EWM-IF-ERP
/SCWM/INB_DLV_SAVEREPLICA	Replicate inbound delivery	LO-SPM-INB	SCM-EWM-IF-ERP
/SCWM/INB_PO	Communicate Purchase Order changes	LO-SPM-INB	SCM-EWM-IF-ERP
/SCWM/OBDLV_CHNG_QUAN_MUL	Quantity change request for multiple delivery items	LO-SPM-OUTB	SCM-EWM-IF-ERP
/SCWM/OUTB_DLV_CHANGE	Change outbound deliveries	LO-SPM-OUTB	SCM-EWM-IF-ERP
/SCWM/OUTB_DLV_SAVEREPLICA	Replicate outbound delivery	LO-SPM-OUTB	SCM-EWM-IF-ERP
/SPE/INB_DELIVERY_CONFIRM_DEC	Confirms goods receipt for inbound deliveries	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/INB_DELIVERY_REPLACE	Report changes of inbound deliveries	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/INB_DELIVERY_SAVEREPLICA	Replicate inbound delivery	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/INB_DELIVERY_RESPONSE	Response to replacement request of ERP	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/INB_DELIVERY_SPLIT	Communicate delivery split	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/INB_EGR_CREATE_PROD /SPE/INB_EGR_CREATE_POSA	Request Goods Receipt Notifications	SCM-EWM-IF-ERP	LO-SPM-INB
/SPE/OUTB_DELIVERY_SAVEREPLICA	Replicate outbound delivery (without predecessor documents)	SCM-EWM-IF-ERP	LO-SPM-OUTB
BAPI_OUTB_DELIVERY_CONFIRM_DEC	Confirms goods issue for outbound deliveries, stock posting changes and returns deliveries; sends IBGI message (invoice before goods issue)	SCM-EWM-IF-ERP	LO-SPM-OUTB
BAPI_OUTB_DELIVERY_REJECT	Response to quantity change request of ERP	SCM-EWM-IF-ERP	LO-SPM-OUTB
BAPI_OUTB_DELIVERY_SPLIT_DEC	Communicate delivery split	SCM-EWM-IF-ERP	LO-SPM-OUTB

| Message | Semantics | Application Components | |
		Sender	Recipient
CIFMAT, CFP1, CFM2/3	Material Master Distribution (CIFMAT as ALE message type for CIF, CFP1 (periodic transfer of changes from ERP) or CFM2/3 (CIF initial transfer) or ERP Core Update with BTE for CIF)	SCM-APO-INT-MD	SCM-APO-INT-MD
BAPI_BATCH_SAVE_REPLICA	Creates new batch with valuation in ERP	SCM-EWM-MD-BA	
/SCWM/QFU_BY_EXTERNAL	Triggers putaway for an inspected stock	LO-SPM-RET	SCM-EWM-QM-RP
QIE_RFC_CONF_CANCEL_EXT_INSP	Confirm cancellation of inspection	QM-IM	CA-QIE
QIE_RFC_CONF_CHANGE_EXT_INSP	Confirm change inspection	QM-IM	CA-QIE
QIE_RFC_CONF_EXT_INSP	Confirm creation of inspection lot	QM-IM	CA-QIE
QIE_RFC_NOTIFY_RES_EXT_INSP	Results of inspection lot	QM-IM	CA-QIE
QIE_RFC_STATUS_INFO_EXT_INSP	Notify status of inspection lot	QM-IM	CA-QIE
/SPE/INSP_MAINTAIN_MULTIPLE	Sends Inspection result of a return item to ERP for distribution to CRM	SCM-EWM-QM-RP	LO-SPM-RET
QPLEXT_RFC_INSP_LOT_CREATE	Create inspection lot in ERP	CA-QIE	QM-IM-IL
QPLEXT_RFC_INSP_LOT_CHANGE	Change inspection lot in ERP	CA-QIE	QM-IM-IL
QPLEXT_RFC_INSP_LOT_CANCEL	Cancel inspection lot in ERP	CA-QIE	QM-IM-IL
/SPE/GOODSMVT_CREATE	This message creates goods movement documents in ERP. Only valid for goods movements without ERP delivery.	SCM-EWM-IF-ERP	LO-SPM-STO
/SPE/PO_CREATE	Create a STO in ERP	SCM-EWM-QM	LO-SPM-STO
/SCWM/IDOC_OUTPUT_GOODSMVT_CR	Goods Movement Create	SCM-EWM-IF-ERP	
/SCWM/OALE_PACKSPEC_REPLICATE	Replicate packspec header	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/API_PACKSPEC_REPLICATE	Receiving replicated packspec header	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS

| Message | Semantics | Application Components | |
		Sender	Recipient
/SCWM/OALE_ELEMGROUP_REPLICATE	Replicate packspec element group	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/API_ELEMGROUP_REPLICATE	Receiving replicated packspec element group	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/OALE_WORKSTEP_REPLICATE	Replicate packspec workstep	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/API_WORKSTEP_REPLICATE	Receiving replicated packspec workstep	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/OALE_CONDITION_REPLICATE	Replicate packspec condition record	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/API_CONDITION_REPLICATE	Receiving replicated packspec condition record	SCMB-BAS-PAK-PS	SCMB-BAS-PAK-PS
/SCWM/GTS_CBLOCK_RELEASE	Release customs-blocked stock. Creates a stock transfer document from customs-blocked stock to normal stock	SLL-LEG	SCM-EWM-IF-GTS
/SCWM/WMSUID01	Move handling unit	SCM-EWM-IF-WCU	
/SCWM/WMTCID01	Confirm warehouse task	SCM-EWM-IF-WCU	
/SCWM/WMBIID01	Block storage bins	SCM-EWM-IF-WCU	
/SCWM/WMRRID01	Release wave	SCM-EWM-IF-WCU	
TMSHP1	Send/receive shipment to/from an external planning system	SCM-EWM-TM	SCM-EWM-TM
TMFRD2	Send/receive a freight document to/from an external planning system	SCM-EWM-TM	SCM-EWM-TM
SHPMNT06	Send/receive shipment to/from ERP	SCM-EWM-IF_ERP	LE-TRA_IN
TPSSHT01	Send deletion of shipment to ERP	SCM-EWM-IF_ERP	LE-TRA_IN
/SCWM/WMCAID01	Cancellation / cancellation request of WO	SCM-EWM-IF-WCU	
/SCWM/WMPHID01	Create and distribute Pick-HUs	SCM-EWM-IF-WCU	
/SCWM/WMTOID01	Create warehouse task	SCM-EWM-IF-WCU	
/SCWM/MFS_SEND	Send telegram to PLC	SCM-EWM-MFS	
/SCWM/MFS_RECEIVE2	Receive telegram from PLC	SCM-EWM-MFS	

A.1.4.2 Queues of External Messages

Message	Queue Name
/SCWM/INB_DELIVERY_REPLACE	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SCWM/INB_DLV_SAVEREPLICA	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SCWM/INB_PO	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SCWM/OBDLV_CHNG_QUAN_MUL	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SCWM/OUTB_DLV_CHANGE	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SCWM/OUTB_DLV_SAVEREPLICA	**DLVS\<logicalsystemERP>\<ClientERP> \<Number_of_originial_ERP_Delivery>**. For example **DLVSQ4LCLNT4000180010219**
/SPE/INB_DELIVERY_CONFIRM_DEC	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
/SPE/INB_DELIVERY_REPLACE	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
/SPE/INB_DELIVERY_SAVEREPLICA	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
/SPE/INB_DELIVERY_RESPONSE	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
/SPE/INB_DELIVERY_SPLIT	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
/SPE/INB_EGR_CREATE_PROD /SPE/INB_EGR_CREATE_POSA	N/A
/SPE/OUTB_DELIVERY_SAVEREPLICA	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
BAPI_OUTB_DELIVERY_CONFIRM_DEC	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
BAPI_OUTB_DELIVERY_REJECT	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
BAPI_OUTB_DELIVERY_SPLIT_DEC	**DLWS\<logicalsystemEWM>\<ClientEWM>**. For example **DLWSA3PCLNT0010180010317**
CIFMAT, CFP1, CFM2/3	**CFMAT\<matnr>**, **CFLD\<src.logsys>\<number>\<counter>**

Message	Queue Name
BAPI_BATCH_SAVE_REPLICA	**WMCC\<batchno>\<productno>**
/SCWM/QFU_BY_EXTERNAL	**DLVS\<logical_system>\<delivery_number>** For example **DLVSQ4LCLNT4000084001775**
QIE_RFC_CONF_CANCEL_EXT_INSP	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QIE_RFC_CONF_CHANGE_EXT_INSP	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QIE_RFC_CONF_EXT_INSP	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QIE_RFC_NOTIFY_RES_EXT_INSP	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QIE_RFC_STATUS_INFO_EXT_INSP	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
/SPE/INSP_MAINTAIN_MULTIPLE	**DLWS\<logical_system>\<delivery_number>** For example **DLWSQ4LCLNT4000084001775**
QPLEXT_RFC_INSP_LOT_CREATE	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QPLEXT_RFC_INSP_LOT_CHANGE	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
QPLEXT_RFC_INSP_LOT_CANCEL	**QI\<logical system>\<inspection_document_number>** For example **QIQ1PCLNT401000000112127**
/SPE/GOODSMVT_CREATE	**EWMGOODSMVT** or **\<delivery_queue>** (For example ROD-AFS)
/SPE/PO_CREATE	**EWMSQPO\<purchase order external ID>** For example **EWMSQPO4500000028**
/SCWM/IDOC_OUTPUT_GOODSMVT_CR	N/A
/SCWM/OALE_PACKSPEC_REPLICATE	**PSID\<PSID>**
/SCWM/API_PACKSPEC_REPLICATE	**PSID\<PSID>**
/SCWM/OALE_ELEMGROUP_REPLICATE	**PSEG\<PSEG>**
/SCWM/API_ELEMGROUP_REPLICATE	**PSEG\<PSEG>**
/SCWM/OALE_WORKSTEP_REPLICATE	**PSWS\<PSWS>**
/SCWM/API_WORKSTEP_REPLICATE	**PSWS\<PSWS>**
/SCWM/OALE_CONDITION_REPLICATE	**PSID\<PSID>**
/SCWM/API_CONDITION_REPLICATE	**PSID\<PSID>**
/SCWM/GTS_CBLOCK_RELEASE	N/A
/SCWM/WMSUID01	N/A
/SCWM/WMTCID01	N/A

Message	Queue Name
/SCWM/WMBIID01	N/A
/SCWM/WMRRID01	N/A
TMSHP1	N/A
TMFRD2	N/A
/SCWM/WMCAID01	N/A
/SCWM/WMPHID01	N/A
/SCWM/WMTOID01	N/A
/SCWM/MFS_SEND	N/A
/SCWM/MFS_RECEIVE2	N/A
SHPMNT06	N/A
TPSSHT01	N/A

A.1.4.3 Internal Messages

EWM Component	Queue Name	Semantics	Monitoring Transaction
IDP + ODP	WMD<DOCCAT><DOCCNO>	Warehouse request confirmation	SMQ2
IDP + ODP	WMDL<DOCCAT><DOCCNO>	Warehouse request confirmation using persistant locks	SMQ2
SLP	TU_DLV_<GUID>	TU update after change to delivery	SMQ1
SLP	WMSTL<TRANSMEANS_ID>	Create TU/vehicle via DLV PFF	SMQ1
SLP	WMDI-<LOGSYSOWNSRACT_NUM>	Invoice Before Goods Issue (Delivery)	SMQ1
SLP	WMSI-<LOGSYSOWNSRACT_NUM>	Invoice Before Goods Issue (Shipping)	SMQ1
WLP	EWMWV_<LGNUM><WAVE>	Update of the wave item after delivery	SMQ2
IDP	DLV_PP_LOOP_<LOOP_COUNTER>	Update of the priority points in inbound deliveries	SMQ2
WLP	WMTR_<WT_NUMBER>	Follow-up of HU warehouse task creation for resources	SMQ2
WLP	WMTP_<WT_NUMBER>	Follow-up of product warehouse task creation for process-oriented storage control	SMQ2
WLP	WMTH<HUIDENT>	Follow-up of product warehouse task creation for process-oriented storage control	SMQ2

EWM Component	Queue Name	Semantics	Monitoring Transaction
WLP	EWMV<LGNUM><VAS_ID>	Asynchronous update of the VAS order for a changed delivery item and for the synchronous update of a locked VAS order	SMQ2
WLP	WMDP<DOCCAT><DOCNO>	WT creation for delivery	SMQ2
WLP	WMDP<DOCCAT><DOCNO>	GR posting via PPF action	SMQ2
MD	WMBB	Update of the BW relevant data of bins used when executing program /SCWM/R_BW_COLLECTIVE_RUN	SMQ1
IDP + OOP	WMDB	Update of the BW relevant data of delivery items used when executing program /SCWM/R_BW_COLLECTIVE_RUN	SMQ1
WLP	WMTB	Update of the BW relevant data of warehouse tasks used when executing program /SCWM/R_BW_COLLECTIVE_RUN	SMQ1
WLP	WMOB	Update of the BW relevant data of warehouse orders used when executing program /SCWM/R_BW_COLLECTIVE_RUN	SMQ1
WLP	WMVB	Update of the BW relevant data of value added services used when executing program /SCWM/R_BW_COLLECTIVE_RUN	SMQ1
WLP	WMTM<LGNUM><PLC>	Determine the next warehouse task for sending to the MFS	SMQ2
IDP	DLVSREACTIVATE<DOCNO>	Reactivate inbound delivery with cross Hus in case of locking issue	SMQ2
WLP	EWMKTS<LGNUM><DOCNO>	Creation of VAS for Kit to stock in case of locking issue of corresponding deliveries	SMQ2
TM	<DOCNO>	Update from FOM to FD	SMQ1
TM	<DOCNO>	Update from FOM to ODO	SMQ1
IDP	UL<LGNUM><RSRC>	Update inbound delivery asynchronously	SMQ1
WLP	WMTU<HUIDENT>	Unpacking of HU after WT confirmation	SMQ2
ODP	WMOD<LGNUM><WHO>	Trigger goods issue for production supply with outbound delivery	SMQ2

EWM Component	Queue Name	Semantics	Monitoring Transaction
MDM	WMMB<BATCHNO><MATNR>	Update stock attributes with changed batch attributes	SMQ2
WLP	WMHU<HUIDENT>	Clear up HUs with unidentified content	SMQ2
SM	WMIP<DOCNO>	Post inventory differences in case of lost/found HUs	SMQ2
SLP	WMSA<LOGSYS><DOCNO>	Create/update TU from DAS by DAS docno	SMQ2
SLP	WMaA<LOGSYS><DOCNO>	Update DAS from TU by DAS docno	SMQ2

Documentation in the SAP Service Marketplace

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