webMethods

webMethods Oracle Applications Adapter

11.5.9 Predefined Transaction Services User's Guide

VERSION 6.0

Contents

About This Guide

This guide describes the predefined transaction services for Oracle Applications 11.5.9 that are available for use with the webMethods Oracle Applications Adapter. This guide provides a general overview of these services, and instructions for using the services. This information is for application developers who implement integrations between webMethods and Oracle Applications.

To use this guide effectively, you should:

■ Be familiar with the operation of the desired Oracle Applications and the definition and use of the Oracle Applications Adapter.

■ Understand the basic concepts described in the *webMethods Administrator's Guide* and the *webMethods Developer User's Guide*.

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Italic	Identifies variable information that you must supply or change based on your specific situation or environment. Identifies terms the first time they are defined in text. Also identifies service input and output variables.
Narrow font	Identifies storage locations for services on the webMethods Integration Server using the convention *folder.subfolder:service*.
Typewriter font	Identifies characters and values that you must type exactly or messages that the system displays on the console.
UPPERCASE	Identifies keyboard keys. Keys that you must press simultaneously are joined with the "+" symbol.
\	Directory paths use the "\" directory delimiter unless the subject is UNIX-specific.
[ ]	Optional keywords or values are enclosed in [ ]. Do not type the [ ] symbols in your own code.

Additional Information

The webMethods Advantage Web site at http://advantage.webmethods.com provides you with important sources of information about the webMethods Integration Server:

■ **Troubleshooting Information**. webMethods provides troubleshooting information for many webMethods components in the webMethods Knowledge Base.

■ **Documentation Feedback**. To provide documentation feedback to webMethods, go to the Documentation Feedback Form on the webMethods Bookshelf.

■ **Additional Documentation**. All webMethods documentation is available on the webMethods Bookshelf.

Predefined Transaction Services

Overview

Predefined transaction services are complete, ready-to-use flow services that can be used with the webMethods Oracle Applications Adapter to simplify the process of integrating with Oracle Applications systems. After installing the services and defining your Oracle Applications system connection information, the services are ready for use.

There are three types of predefined transaction services used to communicate between the webMethods Integration Server (IS) and Oracle Applications: Receive services, Query services, and Send services.

The Receive predefined transaction services enable Oracle Applications to receive data from the IS. These services provide the following:

■ Required inputs and outputs for the services

■ Mapping and transformation between business documents and Oracle Applications

■ Supporting services that perform the data insertion, import (concurrent) process execution, and error handling

The Query and Send predefined transaction services enable you to query or send data from Oracle Applications to the IS. These services provide the following:

■ Required inputs and outputs for the services

■ Combination of database triggers and polling services that provide notification capabilities from Oracle Applications to IS

■ Supporting services to lock and unlock the webMethods process table, and to perform data selection from Oracle Applications to the IS and the processing acknowledgement from the IS back to Oracle Applications

The following diagram shows in more detail how the Oracle Applications Adapter works with predefined transaction services.
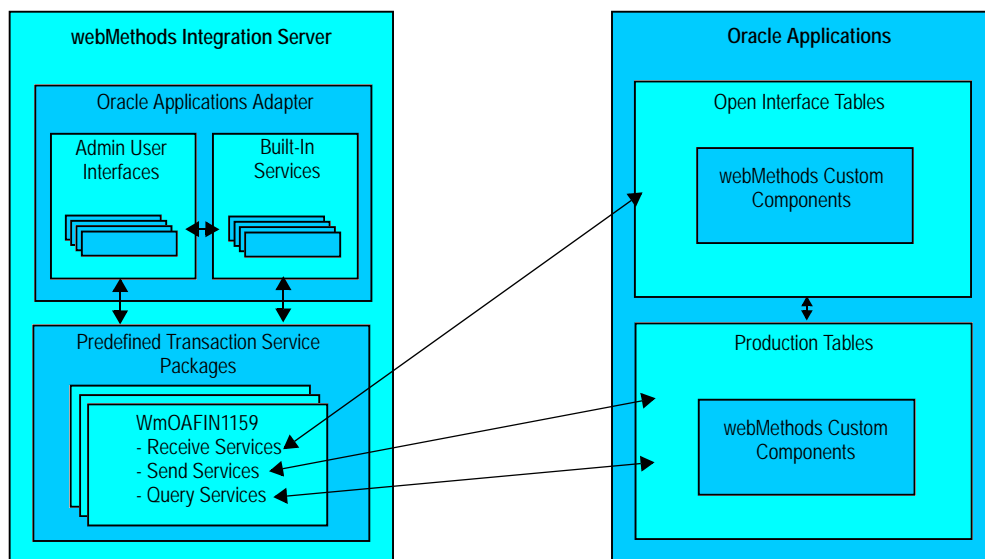
■ **Oracle Applications Adapter**. The adapter is delivered in a package named WmOAAdapter. The WmOAAdapter package includes:

  ■ Administrative user interfaces to configure and manage different adapter connections. Using these interfaces you can:

    ■ Configure the login parameters that the Oracle Applications Adapter uses to establish a client connection with one or more Oracle Applications.

    ■ Schedule the notification.

    ■ Built-in services that provide the basic means to interact with Oracle Applications.

  The built-in services perform activities such as inserting and updating data, and managing database connections. The predefined transaction services wrap the built-in functions and make them accessible to the webMethods Integration Server.

■ **Predefined Transaction Service Packages**. The predefined transaction services are delivered in separate packages. Each package contains a set of services for a particular Oracle Applications module and version of Oracle Applications. These packages contain the following types of predefined transaction services:

  ■ Receive services, which deliver data to the Oracle Applications open interface tables for insertion into the production tables.

- ■ Query services, which query the Oracle Applications production tables and return business documents that match the query criteria.

- ■ Send services, which return business documents to the Integration Server according to polling intervals. Send services rely on custom webMethods components such as triggers and custom tables to capture business events on the Oracle Applications production tables, and then send the business documents to the Integration Server.

■ **Open Interface Tables and Production Tables**. The predefined transaction services interact with the Oracle Applications open interface tables and production tables to send or receive business documents. Receive, send, and query services interact with these tables differently.

■ **webMethods Custom Components**. The predefined transaction services use a combination of triggers, stored procedures, custom tables, views, and sequences (depending on the type of service) to interact with the Oracle Applications open interface tables and production tables.

This chapter describes the predefined transaction services, including how they are packaged, and how you use them to receive data into, or send data from, Oracle Applications systems.

The information in this chapter is intended to help you understand the basic design and functionality of any of the predefined transaction services. After you read this chapter, you can use the information provided in the other chapters of this guide to implement any of the predefined transaction services.

Predefined Transaction Service Packages

The predefined transaction services for Oracle Applications 11.5.9 are provided in six packages. The packages correspond to Oracle Applications modules, such as Financials and Manufacturing. You can choose which packages you want to install at the time of installation. The following table lists the packages, and shows you where to find detailed information about the services provided in those packages.

Package	See ...	On Page ...
Financials	Chapter 2, "Financial Predefined Transaction Services"	53
Human Resources	Chapter 3, "Human Resource Predefined Transaction Services"	239
Manufacturing	Chapter 4, "Manufacturing Predefined Transaction Services"	249
Order Management	Chapter 5, "Order Management Predefined Transaction Services"	441

Package	See ...	On Page ...
Procurement	Chapter 6, "Procurement Predefined Transaction Services"	545
Project	Chapter 7, "Project Predefined Transaction Services"	653

Service Types

There are three types of predefined transaction services that enable you to build integrations between Oracle Applications systems and the webMethods Integration Server. The following table briefly describes the types of services and directs you to the sections of this chapter that describe each type of service in more detail.

Service Type	Description	See page ...
Receive	Receive services enable Oracle Applications systems to receive and insert data from the webMethods Integration Server.	36
Query	Query services enable the webMethods Integration Server to query an Oracle Applications system and retrieve data based on the query conditions.	40
Send	Send services enable you to notify the webMethods Integration Server of specific events that occur in your Oracle Applications system, and then send data related to the events to trading partners or other enterprise systems.	42

Packaging Structure

This section describes the transaction service packages as they appear in webMethods Developer.

This diagram illustrates the package structure for the predefined transaction services:

Labels in diagram:
- WmOAFIN1159 — Predefined transaction service package
- cashManagement1159 / fixedAssets1159 — Oracle Applications module folders
- fromOA / intoOA — Transaction service type folders
- GLBudget — Business document folder
- bizDocMapping, getJournalImport_ERR, setJournalTxn — Supporting services and documents
- receiveJournal — Predefined transaction service
- setJournalTxn (upgrade) — Original flow service calls into the adapter service

■ **Predefined Transaction Service Packages**. The predefined transaction services are provided in the form of packages. Each package represents a group of Oracle Applications modules.

The adapter provides the following packages:

Package	Abbreviation	Oracle Applications Product
WmOAFIN1159	FIN	Financials
WmOAHR1159	HR	Human Resources
WmOAMFG1159	MFG	Manufacturing
WmOAOMG1159	OMG	Order Management
WmOAPRC1159	PRC	Procurement
WmOAPRJ1159	PRJ	Project
WmOACommon1159	Common	None. This package accompanies any of the other installed packages. It includes services such as lockTxnCtrl that other packages use and that you can view in the webMethods Developer.

■ **Oracle Applications module folders**. Each package contains one or more folders that correspond to Oracle Applications modules. For example, the WmOAFIN1159 package contains folders for the following modules: Cash Management, Fixed Assets, General Ledger, Payables, and Receivables.

■ **Transaction service type folders**. The Oracle Applications module folders contain the three types of predefined transaction services (if applicable) within the package, as follows:

Folder	Service Type
intoOA	Receive Service
fromOA	Send Service
queryOA	Query Service

■ **Business document folder**. The transaction service type folders contain folders that correspond to business documents for the Oracle Applications module. There is a sub-folder for each business document in the Oracle Applications module that is supported by the Oracle Applications Adapter. For example, in the General Ledger module of the WmOAFIN1159 package, the queryOA folder contains two business document folders: GLBalance and journal.

The business document folders contain the predefined transaction services and other supporting services and documents.

■ **Predefined transaction service**. The services located within the business document folders are the main predefined transaction services. These are the services you implement to create integrations with Oracle Applications systems.

The services follow the naming convention *typeDoc*, where *type* is type of service (receive, query, or send) and *Doc* is the name of the business document.

■ **Supporting services and documents**. Each business document folder contains supporting services and documents that are used internally by the main predefined transaction services. The specific documents and supporting services vary depending on the type of service, as described in the sections below.

The information provided in these sections is a high-level description of the types of supporting services and documents that are used by the different types of predefined transaction services. For more specific details about a specific service, see the section for that service in the appropriate chapter of this guide.

In the following descriptions, *Doc* represents the actual name of the business document that the service implements. You can customize the services in the custom folder if the default settings do not meet your needs.

■ **intoOA folders** are structured as follows:

Folder	Supporting documents or services
custom	bizDocMapping This service maps the high-level business document structure to the open interface table structure. get*Doc*Import_ERR This service retrieves processing errors related to the import process (if applicable). set*Doc*Txn This service inserts the data from the business document into the open interface tables.

Folder	Supporting documents or services
rec	*Doc*BizDoc This document defines the high-level business document structure. set*Doc*TxnInputRec This document defines the low-level document structure, which is a direct reflection of the corresponding open interface tables.
utils	The contents of this folder varies for each predefined transaction service. For example: import*Doc* Runs the services listed below. exec*Doc*ConcProg Runs the Oracle Applications concurrent processing for the business document. check*Doc*ImportStatus Checks the status of the concurrent processing. If it detects errors, it calls get*Doc*Import_ERR.

For information about the functionality of the receive services, see .

■ queryOA folders are structured as follows:

Folder	Supporting documents or services
custom	query*Doc*Txn This service retrieves data based on the query conditions.
rec	query*Doc*TxnOutputRec This document type contains the data structure retrieved by the query*Doc*Txn service.

For information about the functionality of the query services, see .

- **sendOA folders** are structured as follows:

Folder	Supporting documents or services
custom	get*Doc*Txn This service polls for events in the Oracle Applications system. processBizDoc This service defines how the service delivers the data to the final destination. You must customize this service to define where the data is delivered; otherwise, the service will not deliver any documents, and the events will be removed from the WM_TRACKCHANGES table.
rec	get*Doc*TxnOutputRec This document type contains the data structure retrieved by the get*Doc*Txn service.

For information about the functionality of the send services, see "Overview of Send Service Transaction Processing" on page 43.

Transaction Definitions

Transaction definitions define the processing that the predefined transaction services perform. Some of the supporting services within the predefined transaction services have been configured from transaction definitions.

If you are using the predefined transaction services as they were supplied, you do not need to do anything with the transaction definitions. However, if you want to customize any of the transaction definitions that are used within the supporting services, or if you want to create new transaction definitions, you can do so using the Adapters menu in the Integration Server Administrator. See "Updating Transaction Definitions" on page 30 for more information.

See the *webMethods Oracle Applications Adapter User's Guide* for more information about transaction definitions, including instructions for updating them and using them to configure services.

Updating Transaction Definitions

You can modify the transaction definitions delivered with the predefined transaction services. For example, you might want to customize a transaction definition for a receive service to optimize its performance if you do not need to take advantage of all of the processing the service performs, or if the service delivers more business document fields than you need.

Important! The predefined transaction services were tested to guarantee they function properly as delivered. If you modify any supporting transaction definitions, you will also need to modify other components within the predefined transaction service to match the changes to the transaction definitions. After you modify the service, you will need to thoroughly test it. We cannot guarantee that any services you modify will work properly.

The transaction definitions are provided as .txp files, and are installed into the WmOA*XXXnnnn*\exchange directories, where WmOA*XXXnnnn* is the name of the package containing the predefined transaction services.

To see a list of the transaction definition files that were used to configure supporting services within a predefined transaction service, see the Supporting Transaction Definitions section for the specific service in this guide.

Note: Corresponding .txp files are also copied to the *IntegrationServer_Directory*\packages\WmOAAdapter\exchange directory by the webMethods Installer. All .txp files in the \exchange directory will be automatically imported into the repository when the Integration Server starts or is restarted. The .txp files are moved to the *IntegrationServer_Directory*\packages\WmOAAdapter\ImportedFiles directory after they are successfully imported.

After you import the transaction definition files, you can use the Adapters menu in the Administrator to modify them. The procedures for importing and editing transaction definitions are not described in this guide. See the chapter on transaction definitions in the *webMethods Oracle Applications Adapter User's Guide* for instructions.

Note: If you import transaction definitions after enabling the corresponding predefined transaction service package, you need to reload the predefined transaction service package so that the imported transaction definitions are visible.

Database Scripts

Database scripts are provided for each of its predefined transaction services. You use these database scripts to manage the triggers, views, and stored procedures that are used by the predefined transaction services.

The database scripts are located in the WmOA*XXXnnnn*\dbscripts directories, where WmOA*XXXnnnn* is the name of the package containing the predefined transaction services.

Each type of predefined transaction service has a set of database scripts, as described in the following sections.

Core Database Scripts

The predefined transaction services use a set of core components that you must install and manage on the Oracle Applications system to use any of the predefined transaction services.

The database scripts for these core components are located in the WmOACommon1159\dbscripts directory.

Database Script File	Description
wm_install_core.sql	Use this script to install the core components of the predefined transaction services. You must install these components to use any of the predefined transaction services.
wm_drop_core.sql	Use this script to uninstall the core components of the predefined transaction services from the Oracle Applications system.

Database Scripts for Receive Services

Each receive service provides the following database scripts:

Database Script File	Description
wm_install_into_*Doc*.sql	Use this script to install the Oracle Applications-related components of the service (such as triggers, views, and stored procedures) onto the Oracle Applications system.
wm_drop_into_*Doc*.sql	Use this script to uninstall all components of the service from the Oracle Applications system.

Each service might also have supporting database scripts. You do not have to run these scripts directly; they are initiated from the database scripts listed above.

Database Scripts for Query and Send Services

Query and send services that operate on the same business object share the following database scripts.

Database Script File	Description
wm_install_from_*Doc*.sql	Use this script to install all components of the service onto the Oracle Applications system.
wm_drop_from_*Doc*.sql	Use this script to uninstall all components of the service from the Oracle Applications system.
wm_enable_from_*Doc*.sql	Use this script to enable all triggers associated with the service. Use this script if you have disabled the triggers. By default, triggers are enabled when you install them.
wm_disable_from_*Doc*.sql	Use this script to disable all triggers associated with the service. Use this script if you are using the query service but not its associated send service.
	If you do not disable triggers for send services that you are not using, the custom tables will continue to grow in your Oracle Applications system, consuming resources.

Each service might also have supporting database scripts. You do not have to run these scripts directly; they are initiated from the database scripts listed above.

Installing Components for Predefined Transaction Services on the Oracle Applications Database

According to the Oracle Applications customization standards, you should create views, triggers, and packages under APPS schema. Tables, indexes, and sequences should be created under a custom user schema, and private synonyms for these tables and sequences should be created under the APPS schema.

Typically each schema should have a corresponding data tablespace and index tablespace. You can use any tablespace name for where you intend to store the tables (for example, WM_TRACKCHANGES) and indexes (if there are any).

Before running the database scripts, create a custom user and a corresponding data tablespace and index tablespace. We suggest a user name of WEBM, a data tablespace name of WEBMD, and an index tablespace name of WEBMI. However, you can also use an existing data tablespace and index tablespace.

Whenever you execute database scripts to install objects in the database, you are prompted to supply an APPS username/password, a custom user username/password, custom tablespaces (for data and index), and a connection string.

Note that the custom user schema and APPS schema should be different.

The required grants and synonyms are already incorporated in the database scripts.

To install the Oracle Applications components of the predefined transaction services

1   Change your default directory to the *IntegrationServer_Directory*\packages\WmOA*XXX*1159\dbscripts directory, where WmOA*XXX*1159 is the name of the Oracle Applications package containing the service for which you want to run database scripts.

2   Log in to SQL*Plus. You can use any login.

3   From SQL*Plus, run the installation scripts. When prompted, supply the APPS username/password, a Custom username/password, custom tablespaces (for data and index), and a connection string:

   a   Install the core components for the 11.5.9 predefined transaction services by running the following script:

   ```
   @wm_install_core.sql
   ```

   b   Run the database script for each of the predefined transaction services you are using. For the name of a predefined transaction service's installation script, see the section called Database Scripts for the specific service in the remaining chapters in this guide.

4   Exit SQL*Plus.

Removing Components for Predefined Transaction Services from the Oracle Applications Database

To remove the predefined transaction service components from the Oracle Applications database

1   Change your default directory to the *IntegrationServer_Directory*\packages\WmOA*XXX*1159\dbscripts directory, where WmOA*XXX*1159 is the name of the Oracle Applications package containing the service for which you want to run database scripts.

2   Log in to SQL*Plus. You can use any login.

3   From SQL*Plus, run the uninstall scripts. When prompted, supply the APPS username/password, a Custom username/password, custom tablespaces (for data and index), and a connection string:

a   Uninstall the core components for the 11.5.9 predefined transaction services by running the following script:

```
@wm_drop_core.sql
```

b   Run the uninstall database script for each of the predefined transaction services you are using. For the name of a predefined transaction service's uninstall script, see the section called Database Scripts for the specific service in the remaining chapters in this guide.

4   When the uninstallation is complete, you will see a message indicating the completion of the uninstallation.

5   Exit SQL*Plus.

Business Documents

Each predefined transaction service is based on an Oracle Applications business object. Each service provides a business document structure that is based on the service's associated business object. The sections in this guide that describe the individual predefined transaction services include descriptions of the services' business document structures, and mappings to webMethods documents (if applicable).

For receive services, the business document structure includes a mapping from a webMethods document to the structure of the service's business object as it is defined in the Oracle Applications open interface tables. If you want to change the mapping for a receive service, you can modify the structure of the webMethods document by updating the receive service's supporting bizDocMapping service; however, you cannot modify the structure of the side of the mapping that represents the Oracle Applications open interface tables. If you do modify the open interface table document structure, the service will no longer correctly map to Oracle Applications.

For send and query services, the business document structure represents the form of the document as it is retrieved from Oracle Applications. If you want to modify the business document structure for a send or query service, you must change the transaction definition for the service's supporting get*Doc*Txn or query*Doc*Txn service, refresh that service for the modified transaction definition, and then update the send or query service to reflect the change in the business document's structure.

Important! Query and send services are fully tested using the services' default business document structure. If you modify the business document structure for a service, you will need to test the service.

Receive Services

Receive services insert data from the IS into Oracle Applications systems by mapping business documents into Oracle Applications open interface tables, and then invoking Oracle Applications concurrent processing to import the data from the open interface tables to production tables.

You can configure receive services to submit the data to the Oracle Applications production tables automatically, or you can configure them so that they must be submitted manually. If you configure the receive service to submit data automatically, it queries the Oracle Applications system to determine whether there were any errors that occurred during the import process.

Overview of Receive Service Transaction Processing

Receive services insert data into Oracle Applications production tables by calling the following services, where *Doc* is the name of the business document:

Step	Description
1	**Specify Default Settings**: Receive services use a set of high-level settings to define how the services will execute. The default settings should be adequate for most cases. However, you can modify the default settings if necessary, as follows:
	■ In the specifyDefaultSettings MAP step, the autoMode parameter defines whether the receive service automatically submits the business document data to the Oracle Applications production tables using Oracle Applications concurrent processing, or whether you must submit the data manually.
	A value of TRUE indicates that the data will be submitted automatically. If you choose this setting, the import*Doc* service calls the exec*Doc*ConcProg service to execute concurrent programs and return any errors, if applicable. This setting is the default.
	A value of FALSE indicates that you must submit the data manually using Oracle Applications concurrent processing. You can either execute the concurrent program from the Oracle Applications Standard Request Submission (SRS) window, or you can schedule it using a scheduling program.
	■ In the specifyConcProgParams MAP step you can define settings for the Oracle Applications concurrent processing execution, if applicable. By default, the concurrent processing parameters are configured for the Oracle Applications demo database. Refer to your Oracle Applications documentation for information about concurrent processing options for specific business objects. To see the parameters that are defined for a specific service, review the flow service.
	Note: In version 3.0 of the adapter, the $dbAlias parameter in the specifyDefaultSettings MAP step could be modified to specify the connection the service will use. In version 6.0 of the adapter, that is no longer true. The $dbAlias parameter is still available however it is no longer used to control a service's connection and cannot be modified.
2	**bizDocMapping Service**: The bizDocMapping service maps the business documents, which are formatted in a logical structure for use within the Integration Server, to the structure of the Oracle Applications open interface tables.
	The bizDocMapping service uses the *Doc*BizDoc document (which is formatted in the logical layout of the business document) as its input. The bizDocMapping service also uses data transformation services to convert data to the structure of the Oracle Applications open interface tables.

Step	Description
3	set*Doc*Txn Service: The set*Doc*Txn service inserts the mapped data into the Oracle Applications open interface tables.
	The set*Doc*TxnInputRec document contains the flat table structure that reflects the Oracle Applications open interface table structure. The set*Doc*TxnInputRec document is the output from the bizDocMapping service and the input to set*Doc*Txn.
4	import*Doc* Service: If the service is set to automatically execute concurrent processing (see step 1 above), the import*Doc* service calls the exec*Doc*ConcProg service to insert the data from the Oracle Applications open interface table into the Oracle Applications production tables. Additionally, the import*Doc* service calls the get*Doc*Import_ERR service to report any data that could not be imported into an Oracle Applications production table because it contained invalid business data.

Using Receive Services

Before you can use a receive service you must first:

1   Install the package containing the service you want to use. See the *webMethods Oracle Applications Adapter 11.5.9 Predefined Transaction Services Installation Guide* for instructions.

2   Make sure you have installed the database scripts for the receive service, if applicable. See "Database Scripts" on page 31 for more information.

3   Before you can use any predefined transaction services you must reconfigure the default Oracle Applications Adapter connection parameters to point to your Oracle Applications system. All predefined transaction services for Oracle Applications 11.5.9 use a connection named OracleAppsDB1159. For instructions about editing connections, see the chapter on adapter connections in the *webMethods Oracle Applications Adapter User's Guide*.

4   Each receive service contains settings that define how the Oracle Applications concurrent processing will run for the service. The parameters for each service are based on the Oracle Applications demo database. If you do not want to use a service's default settings for concurrent processing, you can modify the settings in the service's specifyConcProgParams MAP step.

To locate receive services in the Developer, see "Packaging Structure" on page 26.

Optimizing Receive Services

You might want to modify a receive service to optimize the service's performance. This section lists some possible scenarios where you might want to update the service.

■ If you do not need a receive service to perform transformations, and you do not need the service to organize the input document into a hierarchical record structure, do the following:

   a   Remove the bizDocMap service from the receive service.

   b   Update the input signature of the receive service to use the set*Doc*TxnInputRec.

   c   Map the input to the input of set*Doc*Txn service within the receive service.

■ If you want to organize the input document in a hierarchical way, or if you want to use some of the transformers defined in the service, do the following:

   a   Create a custom input document record definition.

   b   Update the input signature of the receive service to match the custom record definition.

   c   Create a new bizDocMap service to transform the hierarchical document, as described in the custom input record definition, into flat table entries. This is a complex process requiring a lot of customization of the service; if you do this you must have a strong understanding of the Oracle Applications data schemas involved with the service.

■ If the base table columns are different (due to minor difference between versions of Oracle Applications):

   a   Modify the set*Doc*Txn transaction definition as necessary.

   b   Refresh the set*Doc*Txn service.

   c   Update the structure of the setDocTxnInputRec record definition to reflect changes to the set*Doc*Txn service.

   d   Update the structure of the *Doc*BizDoc record definition to reflect changes to the set*Doc*Txn service.

   e   Modify the bizDocMapping service to reflect the changes to the data columns.

Important! The predefined transaction services were tested to guarantee they function properly as delivered, with the specified Oracle Applications release. If you modify a predefined transaction service in a way other than as specified in this guide (for example, you need to configure the flow as described), we cannot support the service. You will need to thoroughly test any service that you have modified extensively as we cannot guarantee that it will work properly.

Query Services

Query services retrieve information from Oracle Applications systems by querying the Oracle Applications production tables. Query services execute SQL trees against the corresponding Oracle Applications production tables to find and retrieve business documents that match the search criteria. For more information about SQL trees, see the *webMethods Oracle Applications Adapter User's Guide*.

Query services return all business documents that match the query criteria you specify in the query. If you do not specify a selection criteria for a particular parameter, the query ignores that parameter when performing the query. For example, if you specify a query to retrieve POs based on a particular PO creator, within a specific date range, the query service returns all purchase orders that meet that criteria. Any parameters that are not specified in the search criteria are ignored as part of the query.

There is no maximum number of business documents that the query service returns. To limit the business documents that the service might return, we recommend that you provide more stringent query criteria.

Overview of Query Service Transaction Processing

Query services retrieve data from Oracle Applications production tables by calling the following services, where *Doc* is the name of the business document:

Step	Description
1	**Specify Default Settings**: By default, query services use an Oracle Applications Adapter connection named OracleAppsDB1159. Ensure that the default Oracle Applications Adapter connection parameters point to your Oracle Applications system.
	Note: In version 3.0 of the adapter, the $dbAlias parameter in the specifyDefaultSettings MAP step could be modified to specify the connection the service will use. In version 6.0 of the adapter, that is no longer true. The $dbAlias parameter is still available however it is no longer used to control a service's connection and cannot be modified.
2	**queryDocTxn Service**: The query*Doc*Txn service queries the Oracle Applications production tables and returns business objects that match the search criteria in the structure of the query*Doc*TxnOutputRec document type.

Using Query Services

Before you can use a query service you must first:

1   Install the package containing the service you want to use. See the *webMethods Oracle Applications Adapter 11.5.9 Predefined Transaction Services Installation Guide* for instructions.

2   Make sure you have installed the database scripts for the service.

If a query service has a corresponding send service, the query service uses the same database scripts as its corresponding send service. If you will not be using the query service's corresponding send service, you should disable all triggers associated with the send service. If you install triggers associated with a send service but do not use that service, the triggers will populate the WM_TRACKCHANGES table with records (according to the logic of the send service), and the records will never be removed from the table, causing the WM_TRACKCHANGES table to grow, consuming resources in your Oracle Applications system. You should disable triggers that are not being used by send services to avoid this problem.

See "Database Scripts" on page 31 for more information.

3   Before you can use any predefined transaction services you must reconfigure the default Oracle Applications Adapter connection parameters to point to your Oracle Applications system. All predefined transaction services for Oracle Applications 11.5.9 use a connection named OracleAppsDB1159. For instructions about editing connections, see the chapter on adapter connections in the *webMethods Oracle Applications Adapter User's Guide*.

To locate query services in the Developer, see "Packaging Structure" on page 26.

Send Services

Send services notify the webMethods Integration Server of changes in Oracle Applications systems when specific events occur in the Oracle Applications system, such as when data is inserted, updated, or deleted. Send services then deliver the data in the form of business documents.

Send services use a two-part process:

■ On the Oracle Applications system, custom triggers capture events that occur in the Oracle Applications production tables, and record those events in a custom table called WM_TRACKCHANGES. The custom table maintains the events as records until a send service polls the tables to retrieve the data. Each send service uses one or more custom triggers.

■ On the Integration Server side, send services poll the custom tables and the Oracle Applications production tables to retrieves business documents related to the events recorded in the custom tables, and then the send services send the documents to the designated recipients of the service.

Send services handle transactions differently depending on whether the event on the business document is an INSERT, UPDATE, or DELETE event, as follows:

■ **INSERT and UPDATE events**: Whenever a business object is inserted or updated in Oracle Applications, the service creates a snapshot of the business document in the Oracle Applications production tables at the instance the tables are polled, and sends it to the Integration Server.

■ **DELETE events**: Send services process delete events differently depending on how the business object is deleted in Oracle Applications. Business objects may be deleted from Oracle Applications in one of the following two ways:

   ■ Actions performed in the Oracle Applications system that result in a status update in the transaction header base table that indicates a "logical" delete of a business object are treated as if they had a status of UPDATE.

   ■ Actions performed in the Oracle Applications system that result in an actual DELETE of the record from the transaction header base table will result in the object being deleted. Business documents corresponding to this type of action will not be complete documents; they will only contain basic header-level information required to properly identify the business document to delete the business object.

The following sections describe how the custom tables work, and how the send services interact with the custom tables to retrieve data and send it to the webMethods Integration Server.

Overview of Send Service Transaction Processing

Before you can use a send service you must make sure the Oracle Applications Adapter's custom tables are installed, and you must install and enable the custom triggers for each send service you want to implement. The custom tables are installed with the core database scripts. See "Core Database Scripts" on page 32 for more information. For information about custom triggers, see "Database Scripts" on page 31. For information about custom tables, see "Custom Tables Used with Send Services" on page 48.

Custom triggers for the send service register changes to the Oracle Applications business objects in the WM_TRACKCHANGES custom table. For more information about how the triggers record these changes, see "WM_TRACKCHANGES Table" on page 48.

Send services process transactions as follows:

Step	Description
1	**Specify Default Settings:** Send services use a set of high-level settings to define how the services will execute. The default settings should be adequate for most cases. However, you can modify the default settings if necessary, as follows: ■ In the specifyDefaultSettings MAP step, the noOfRowsToFetch parameter defines the maximum number of business documents the service will retrieve per polling interval. By default this value is set at 100000. --- **Note:** In version 3.0 of the adapter, the $dbAlias parameter in the specifyDefaultSettings MAP step could be modified to specify the connection the service will use. In version 6.0 of the adapter, that is no longer true. The $dbAlias parameter is still available however it is no longer used to control a service's connection and cannot be modified.
2	**lockTxnCtrl Service:** The send service calls the lockTxnCtrl service, which queries the WM_CONTROL table for a specific TRANSACTION_TYPE to determine the polling status of the business document. ■ If the lockTxnCtrl service cannot lock the WM_CONTROL table, then the send service exits and waits for next scheduled interval. This action prevents send services from processing the same business documents for a specific TRANSACTION_TYPE multiple times if the service's polling interval is shorter than the time it takes to process the business document. ■ If the lockTxnCtrl service can lock the WM_CONTROL table, then the lockTxnCtrl service updates the polling status from READY to IN PROCESS. This action ensures that no other service can retrieve the same business document for the same TRANSACTION_TYPE. --- **Important!** If you test a send service by stepping through its supporting services in Developer and you exit after you run the lockTxnCtrl service to lock the WM_CONTROL table but before you run the unlockTxnCtrl service to unlock it, the send service will no longer be able to run successfully because the WM_CONTROL table will continue to be locked. To unlock the table manually, you can run the WmOACommon1159.commonOA1159.utils:unlockTxnCtrl service, providing the appropriate TRANSACTION_TYPE parameter. --- For more information, see "WM_CONTROL Table" on page 52.

Step	Description
3	**get*Doc*Txn Service**: The send service calls the get*Doc*Txn service. The get*Doc*Txn service uses the get*Doc*TxnOutputRec document to define the business document's logical structure. The get*Doc*Txn service also queries the WM_TRACKCHANGES table and the Oracle Applications production tables to create one or more business documents, as follows:

■ In the WM_TRACKCHANGES table, the get*Doc*Txn service finds the records representing the latest unprocessed events made to the business object. Unprocessed event records have a value of N in the PROCESSED_FLAG field.

Note: For some services, the business document must have a status of 'Approved' in Oracle Applications for the service to retrieve it, preventing the service from picking up business documents that are not completed and approved, such as an incomplete Purchase Order.

■ For each unprocessed business document in the WM_TRACKCHANGES table, the get*Doc*Txn service selects records based on the business object type (TRANSACTION_TYPE), groups the records by the specified business object (TRANSACTION_ID), and calculates the total TRANSACTION_STATUS for all records of a specific business object.

Note: The TRANSACTION_STATUS is a numeric field. Each record contains a value that corresponds to its status: 0 for UPDATE, 1 for INSERT, and 2 for DELETE. For more information about the WM_TRACKCHANGES table, see .

■ Based on the sum of the TRANSACTION_STATUS fields for all of the records in the WM_TRACKCHANGES table for the business object, the service processes the record as follows:

■ **0**: The service processes the record as an UPDATE event.

■ **1**: The service processes the record as an INSERT event.

■ **2**: The service processes the record as a DELETE event.

■ **3 or higher**: The service takes no action.

For a description of how the service processes INSERT and UPDATE events, see .

For a description of how the service processes DELETE events, see .

The service uses the WEB_TRANSACTION_ID to process the oldest records first.

Step	Description
3 Cont.	The service generates one or more business documents based on the results of the get*Doc*Txn service. Note: Polling services query the WM_TRACKCHANGES table and Oracle Applications production tables by executing SQL trees against them. For more information about SQL trees, see the *webMethods Oracle Applications Adapter User's Guide*.
4	processBizDoc Service: The send service calls the processBizDoc service to process the business document. By default, this service does not send the business document anywhere. You must modify this service to send the business document to the desired recipients. After the processBizDoc service processes the business document, it sets the transferStatus field of the docTransferResults document to SUCCESS or ERROR. By default, the transferStatus field for each business document is set to ERROR.
5	WM_TRACKCHANGES Table: The send service manages the records in the WM_TRACKCHANGES table as follows, depending on whether the service is configured to run in debug mode: ■ If the service is not running in debug mode (debugMode parameter = FALSE), then it deletes one or more records from WM_TRACKCHANGES table after it processes them. ■ If the service is running in debug mode (debugMode parameter = TRUE), then it keeps the records in the WM_TRACKCHANGES table and updates them to indicate that they have been processed. If a business document fails during transmission, the send service inserts a new record into the table for the failed record. The new record will have a TRANSACTION_STATUS that contains the sum of the TRANSACTION_STATUS fields for all of the related business object records for the business document that failed. You do not need to manually re-process a transaction that fails in the processBizDoc service because it will be processed again during the next scheduled execution of the service.
6	unlockTxnCtrl Service: The send service calls the unlockTxnCtrl service to unlock the WM_CONTROL table after the send service finishes processing.

Using Send Services

To use a send service, do the following:

1   Install the package containing the service you want to use. See the *webMethods Oracle Applications Adapter 11.5.9 Predefined Transaction Services Installation Guide* for instructions.

2   Ensure that all database scripts for the send service are installed. Also, all triggers associated with the send service must be enabled. By default they are enabled. For more information about database scripts, see "Database Scripts" on page 31.

3   Before you can use any predefined transaction services you must reconfigure the default Oracle Applications Adapter connection parameters to point to your Oracle Applications system. All predefined transaction services for Oracle Applications 11.5.9 use a connection named OracleAppsDB1159. For instructions about editing connections, see the chapter on adapter connections in the *webMethods Oracle Applications Adapter User's Guide*.

4   Specify the maximum number of business documents the service will retrieve per polling interval. By default this value is set at 100000. To modify this setting, update the value of the noOfRowsToFetch parameter in the send service's specifyDefaultSettings MAP step.

5   You can run any send service in debug mode by setting the debugMode parameter to TRUE. By default the send services run in debug mode. You should run your services with this option turned off because if you run the services in debug mode, the WM_TRACKCHANGES table will grow, consuming resources in your Oracle Applications system. For more information about running send services in debug mode, see "Using Send Services in Debug Mode" on page 48.

6   Customize the procBizDoc service to define how the send service processes and delivers the business document. Within this service you must be sure to provide a value of either SUCCESS or ERROR in the transferStatus output field of the docTransferResults document.

7   Schedule the service to run. To schedule the service you use the Integration Server's scheduler. For information about using the Integration Server's scheduler, see the chapter on managing services in the *webMethods Administrator's Guide*.

To locate send services in the Developer, see "Packaging Structure" on page 26.

Using Send Services in Debug Mode

Debug mode enables you to keep track of records that have been processed by send services so that you can review how the records were processed by the services. You configure each send service to run in debug mode independently of other send services.

When a service is running in debug mode, the WM_TRACKCHANGES table retains records after they are processed, marks their PROCESSED_FLAG field to Y, and adds a value to the DATE_PROCESSED field. This enables you to review records that have been processed by the service rather than having the service simply delete the processed records.

You configure a send service to use debug mode by setting the debugMode parameter in the specifyDefaultSettings MAP step to TRUE. By default, debugMode is set to FALSE.

Custom Tables Used with Send Services

All send services use two custom tables to process events in the Oracle Applications system that require data to be sent to the webMethods Integration Server: WM_TRACKCHANGES and WM_CONTROL.

The following sections describe these custom tables, how they are populated, and how they are used by send services to capture data and send it to the webMethods Integration Server.

WM_TRACKCHANGES Table

The WM_TRACKCHANGES table records INSERT, UPDATE, and DELETE events in the Oracle Applications production tables for business objects that you want to track. The recording of these events is done by triggers. Each send service depends on one or more triggers to track the events that you want to capture.

Each trigger inserts a new record in the WM_TRACKCHANGES table whenever an event occurs in an Oracle Applications production table that causes the trigger to fire.

Note: You must install and enable triggers on your Oracle Applications system for every send service you want to use. See "Database Scripts" on page 31 for more information about installing and enabling triggers.

Send services poll the WM_TRACKCHANGES table to determine whether they need to send business documents to the webMethods Integration Server.

This section lists the structure of the table, and describes how the table is populated.

Field	Description
TRANSACTION_TYPE	Type of business object being inserted, updated, or deleted. For example, VENDOR, PO, or INVOICE.
TRANSACTION_ID	Unique Oracle Applications identifier to identify the business object associated with the record. For example, for a Vendor business object this field is PO_VENDORS.PO_VENDOR_ID. For each record in the table associated with this business object, the value for this field will be the specific Vendor ID associated with the Vendor business document.
DATE_CREATED	Date the record was added to the table.
WEB_TRANSACTION_ID	Unique identifier for records in the table. This value is a unique sequence number within this table that determines the order in which the records were added to the table. This information is used to make sure the records are processed in sequence according to the sequence of events in Oracle Applications.
TRANSACTION_STATUS	Type of event occurring on the business object. Valid values include: ■ 0 = UPDATE ■ 1 = INSERT ■ 2 = DELETE When you add a record to a header table, it will have a status of 1 (for INSERT). When you add a record to any other table related to the new record, it will have a status of 0 (for UPDATE). The send services determine what action to take on the business documents according to the sum of the TRANSACTION_STATUS field for all related records. That is, the TRANSACTION_STATUS field for all related records are added together to determine what action the send service will take when it polls the WM_TRACKCHANGES table. For information about how the send services process the business documents based on the TRANSACTION_STATUS, see page 45.

Field	Description
COMMENTS	Comments describing the record. This value is provided by the trigger that adds the record to the table, or by the service that creates a new record if the business document transfer fails.
PROCESSED_FLAG	Indicates whether the record has been processed (Y), or not processed (N). The PROCESSED_FLAG defaults to N. If you are using a send service in debug mode, the service sets the value of this field to Y and retains the record in the table. If you are not running the service in debug mode, the service deletes the record after it is processed. See "Using Send Services in Debug Mode" on page 48 for more information about debugging send services.
DATE_PROCESSED	Date the polling service retrieved the record from the the table. If you are using a send service in debug mode, the service sets the value of this field to the date the record was processed in the database's date format; for example, 30-Jun-04. If you are not running the service in debug mode, the service deletes the record after it is processed. See "Using Send Services in Debug Mode" on page 48 for more information about debugging send services.

Example of How the WM_TRACKCHANGES Table is Populated

Suppose that a new Vendor with four Sites and five Contacts is added to Oracle Applications. That event causes the WM_TRACKCHANGES table to receive ten records: one for the Vendor, four for the Sites, and Five for the contacts. In this case, the parent record is Vendor and the child records are Site and Contact.

The following table shows how triggers insert the records into the WM_TRACKCHANGES table for this example. For all of the records in the example, the TRANSACTION_TYPE is VENDOR, the TRANSACTION_ID is 101, and the PROCESSED_FLAG is set to N. The other fields are as follows:

DATE_CHANGED	WEB_TRANSACTION _ID	TRANSACTION_STATUS	COMMENT
30-Jun-04	5001	1	Vendor inserted
30-Jun-04	5002	0	Site inserted
30-Jun-04	5003	0	Site inserted
30-Jun-04	5004	0	Contact inserted
30-Jun-04	5005	0	Contact inserted
30-Jun-04	5006	0	Contact inserted
30-Jun-04	5007	0	Site inserted
30-Jun-04	5008	0	Site inserted
30-Jun-04	5009	0	Contact inserted
30-Jun-04	5010	0	Contact inserted

Notice that in this example, the values for the Site and Contact records are assigned a status of 0. This is because these records are child records of the Vendor record. The parent record is treated as an INSERT event. The child records are treated as UPDATE events.

The table records the records like this so that the send service accurately creates a single business document for the parent business document and does not create separate business documents for the child records. The parent record will include the new child data in its business document.

WM_CONTROL Table

The WM_CONTROL table prevents a service from processing the same business document multiple times. This situation could occur if the polling interval for a particular transaction is shorter than the time it takes to execute the service, or if you are using the service in a clustered Integration Server environment.

If a service attempts to process a record and the WM_CONTROL table is locked, the service defers its execution until the next polling interval.

The fields in the table are as follows:

Field	Description
TRANSACTION_TYPE	Type of business object. For example, VENDOR, PO, or INVOICE.
STATUS	Indicates the status of the service's processing.Valid values are READY and IN PROCESS.

Financial Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Financial package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter presents the transactions in alphabetical order.

Oracle Applications Module	Predefined Transaction Services
Cash Management	■ "Receive Bank Statement Service" on page 103
Fixed Assets	■ "Receive FA Budget Service" on page 120 ■ "Receive Mass Additions Service" on page 131
General Ledger	■ "Query General Ledger Balance Service" on page 63 ■ "Query Journal Service" on page 67 ■ "Receive General Ledger Budget Service" on page 123 ■ "Receive Journal Service" on page 126 ■ "Send Journal Service" on page 215
Payables	■ "Query Accounts Payable Invoice Service" on page 57 ■ "Query Accounts Payable Payment Service" on page 58 ■ "Query Vendor Services" on page 68 ■ "Receive Accounts Payable Invoice Service" on page 70 ■ "Send Accounts Payable Invoice Service" on page 138 ■ "Send Accounts Payable Payment Service" on page 149 ■ "Send Vendor Service" on page 220

Oracle Applications Module	Predefined Transaction Services
Receivables	■ "Query Accounts Receivable Transaction Service" on page 60 ■ "Query Customer Service" on page 61 ■ "Receive Auto Invoice Service" on page 78 ■ "Receive Customer Service" on page 107 ■ "Send Accounts Receivable Transactions Service" on page 160 ■ "Send Customer Service" on page 190

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Query Accounts Payable Invoice Service

The name of this service is:

WmOAFIN1159.payables1159.queryOA.APInvoice:queryAPInvoice

This service queries for new or changed invoice records. You set up Accounts Payable Invoices in Oracle Applications Payables to record invoice-related information.

You can use the following parameters to query Accounts Payable Invoice data:

- VENDOR_NAME
- INVOICE_NUM
- TERMS_NAME
- VENDOR_SITE_ADDRESS_LINE1
- VENDOR_SITE_ADDRESS_LINE2
- VENDOR_SITE_ADDRESS_LINE3
- VENDOR_TOWN_OR_CITY
- VENDOR_COUNTY
- VENDOR_POSTAL_CODE
- VENDOR_STATE
- STATUS
- ORGANIZATION_NAME

Database Scripts

This service uses the same database scripts as the Send Accounts Payable Invoice service.:

Note: If you use this service but you do *not* use the Send Accounts Payable Invoice service, you should run the wm_disable_from_apinvoice.sql script to disable the triggers installed by the Send Accounts Payable Invoice service.

For a detailed description of these database scripts, see "Send Accounts Payable Invoice Service" on page 138. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■   queryAPInvoiceTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■   **queryAPInvoiceTxn** queries for any Accounts Payable Invoice information that matches the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Accounts Payable Invoice service. For a detailed description of the business document structure, see "Send Accounts Payable Invoice Service" on page 138.

Query Accounts Payable Payment Service

The name of this service is:

WmOAFIN1159.payables1159.queryOA.APPayment:queryAPPayment

This service queries Accounts Payable payments. You set up Accounts Payable Payments in Oracle Applications Payables to record payment related information.

You can use the following parameters for querying Accounts Payable Payment data:

■   ORGANIZATION_NAME

■   CURRENT_BANK_ACCOUNT_NAME

■   PAYMENT_TYPE

■   VENDOR_NAME

■   INVOICE_NUM

Database Scripts

This service uses the same database scripts as the Send Accounts Payable Payment service.

> **Note**: If you use this service but you do *not* use the Send Accounts Payable Payment service, you should run the wm_disable_from_appayment.sql script to disable the triggers installed by the Send Accounts Payable Payment service.

For a detailed description of these database scripts, see "Send Accounts Payable Payment Service" on page 149. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryAPPaymentTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **queryAPPaymentTxn** queries for any Accounts Payable Payment information matching the parameter values. The parameters are the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Accounts Payable Payment service. For a detailed description of the business document structure, see "Send Accounts Payable Payment Service" on page 149.

Query Accounts Receivable Transaction Service

The name of this service is:

WmOAFIN1159.receivables1159.queryOA.ARTransaction:queryARTransaction

This service queries for Accounts Receivable Transactions.

You can use the following parameters for querying Accounts Receivable Transaction data:

- TRX_NUMBER
- TRX_TYPE_NAME
- SHIP_TO_CUSTOMER_NAME
- SHIP_TO_CUSTOMER_NUMBER
- BILL_TO_CUSTOMER_NAME
- BILL_TO_CUSTOMER_NUMBER
- ORGANIZATION_NAME

Database Scripts

This service uses the same database scripts as the Send Accounts Receivable Transaction service.

Note: If you use this service but you do *not* use the Send Accounts Receivable Transaction service, you should run the wm_disable_from_artrans.sql script to disable the triggers installed by the Send Accounts Receivable Transaction service.

For a detailed description of these database scripts, see "Send Accounts Receivable Transactions Service" on page 160. For more information about using database scripts, see "Database Scripts" on page 31.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryARTransactionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. Please change these settings accordingly.

■ **queryARTransactionTxn** queries the Oracle Applications database for any AR Transactions information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see .

Business Document Structure

This service uses the same business document structure as the Send Accounts Receivable Transaction service. For a detailed description of the business document structure, see .

Query Customer Service

The name of this service is:

WmOAFIN1159.receivables1159.queryOA.customer:queryCustomer

This service provides the list of new or changed customers.

You set up Customers in Oracle Applications Receivables to record customer-related information related to persons or organizations.

You can use the following parameters to query Customer data:

■ CUSTOMER_NUMBER: Unique identifier for a customer.

■ CUSTOMER_NAME

■ ADDRESS1

■ ADDRESS2

■ ADDRESS3

■ ADDRESS4

■ CITY

■ COUNTY

■ STATE

■ COUNTRY

- POSTAL_CODE

- PROVINCE

Database Scripts

This service uses the same database scripts as the Send Customer service.

Note: If you use this service but you do *not* use the Send Customer service, you should run the wm_disable_from_customer.sql script to disable the triggers installed by the Send Customer service.

For a detailed description of these database scripts, see "Send Customer Service" on page 190. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryCustomerTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

- queryCustomerTxn queries the Oracle Applications database for any Customer information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Customer service. For a detailed description of the business document structure, see "Send Customer Service" on page 190.

Query General Ledger Balance Service

The name of this service is:

WmOAFIN1159.generalLedger1159.queryOA.GLBalance:queryGLBalance

This service retrieves General Ledger (GL) Budget, Encumbrance, Actual, and Funds Available account balances based on the following parameters:

- PERIOD_NAME: Period for which the data would be retrieved from Oracle Applications.

- PERIOD_TYPE: Period Type.

- CURRENCY: Currency for the required GL balance.

- SET_OF_BOOKS: Set of Books Name.

While configuring the queryGLBalanceTxn service, a java.outOfMemory error can occur. Because the database can have so many records, it may be unable to configure the service. One workaround is to use a restricting condition in the query, that is, 1 = 2 so that the service configures successfully. After you have configured this service, remove the restricting condition from your transaction definitions. In addition, update the SQLOut parameters of the service's transactionRecord in the webMethods Developer, and remove the restricting condition. (In this example, you remove the 1 = 2 condition.)

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_glbalance.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_glbalance_vw.sql	Creates the following required view component: - WM_GL_BALANCES_QRY_VW
wm_drop_from_glbalance.sql	Uninstalls all components created by wm_install_from_glbalance.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryGLBalanceTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **queryGLBalanceTxn** queries the Oracle Applications database for any GL Balance matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business document structure:

- GLBALANCE

GLBALANCE

Document Field Name	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID		Not used	Populated from a sequence and used internally in the flow. Contains a null value for queried vendor data.
DOCUMENT_TYPE		Not used	Use GLBALANCE.
DOCUMENT_STATUS		Not used	Use QUERY.
SET_OF_BOOKS_NAME	GL_SETS_OF_ BOOKS	Name	Populated by joining the Set of Books ID with the corresponding ID in GL_SETS_OF_BOOKS table.

Document Field Name	Oracle Applications Table/View Name	Column Name	Description
ACCOUNT_CODE	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_ SEGTMENTS	Use Code Combination ID stored in the GL_BALANCES table to join with the Code Combination ID in GL_CODE_ COMBINATIONS_KFV table.
CURRENCY_CODE	GL_BALANCES	CURRENCY_CODE	
PERIOD_NAME	GL_BALANCES	PERIOD_NAME	
ACTUAL_FLAG	GL_BALANCES	ACTUAL_FLAG	
BUDGET_VERSION_NAME	GL_BUDGET_ VERSIONS	BUDGET_NAME	Joined with the Budget Version ID.
ENCUMBRANCE_TYPE	GL_ ENCUMBRANCE_ TYPES	ENCUMBRANCE_ TYPE	ENCUMBRANCE_TYPE_ ID is joined with GL_BALANCES.ENCUM BRANCE_TYPE_ID.
REVALUATION_STATUS	GL_BALANCES	REVALUATIUON_S TATUS	
PERIOD_TYPE	GL_BALANCES	PERIOD_TYPE	
PERIOD_YEAR	GL_BALANCES	PERIOD_YEAR	
PERIOD_NUMBER	GL_BALANCES	PERIOD_NUMBER	
PERIOD_NET_DR	GL_BALANCES	PERIOD_NET_DR	Period net debit balance.
PERIOD_NET_CR	GL_BALANCES	PERIOD_NET_CR	Period net credit balance.
PERIOD_TO_DATE_ADB	GL_BALANCES	PERIOD_TO_DATE _ADB	Period-to-date ADB balance.
QUARTER_TO_DATE_DR	GL_BALANCES	QUARTER_TO_ DATE_DR	Quarter-to-date debit balance.
QUARTER_TO_DATE_CR	GL_BALANCES	QUARTER_TO_ DATE_CR	Quarter-to-date credit balance.
QUARTER_TO_DATE_ADB	GL_BALANCES	QUARTER_TO_ DATE	Quarter-to-date ADB balance.
YEAR_TO_DATE_ADB	GL_BALANCES	YEAR_TO_DATE_A DB	Year-to-date ADB balance.

Document Field Name	Oracle Applications Table/View Name	Column Name	Description
PROJECT_TO_DATE_DR	GL_BALANCES	PROJECT_TO_ DATE_DR	Accumulated project debit balance.
PROJECT_TO_DATE_CR	GL_BALANCES	PROJECT_TO_ DATE_CR	Accumulated project credit balance.
PROJECT_TO_DATE_ADB	GL_BALANCES	PROJECT_TO_ DATE_ADB	Accumulated project ADB balance.
BEGIN_BALANCE_DR	GL_BALANCES	BEGIN_BALANCE_ DR	Beginning debit balance.
BEGIN_BALANCE_CR	GL_BALANCES	BEGIN_BALANCE_ CR	Beginning credit balance.
PERIOD_NET_DR_BEQ	GL_BALANCES	PERIOD_NET_DR_ BEQ	Period net debit balance, base currency.
PERIOD_NET_CR_BEQ	GL_BALANCES	PERIOD_NET_CR_ BEQ	Period net credit balance, base currency.
BEGIN_BALANCE_DR_BEQ	GL_BALANCES	BEGIN_BALANCE_ DR_BEQ	Beginning debit balance, base currency.
BEGIN_BALANCE_CR_BEQ	GL_BALANCES	BEGIN_BALANCE_ CR_BEQ	Beginning credit balance, base currency.
SUMMARY_TEMPLATE _NAME	GL_SUMMARY_ TEMPLATES	TEMPLATE_NAME	Joined TEMPLATE_ID with GL_ BALANCES.TEMPLATE_ ID.

Query Journal Service

The name of this service is:

WmOAFIN1159.generalLedger1159.queryOA.journal:queryJournal

This service queries for Journal information (general, recurring, mass allocation, and reversing journal entries) based on the following parameters:

■ BATCH_NAME: Name of the batch

■ SOURCE_NAME: Source Name

■ CATEGORY_NAME: Category

■ POSTED_DATE: Posted Date

While configuring the queryJournalTxn service, a java.outOfMemory error can occur. Because the database can have so many records, it would be unable to configure the service. One workaround is to use a restricting condition in the query, that is, 1 = 2, so that the service gets configured successfully. After you have configured this service, remove the restricting condition from your transaction definitions. In addition, update the SQLOut parameters of the service's transactionRecord in the webMethods Developer and remove the restricting condition. (In this example, you remove the 1 = 2 condition.)

Database Scripts

This service uses the same database scripts as the Send Journal service.:

Note: If you use this service but you do *not* use the Send Journal service, you should run the wm_disable_from_journal.sql script to disable the triggers installed by the Send Journal service.

For a detailed description of these database scripts, see "Send Journal Service" on page 215. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryJournalTxn1159.txp

Flow Control

The main flow executes as follows:

■ **queryJournalTxn** queries for any Journal information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Journal service. For a detailed description of the business document structure, see "Send Journal Service" on page 215.

Query Vendor Services

The name of this service is:

WmOAFIN1159.payables1159.queryOA.vendor:queryVendor

This service queries for new or changed Vendors.

You set up Vendors (also known as Suppliers) in Oracle Applications Payables and Oracle Applications Purchasing to record information about individuals and companies from which you purchase goods and services.

You can use the following parameters to query Vendor data:

■ VENDOR_NUMBER: Unique identifier for a customer.

■ TAXPAYER_ID: Customer Name.

■ INACTIVE_DATE_FROM: Beginning date the vendor is inactive.

■ INACTIVE_DATE_TO: Ending date the vendor is inactive.

■ TAX_REGISTRATION_NUMBER: Tax Registration Number.

■ VENDOR_SITE_CODE: Unique Site identifier for a vendor.

Database Scripts

This service uses the same database scripts as the Send Vendor service.:

Note: If you use this service but you do *not* use the Send Vendor service, you should run the wm_disable_from_vendor.sql script to disable the triggers installed by the Send Vendor service.

For a detailed description of these database scripts, see "Send Vendor Service" on page 220. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■   queryVendorTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■   specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■   queryVendorTxn queries the Oracle Applications database for any Vendor matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Vendor service. For a detailed description of the business document structure, see "Send Vendor Service" on page 220.

Receive Accounts Payable Invoice Service

The name of this service is:

WmOAFIN1159.payables1159.intoOA.APInvoice:receiveAPInvoice

The invoice type can be either Credit or Standard depending on the invoice amount. You can create multiple distributions for an invoice line by populating the line interface table. You can also import an invoice matched to a purchase order.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_apinvoice.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_apinvoice_pkg.sql	Installs WM_AP_INV_IMP_HANDLER_PKG. WM_HANDLE_OPENAP, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Accounts Payable import process.
wm_into_apinvoice_seq.sql	Creates the following component: ■ WM_AP_GROUP_S, which creates the GROUP_ID
wm_drop_into_apinvoice.sql	Uninstalls all components created by wm_install_into_apinvoice.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setAPInvoiceTxn1159.txp

■ APInvoiceTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **pickSequence** generates the group ID from the custom sequence WM_AP_GROUP_S that is required in the interface table.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structure (invoice interface table). This service uses the following services internally to provide required data feed during the mapping.

    - **pickSequence** is a transformer for mapping the business document IData structure to the interface table IData structure. It uses the sequence AP_INVOICES_INTERFACE_S to generate the invoice ID. Each invoice that will be imported needs an Invoice ID.

    - **convertWorkFlow** transforms workflow text to its code.

    - **getVendorSiteId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3, CITY, STATE, ZIP, COUNTRY, VENDOR_NAME, and ORG_NAME as the input parameters, queries the PO_VENDOR_SITES_ALL, PO_VENDORS, and ORG_ORGANIZATION_DEFINITIONS tables, and gets the VENDOR_SITE_ID corresponding to the passed values.

    - **pickSequence** generates the invoice line ID that requires inserting a line in the AP_INVOICE_LINES table. It uses sequence AP_INVOICES_INTERFACE_S to generate unique ID.

    - **getLineTypeLookUpCode** is a transformer for mapping the business document IData structure to the line interface IData structure. It finds the lookup code from lookup type. For the invoice type, it finds the lookup code for the INVOICE DISTRIBUTION TYPE lookup code.

    - **getShipToLocationCode** finds the ship to location code from the address provided incoming document.

    - **getProjectAndTaskId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes Project Name and Task Name as input and returns Project ID and Task ID.

    - **getPACCInvoiceId** gets the PA_CC_INVOICE_ID required for the line interface table. This service then calls the following services to select the required invoice ID from the database and feeds it to the interface table IData structure.

- **getARInvoiceId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes TRX_NUMBER AND ORG_ID as the input parameter to select the ARInvoice ID (that is, CUSTOMER_TRX_ID).

- **getAwardId** selects AWARD_ID from AWARD_FULL_NAME. This is a transformer for mapping business document to the interface table IData structure.

- **setAPInvoiceTxn** inserts data into the interface table AP_INVOICES_INTERFACE and AP_INVOICE_LINES_INTERFACE. It extracts data from the IData structure populated in the bizDocMapping service and puts the data into the interface table in Oracle Applications for APINVOICE.

- **importAPInvoice** imports data to the production table from the interface table. To monitor the import process, it then sequentially invokes the callImportPayablesInvoice, checkAPInvoiceImportStatus, and getAPInvoice_ERR services. If the status of execution is FAILED, it appends the dbErrorMsgRecordSet and concProgMsgRecordSet record list. Otherwise it checks for any data errors that occurred during the import process.

  - **execAPInvoiceConcProg** inserts data into the production table. It picks up data from the AP_INVOICES_INTERFACE and AP_INVOICE_LINES_INTERFACE interface tables, and inserts data into the AP_INVOICES_ALL, AP_DISTRIBUTIONS_ALL production tables.

  - **checkAPInvoiceImportStatus** queries the AP_INVOICES_INTERFACE table to find the number of rows for the passed request ID.

  - **getAPInvoiceImport_ERR** gets the error message that occurs during the data import to the production table from interface table.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This uses the business document APInvoiceBizDoc. Its structure is as follows:

- 1.0 AP_INVOICE

  - 1.1 AP_INVOICE_LINE

1.0 AP_INVOICE (Maps to AP_INVOICES_INTERFACE)

Field Name	Maps to Column	Description
WEB_TRANSACTION_ID		Not used to run this service.
DOCUMENT_TYPE		Not used to run this service.
DOCUMENT_STATUS		Not used to run this service.

Field Name	Maps to Column	Description
INVOICE_ID		Not used to run this service.
INVOICE_NUM	INVOICE_NUM	Required. Invoice number.
INVOICE_TYPE_LOOKUP_CODE	INVOICE_TYPE_LOOKUP_CODE	The invoice type. Valid values are Standard and Credit Memo.
INVOICE_DATE	INVOICE_DATE	
PO_NUMBER	PO_NUMBER	Purchase order number.
VENDOR_NUMBER	VENDOR_NUM	Vendor number.
VENDOR_NAME	VENDOR_NAME	
ADDRESS_LINE1 ADDRESS_LINE2 ADDRESS_LINE3 CITY COUNTY STATE ZIP COUNTRY	VENDOR_SITE_ID	Address of the vendor site. Derives the Vendor Site ID from the interface table.
INVOICE_AMOUNT	INVOICE_AMOUNT	
INVOICE_CURRENCY_CODE	INVOICE_CURRENCY_CODE	Currency of invoice.
EXCHANGE_RATE	EXCHANGE_RATE	Exchange rate for foreign currency invoices.
EXCHANGE_RATE_TYPE	EXCHANGE_RATE_TYPE	Rate type, such as Corporate or User.
EXCHANGE_DATE	EXCHANGE_DATE	Date on which the exchange rate has to be taken.
TERMS_NAME	TERMS_NAME	Payment terms name.
DESCRIPTION	DESCRIPTION	Description of invoice.
AWT_GROUP_NAME	AWT_GROUP_NAME	Withholding tax name.
SOURCE	SOURCE	Source of the invoice.
PAYMENT_CROSS_RATE_TYPE	PAYMENT_CROSS_RATE_TYPE	Cross currency payment rate type.
PAYMENT_CROSS_RATE_DATE	PAYMENT_CROSS_RATE_DATE	Cross currency payment rate date.

Field Name	Maps to Column	Description
PAYMENT_CROSS_RATE	PAYMENT_CROSS_RATE	Exchange rate between invoice and payment. This value is 1 unless currencies are associated as fixed-rate.
PAYMENT_CURRENCY_CODE	PAYMENT_CURRENCY_CODE	Cross Currency Payment currency.
WORKFLOW	WORKFLOW	Indicates whether the payables open interface workflow should process the record. Use: Y for To be Processed S for Processing D for Processed NULL for Not Applicable
DOC_CATEGORY_CODE	DOC_CATEGORY_CODE	Defaults to Standard or Credit depending on the invoice type. You can assign a valid document category that exists in Accounts Payable.
VOUCHER_NUM	VOUCHER_NUM	Voucher number.
PAYMENT_METHOD_LOOKUP _CODE	PAYMENT_METHOD_LOOKUP _CODE	Name of payment method.
PAY_GROUP_LOOKUP_CODE	PAY_GROUP_LOOKYP_CODE	Name of pay group.
GOODS_RECEIVED_DATE	GOODS_RECEIVED_DATE	Date invoice items received.
INVOICE_RECEIVED_DATE	INVOICE_RECEIVED_DATE	Date invoice received.
GL_DATE	GL_DATE	Accounting date to default to invoice distributions.
LIABILITY_ACCOUNT	ACCTS_PAY_CODE_ COMBINATION_ID	Accounts payable liability GL code combination ID is derived from the Accounts Code Combination.
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	Default transaction code for creating US standard general ledger journal entries.
EXCLUSIVE_PAYMENT_FLAG	EXCLUSIVE_PAYMENT_FLAG	
ORGANIZATION_NAME	ORG_ID	Organization name that derives the ORG_ID from organizations definitions.

Field Name	Maps to Column	Description
AMOUNT_APPLICABLE_TO_ DISCOUNT	AMOUNT_APPLICABLE_TO_ DISCOUNT	Amount of invoice applicable to a discount.
PREPAY_INVOICE_NUM	PREPAY_NUM	The invoice number of an existing fully-paid prepayment to be applied to the imported invoice.
PREPAY_APPLY_AMOUNT	PREPAY_APPLY_AMOUNT	The amount of prepayment that you want to apply to the invoice. This amount must be a positive number.
PREPAY_GL_DATE	PREPAY_GL_DATE	The accounting date used for the prepayment application. If left null, it uses the invoice GL_DATE.

1.1 AP_INVOICE_LINES (Maps to AP_INVOICES_LINES_INTERFACE)

Field Name	Maps to Column	Description
DISTRIBUTION_LINE_ NUMBER	LINE_NUMBER	Invoice line number.
LINE_TYPE	LINE_TYPE_LOOKUP_CODE	Type of invoice line. Valid values are Item, Freight, Tax, and Miscellaneous.
LINE_GROUP_NUMBER	LINE_GROUP_NUMBER	Prorates charges across a group of lines.
AMOUNT	AMOUNT	Line amount.
ACCOUNTING_DATE	ACCOUNTING_DATE	
DESCRIPTION	DESCRIPTION	
AMOUNT_INCLUDES_TAX	AMOUNT_INCLUDES_TAX_ FLAG	Indicates whether the line amount includes tax.
TAX_CODE	TAX_CODE	Validated against AP_TAX_CODES.NAME.
PRORATE_ACROSS_FLAG	PRORATE_ACROSS_FLAG	Indicates whether charges should be prorated across a group of lines.
FINAL_MATCH_FLAG	FINAL_MATCH_FLAG	
PO_NUMBER	PO_NUMBER	Purchase order number used for PO matching.

Field Name	Maps to Column	Description
PO_LINE_NUMBER	PO_LINE_NUMBER	Purchase order line number used for PO matching.
SHIPMENT_NUM	PO_SHIPMENT_NUM	Purchase order shipment number used for PO matching.
DISTRIBUTION_NUM	PO_DISTRIBUTION_NUM	Purchase order distribution line number used for PO matching.
ITEM_DESCRIPTION	ITEM_DESCRIPTION	
QUANTITY_INVOICED	QUANTITY_INVOICED	Quantity invoiced against purchase order shipment.
ADDRESS_LINE1 ADDRESS_LINE2 ADDRESS_LINE3 CITY COUNTY STATE POSTAL_CODE COUNTRY	SHIP_TO_LOCATION_CODE	Derives the Location ID based on the Ship To Location Address.
UNIT_PRICE	UNIT_PRICE	Unit price for purchase order matched invoice items.
DISTRIBUTION_SET_NAME	DISTRIBUTION_SET_NAME	
DIST_CODE_CONCATENATED	DIST_CODE_CONCATENATED	Account flexfield for account associated with distribution line.
AWT_GROUP_NAME	AWT_GROUP_NAME	Withholding tax group name.
RELEASE_NUM	RELEASE_NUM	Blanket PO release number used for PO matching.
ACCOUNT_SEGMENT	ACCOUNT_SEGMENT	To override the balancing segment in the account.
BALANCING_SEGMENT	BALANCING_SEGMENT	To override the balancing segment.
COST_CENTER_SEGMENT	COST_CENTER_SEGMENT	To override the cost center in the account.
PROJECT_NAME	PROJECT_ID	Project name validated against PA_PROJECTS_ALL_NAME.
TASK	TASK_ID	Project task name validated against PA_TASKS.
EXPENDITURE_TYPE	EXPEBDITURE_TYPE	Project expenditure type.

Field Name	Maps to Column	Description
EXPENDITURE_ITEM_DATE	EXPENDITURE_ITEM_DATE	Project expenditure item date.
EXPENDITURE_ORGANIZATION_NAME	EXPENDITURE_ORGANIZATION_ID	Project organization name.
PROJECT_ACCOUNTING_CONTEXT	PROJECT_ACCOUNTING_CONTEXT	Project accounting context.
PA_ADDITION_FLAG	PA_ADDITION_FLAG	Indicates whether the invoice is for a project.
PA_QUANTITY	PA_QUANTITY	
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	USSGL transaction code for creating US standard general ledger journal entries.
STAT_AMOUNT	STAT_AMOUNT	Amount associated with distribution line for measuring statistical quantities.
TYPE_1099	TYPE_1099	
INCOME_TAX_REGION_NAME	INCOME_TAX_REGION	Reporting region for distribution line for 1099 supplier.
ORGANIZATION_NAME	ORG_ID	Organization name validated against ORG_ORGANIZATION_DEFINITIONS.ORG_ID.
RECEIPT_NUMBER	RECEIPT_NUMBER	Receipt number used for receipt matching.
RECEIPT_LINE_NUMER	RECEIPT_LINE_NUMBER	Receipt line number to which an invoice will be matched.
MATCH_OPTION	MATH_OPTION	The value of the Invoice Match option on the PO shipment.
PACKING_SLIP	PACKING_SLIP	
TAX_RECOVERY_RATE	TAX_RECOVERY_RATE	Tax recovery rate to be used in the tax calculation whenever recoverable tax is enable.
RCV_TRANSACTION_ID	RCV_TRANSACTION_ID	Transaction identifier from RCV_TRANSACTIONS.
PA_CC_AR_INVOICE_NUMBER	PA_CC_AR_INVOICE_ID	Project accounting invoice number validated against AR_CUSTOMER_TRX_ALL.TRX_NUMBER.

Field Name	Maps to Column	Description
PA_CC_AR_INVOICE_LINE_NUMBER	PA_CC_AR_INVOICE_LINE_NUM	Project accounting invoice line number.
PA_REFERENCE1	REFERENCE1	
PA_REFERENCE2	REFERENCE2	
TAX_RECOVERY_OVERRIDE_FLAG	TAX_RECOVERY_OVERRIDE_FLAG	Flag for tax override.
TAX_RECOVERABLE_FLAG	TAX_RECOVERABLE_FLAG	
TAX_OVERRIDE_FLAG	TAX_CODE_OVERRIDE_FLAG	
PA_CC_PROCESSED_CODE	PA_CC_PROCESSED_CODE	Processed code for Project Accounting.
AWARD_FULL_NAME	AWARD_ID	Finds the AWARD_ID.
CREDIT_CARD_TRX_ID	CREDIT_CARD_TRX_ID	Credit card transaction identifier.
ASSET_TRACKING_FLAG	ASSET_TRACKING_FLAG	Whether tracked as an asset
PRICE_CORRECTION_FLAG	PRICE_CORRECTION_FLAG	Whether Price Adjustment was done
PRICE_CORRECT_INV_NUM	PRICE_CORRECT_INV_NUM	Number of the invoice that this price correction invoice is correcting. Validated against AP_INVOICES_ALL.INVOICE_NUM.

Receive Auto Invoice Service

The name of this service is:

WmOAFIN1159.receivables1159.intoOA.autoInvoice:receiveAutoInvoice

This service monitors the import process.

You can use this service to import and validate transaction data from other financial systems and create invoices, debit memos, credit memos, on-account credits in Oracle Receivables.

Although you can run the AutoInvoice Import Concurrent Program (AutoInvoice Master Program) with this service, it is recommended to schedule the program from Oracle Applications for the following reasons:

- The parameters for the AutoInvoice Master Program do not allow selective documents to be processed by the program in an instance of the flow. Therefore, the program execution also processes documents not inserted into interface tables during that instance of the flow.

- Although import errors are logged in tables, you cannot selectively retrieve errors for documents loaded during an instance of the flow. All errors for the Batch Source Name will display in the flow.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_autoinvoice.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_autonvoice_pkg.sql	Installs WM_AUTOINVOICE_INV_IMP_HANDLER_ PKG.WM_HANDLE_AUTOINVOICE, which calls the WM_CONC_REQUEST.WM_REQUEST_ SUBMIT procedure to submit the Accounts Receivable process.
wm_drop_into_autoinvoice.sql	Uninstalls all components created by wm_install_into_autoinvoice.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setAutoInvoiceTxn1159.txp

- AutoInvoiceTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

- specifyConcProgParams specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (interface tables).

    - getSetOfBooksId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes SET_OF_BOOKS_NAME as the input parameter and queries the table GL_SETS_OF_BOOKS and gets the SET_OF_BOOKS_ID.

    - getInventoryItemId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes INVENTORY_ITEM and ORGANIZATION_NAME as the input parameters and queries the tables MTL_SYSTEM_ITEMS_B_KFV, ORG_ORGANIZATION_DEFINITIONS, to get the INVENTORY_ITEM_ID.

    - getTerritoryId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes TERRITORY_NAME as the input parameter, queries the table RA_TERRITORIES, gets the TERRITORY_ID.

    - getWarehouseId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes WAREHOUSE_NAME as the input parameter and queries the table HR_ALL_ORGANIZATION_UNITS to get the ORGANIZATION_ID.

- setAutoInvoiceTxn inserts data into the interface tables.

- importAutoInvoice imports data to the production table from the interface table. It calls the execAutoInvConcProg, checkAutoInvImportStatus, and getAutoInvoiceImport_ERR services to execute the corresponding concurrent program that inserts data into the production table and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execAutoInvConcProg), it checks for the record with the current BATCH_NAME in the interface table. If any are found, it generates an error during import. In this case, this service calls getAutoInvoiceImport_ERR to retrieve the errors. If no record is found, it comes out of the flow and indicates that the data import process is successful. If the status of the execution is FAILED, it discontinues execution.

    - execAutoInvConcProg invokes the stored procedure WM_AUTOINVOICE_IMP_HANDLER_PKG.WM_HANDLE_AUTOINVOICE that then calls corresponding concurrent subroutine to execute the data import process for AutoInvoice into Oracle Applications. This service provides Status ID,

Request ID, and Execution Status Message for normal concurrent program completion and a database Stored Procedure error message if an exception occurs in the Stored Procedure execution.

- **checkAutoInvImportStatus** checks the status of the execution by checking the interface table for any rejected record corresponding to the current BATCH_SOURCE_NAME. If the query does not return any rows, it indicates a successful import. If the query returns any row, it indicates that the concurrent program could not import data successfully into the production tables of Oracle Applications.

- **getAutoInvoiceImport_ERR** gets the error message that occurs during the data import to the production table from interface table. Based on the parameter BATCH_SOURCE_NAME, it scans the RA_INTERFACE_LINES_ALL and RA_INTERFACE_ERRORS_ALL table to get the corresponding message for the BATCH_NAME.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document autoInvoiceBizDoc. Its structure is as follows:

- 1.0 TRANSACTIONS
  - 1.1 TRANSACTION_LINES
    - 1.1.1 TAX_LINES
      - **1.1.1.1 GL_DISTRIBUTIONS
    - 1.1.2 FREIGHT_LINES
      - 1.1.2.1 **GL_DISTRIBUTIONS
    - 1.1.3 SALES_CREDITS
      - 1.1.3.1 **GL_DISTRIBUTIONS
  - 1.2. CHARGES
    - 1.2.2 GL_DISTRIBUTIONS
  - 1.3 FREIGHT_LINES
    - 1.3.1 **GL_DISTRIBUTIONS

- 1.4 ***DEFAULT_SALES_CREDITS

- 1.5 NOTES

**All use the same GL_DISTRIBUTIONS information. See "1.1.1.1 GL_DISTRIBUTIONS (Maps to RA_INTERFACE_DISTRIBUTIONS_ALL)" on page 91.

***DEFAULT_SALES_CREDITS uses the same table as 1.1.3 SALES_CREDITS. See "1.1.3 SALES_CREDITS (Maps to RA_INTERFACE_SALESCREDITS_ALL)" on page 95

1.0 TRANSACTIONS (Maps to RA_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
AGREEMENT_NAME	AGREEMENT_NAME	
COMMENTS	COMMENTS	
CONS_BILLING_NUM	CONS_BILLING_NUM	The number for this consolidated bill that groups a set of invoices under one bill.
CONVERSION_DATE	CONVERSION_DATE	The exchange rate date. If you do not enter a date, the transaction date is the default.
CONVERSION_RATE	CONVERSION_RATE	The exchange rate.
CONVERSION_TYPE	CONVERSION_TYPE	Required. The exchange rate type. If the currency of the transaction is the same as the base currency, enter User and set CONVERSION_RATE to 1.
CREDIT_METHOD_FOR_RULES	CREDIT_METHOD_FOR_RULES	The method for crediting a transaction, which uses an accounting rule. Valid values are PRORATE, LIFO and UNIT.
CREDIT_METHOD_FOR_ INSTALLMENTS	CREDIT_METHOD_FOR_ INSTALLMENTS	The method for crediting a transaction that uses split payment terms. Valid values are PRORATE, LIFO and UNIT.
INVOICE_CURRENCY_CODE	CURRENCY_CODE	Required.
CUSTOMER_BANK_ACCOUNT _NAME	CUSTOMER_BANK_ACCOUNT _NAME	The Bill To customer bank account name.
TRX_TYPE_NAME	CUST_TRX_TYPE_NAME	The transaction type name.
DOCUMENT_NUMBER	DOCUMENT_NUMBER	

Field Name	Maps to Column	Description
GL_DATE	GL_DATE	The General Ledger date. The GL date determines the accounting period that you record this transaction to the general ledger.
HEADER_ATTRIBUTE_ CATEGORY	HEADER_ATTRIBUTE_ CATEGORY	Descriptive flexfield attribute that stores additional user-defined information.
HEADER_ATTRIBUTE1	HEADER_ATTRIBUTE1	
HEADER_ATTRIBUTE2	HEADER_ATTRIBUTE2	
HEADER_ATTRIBUTE3	HEADER_ATTRIBUTE3	
HEADER_ATTRIBUTE4	HEADER_ATTRIBUTE4	
HEADER_ATTRIBUTE5	HEADER_ATTRIBUTE5	
HEADER_ATTRIBUTE6	HEADER_ATTRIBUTE6	
HEADER_ATTRIBUTE7	HEADER_ATTRIBUTE7	
HEADER_ATTRIBUTE8	HEADER_ATTRIBUTE8	
HEADER_ATTRIBUTE9	HEADER_ATTRIBUTE9	
HEADER_ATTRIBUTE10	HEADER_ATTRIBUTE10	
HEADER_ATTRIBUTE11	HEADER_ATTRIBUTE11	
HEADER_ATTRIBUTE12	HEADER_ATTRIBUTE12	
HEADER_ATTRIBUTE13	HEADER_ATTRIBUTE13	
HEADER_ATTRIBUTE14	HEADER_ATTRIBUTE14	
HEADER_ATTRIBUTE15	HEADER_ATTRIBUTE15	
INTERNAL_NOTES	INTERNAL_NOTES	
INVOICING_RULE_NAME	INVOICING_RULE_NAME	
ORIG_SYSTEM_BILL_ADDRESS _REF	ORIG_SYSTEM_BILL_ADDRESS _REF	The Bill To customer address reference from your original system that you entered in ORIG_SYSTEM_BILL_ CUSTOMER_REF.
ORIG_SYSTEM_BILL_ CONTACT_REF	ORIG_SYSTEM_BILL_ CONTACT_REF	The Bill To contact reference from your original system that you entered in ORIG_SYSTEM_BILL_ CUSTOMER_REF.

Field Name	Maps to Column	Description
ORIG_SYSTEM_BILL_ CUSTOMER_REF	ORIG_SYSTEM_BILL_ CUSTOMER_REF	Uniquely identifies this Bill To customer in your original system. Provides an audit trail from Oracle Receivables back to your original system.
ORIG_SYSTEM_SHIP_ ADDRESS_REF	ORIG_SYSTEM_SHIP_ADDRESS _REF	Uniquely identifies this Ship To customer address in your original system.
ORIG_SYSTEM_SHIP_ CONTACT_REF	ORIG_SYSTEM_SHIP_ CONTACT_REF	Uniquely identifies this Ship To contact in your original system.
ORIG_SYSTEM_SHIP_ CUSTOMER_REF	ORIG_SYSTEM_SHIP_ CUSTOMER_REF	Uniquely identifies the Ship To customer in your original system.
ORIG_SYSTEM_SOLD_ CUSTOMER_REF	ORIG_SYSTEM_SOLD_ CUSTOMER_REF	Uniquely identifies the Sold To customer in your original system.
ORIG_SYSTEM_BATCH_NAME	ORIG_SYSTEM_BATCH_NAME	
PAYMENT_SERVER_ORDER_ NUM	PAYMENT_SERVER_ORDER_ NUM	Indicates the credit card payment was authorized by Oracle Payment Server.
PRIMARY_SALESREP_ NUMBER	PRIMARY_SALESREP_ NUMBER	
PRINTING_OPTION	PRINTING_OPTION	
PURCHASE_ORDER	PURCHASE_ORDER	The Purchase Order number.
PURCHASE_ORDER_REVISION	PURCHASE_ORDER_REVISION	
PURCHASE_ORDER_DATE	PURCHASE_ORDER_DATE	
REASON_CODE	REASON_CODE	
REASON_CODE_MEANING	REASON_CODE_MEANING	The reason code description.
RECEIPT_METHOD_NAME	RECEIPT_METHOD_NAME	The name of the payment method.
RELATED_CUSTOMER_TRX_ NUMBER	RELATED_TRX_NUMBER	The document number to which this transaction is related.
SET_OF_BOOKS_NAME	SET_OF_BOOKS_ID	Required.
TERRITORY	TERRITORY	Maps to the territory ID.
TERM_NAME	TERM_NAME	The name of the payment term.
TRX_DATE	TRX_DATE	The transaction date.
TRX_NUMBER	TRX_NUMBER	The transaction number.

Field Name	Maps to Column	Description
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	The invoice line flexfield attribute that stores additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	
RELATED_BATCH_SOURCE_NAME	RELATED_BATCH_SOURCE_NAME	The name of the batch source of the document to which this transaction is related.
BATCH_SOURCE_NAME	BATCH_SOURCE_NAME	Required. AutoInvoice uses your batch source to determine the transaction, batch numbering method, and AutoInvoice processing options.
FOB_POINT	FOB_POINT	
SHIP_DATE_ACTUAL	SHIP_DATE_ACTUAL	The shipment date.
SHIP_VIA	SHIP_VIA	The ship via code.
WAYBILL_NUMBER	WAYBILL_NUMBER	
APPROVAL_CODE	APPROVAL_CODE	The payment approval code provided by the credit card issuer to indicate funds are available from the user's account.

Field Name	Maps to Column	Description
ADDRESS_VERIFICATION_CODE	ADDRESS_VERIFICATION_CODE	The credit card address verification code provided by Oracle Payment server.
DEFAULT_USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	If this transaction is linked to another transaction, enter the same transaction code as the one to which it is linked.
DEFAULT_USSGL_TRX_CODE_CONTEXT	DEFAULT_USSGL_TRX_CODE_CONTEXT	AutoInvoice does not currently use this column.
ORGANIZATION_NAME	ORG_ID	For future Oracle Applications functionality and can be left null. You can use ORGANIZATION_NAME to retrieve other Oracle Applications IDs, such as Inventory ID.

1.1 TRANSACTION_LINES (Maps to RA_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
DESCRIPTION	DESCRIPTION	Required.Provide the transaction's description.
QUANTITY	QUANTITY	This field is optional if the transaction is an invoice or credit memo line, and LINE_TYPE=LINE or you are passing the Header Freight value. For invoice lines, provide the number of units shipped. For credit memo lines, provide the number of units you are crediting. If you do not provide a value in this field, AutoInvoice uses AMOUNT as the extended amount.
QUANTITY_ORDERED	QUANTITY_ORDERED	The original number of units ordered.
UNIT_STANDARD_PRICE	UNIT_STANDARD_PRICE	The standard price per unit.
UNIT_SELLING_PRICE	UNIT_SELLING_PRICE	The selling price per unit.

Field Name	Maps to Column	Description
AMOUNT	AMOUNT	The revenue amount.
AMOUNT_INCLUDES_TAX_ FLAG	AMOUNT_INCLUDES_TAX_ FLAG	Controls if the amount line includes tax.
UOM_CODE	UOM_CODE	The unit of measure code.
UOM_NAME	UOM_NAME	The unit of measure name.
ACCOUNTING_RULE_ DURATION	ACCOUNTING_RULE_ DURATION	
ACCOUNTING_RULE_NAME	ACCOUNTING_RULE_NAME	
RULE_START_DATE	RULE_START_DATE	The date that you want to start the accounting rule.
LAST_PERIOD_TO_CREDIT	LAST_PERIOD_TO_CREDIT	For unit credit memos, enter the last period number from which you want to start crediting.
INVENTORY_ITEM	INVENTORY_ID	The concatenated Inventory flexfield, which will be used to derive the INVENTORY_ID.
MEMO_LINE_NAME	MEMO_LINE_NAME	The name of the standard memo line.
TAX_EXEMPT_FLAG	TAX_EXEMPT_FLAG	If LINE_TYPE=LINE, this column is optional. The value you enter here controls how a line is taxed. For all other line types and credit memos, do not enter a value in this column.
TAX_EXEMPT_NUMBER	TAX_EXEMPT_NUMBER	
TAX_EXEMPT_REASON_CODE	TAX_EXEMPT_REASON_CODE	
TAX_EXEMPT_REASON_CODE_ MEANING	TAX_EXEMPT_REASON_CODE_ MEANING	The tax exempt reason code description.
SALES_ORDER_SOURCE	SALES_ORDER_SOURCE	The source of the sales order.
SALES_ORDER	SALES_ORDER	The sales order number.
SALES_ORDER_REVISION	SALES_ORDER_REVISION	
SALES_ORDER_LINE	SALES_ORDER_LINE	The sales order line number.
SALES_ORDER_DATE	SALES_ORDER_DATE	

Field Name	Maps to Column	Description
WAREHOUSE_NAME	WAREHOUSE_ID	This column identifies the Ship From location and controls taxation.
TRANSLATED_DESCRIPTION	TRANSLATED_DESCRIPTION	The translated description of this transaction line used for multilingual support.
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides you with an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
REFERENCE_LINE_CONTEXT	REFERENCE_LINE_CONTEXT	The transaction flexfield of the transaction line you are crediting in these columns.
REFERENCE_LINE_ATTRIBUTE1	REFERENCE_LINE_ATTRIBUTE1	
REFERENCE_LINE_ATTRIBUTE2	REFERENCE_LINE_ATTRIBUTE2	

Field Name	Maps to Column	Description
REFERENCE_LINE_ATTRIBUTE3	REFERENCE_LINE_ATTRIBUTE3	
REFERENCE_LINE_ATTRIBUTE4	REFERENCE_LINE_ATTRIBUTE4	
REFERENCE_LINE_ATTRIBUTE5	REFERENCE_LINE_ATTRIBUTE5	
REFERENCE_LINE_ATTRIBUTE6	REFERENCE_LINE_ATTRIBUTE6	
REFERENCE_LINE_ATTRIBUTE7	REFERENCE_LINE_ATTRIBUTE7	
REFERENCE_LINE_ATTRIBUTE8	REFERENCE_LINE_ATTRIBUTE8	
REFERENCE_LINE_ATTRIBUTE9	REFERENCE_LINE_ATTRIBUTE9	
REFERENCE_LINE_ATTRIBUTE10	REFERENCE_LINE_ATTRIBUTE10	
REFERENCE_LINE_ATTRIBUTE11	REFERENCE_LINE_ATTRIBUTE11	
REFERENCE_LINE_ATTRIBUTE12	REFERENCE_LINE_ATTRIBUTE12	
REFERENCE_LINE_ATTRIBUTE13	REFERENCE_LINE_ATTRIBUTE13	
REFERENCE_LINE_ATTRIBUTE14	REFERENCE_LINE_ATTRIBUTE14	
REFERENCE_LINE_ATTRIBUTE15	REFERENCE_LINE_ATTRIBUTE15	
LINK_TO_LINE_CONTEXT	LINK_TO_LINE_CONTEXT	The link to your transaction flexfield attribute values.
LINK_TO_LINE_ATTRIBUTE1	LINK_TO_LINE_ATTRIBUTE1	
LINK_TO_LINE_ATTRIBUTE2	LINK_TO_LINE_ATTRIBUTE2	
LINK_TO_LINE_ATTRIBUTE3	LINK_TO_LINE_ATTRIBUTE3	
LINK_TO_LINE_ATTRIBUTE4	LINK_TO_LINE_ATTRIBUTE4	
LINK_TO_LINE_ATTRIBUTE5	LINK_TO_LINE_ATTRIBUTE5	
LINK_TO_LINE_ATTRIBUTE6	LINK_TO_LINE_ATTRIBUTE6	
LINK_TO_LINE_ATTRIBUTE7	LINK_TO_LINE_ATTRIBUTE7	
LINK_TO_LINE_ATTRIBUTE8	LINK_TO_LINE_ATTRIBUTE8	
LINK_TO_LINE_ATTRIBUTE9	LINK_TO_LINE_ATTRIBUTE9	
LINK_TO_LINE_ATTRIBUTE10	LINK_TO_LINE_ATTRIBUTE10	
LINK_TO_LINE_ATTRIBUTE11	LINK_TO_LINE_ATTRIBUTE11	
LINK_TO_LINE_ATTRIBUTE12	LINK_TO_LINE_ATTRIBUTE12	
LINK_TO_LINE_ATTRIBUTE13	LINK_TO_LINE_ATTRIBUTE13	
LINK_TO_LINE_ATTRIBUTE14	LINK_TO_LINE_ATTRIBUTE14	
LINK_TO_LINE_ATTRIBUTE15	LINK_TO_LINE_ATTRIBUTE15	

1.1.1 TAX_LINES (Maps to RA_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
AMOUNT	AMOUNT	The revenue amount. Required if there is no value provided in the TAX_RATE column.
VAT_TAX_CODE	TAX_CODE	The tax code for this tax line
TAX_PRECEDENCE	TAX_PRECEDENCE	The precedence number for this tax line. This column computes tax compounding.
TAX_RATE	TAX_RATE	The tax rate for this tax line. Required if a value is not provided in the AMOUNT column.
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	

Field Name	Maps to Column	Description
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	The invoice line flexfield attribute that stores additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	

1.1.1.1 GL_DISTRIBUTIONS (Maps to RA_INTERFACE_DISTRIBUTIONS_ALL)

Field Name	Column	Description
ACCOUNT_CLASS	ACCOUNT_CLASS	Required. The account class for this accounting distribution. AutoInvoice uses the account class to determine the type of account you are supplying for this accounting distribution.
ACCTD_AMOUNT	ACCTD_AMOUNT	The accounted amount for this distribution.

Field Name	Column	Description
AMOUNT	AMOUNT	The amount for this accounting distribution. Required if this accounting distribution is for a transaction that does not use an accounting rule depending on the value you entered for your batch source, and if no value is provided in PERCENT.
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	The invoice line flexfield attribute that stores additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	
ACCOUNT_NUMBER	CODE_COMBINATION_ID	Required. The concatenated segments value for the Accounting flexfields, which maps to the CODE_COMBINATION_ID.

Field Name	Column	Description
COMMENTS	COMMENTS	Comments about this accounting distribution
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
INTERIM_TAX_ACCOUNT_NUMBER	INTERIM_TAX_ACCOUNT_NUMBER	
ACCT_DISTRIBUTION_PERCENT	PERCENT	The percent for this accounting distribution. Required if this accounting distribution is for a transaction that does not use an accounting rule, depending on the value you entered for your batch source, and if no value is provided in AMOUNT.

1.1.2 FREIGHT_LINES (Maps to RA_INTERFACE_LINES_ALL)

Field Name	Column	Description
AMOUNT	AMOUNT	Required. The revenue amount.
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	The invoice line flexfield attribute that stores additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	

Field Name	Column	Description
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	

1.1.3 SALES_CREDITS (Maps to RA_INTERFACE_SALESCREDITS_ALL)

Field Name	Maps to Column	Description
SALESREP_NUMBER	SALESREP_NUMBER	Required. Enter the salesperson number for this sales credit assignment.
CUSTOMER_TRX_LINE_ID		
REVENUE_PERCENT_SPLIT	SALES_CREDIT_PERCENT_SPLIT	Required if no value is provided in REVENUE_AMOUNT_ SPLIT. The sales credit percent for this salesperson.
REVENUE_AMOUNT_SPLIT	SALES_CREDIT_AMOUNT_SPLIT	Required if no value is provided in REVENUE_PERCENT_ SPLIT. The sales credit amount for this salesperson.
NON_REVENUE_PERCENT_ SPLIT		Not used.
NON_REVENUE_AMOUNT_ SPLIT		Not used.
SALESREP_NAME	SALESREP_NAME	Not used.
SALES_CREDIT_TYPE_NAME	SALES_CREDIT_TYPE_NAME	Required. The name of the sales credit type for this sales credit assignment.

Field Name	Maps to Column	Description
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	The invoice line flexfield attribute that stores additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	

Field Name	Maps to Column	Description
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	

1.2 CHARGES (Maps to RA_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
DESCRIPTION	DESCRIPTION	The transaction's description. Required column in AutoInvoice.
QUANTITY	QUANTITY	Number of Units shipped. For Debit Memos, set quantity to 1; for Credit Memos, set quantity to 1 or –1.
QUANTITY_ORDERED	QUANTITY_ORDERED	The original number of units ordered.
INVENTORY_ITEM	INVENTORY_ITEM	The concatenated inventory flexfield that derives the INVENTORY_ID.
UNIT_STANDARD_PRICE	UNIT_STANDARD_PRICE	The standard price per unit.
UNIT_SELLING_PRICE	UNIT_SELLING_PRICE	The selling price per unit.
MEMO_LINE_NAME	MEMO_LINE_NAME	The name of the standard memo line.
SALES_ORDER_SOURCE	SALES_ORDER_SOURCE	The source of the sales order.
SALES_ORDER	SALES_ORDER	The sales order number.
SALES_ORDER_REVISION	SALES_ORDER_REVISION	
SALES_ORDER_LINE	SALES_ORDER_LINE	The sales order line number.
SALES_ORDER_DATE	SALES_ORDER_DATE	

Field Name	Maps to Column	Description
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
REFERENCE_LINE_CONTEXT	REFERENCE_LINE_CONTEXT	If this transaction is a credit memo, enter the transaction flexfield of the transaction line to credit in these columns, or to the transaction to credit.
REFERENCE_LINE_ATTRIBUTE1	REFERENCE_LINE_ATTRIBUTE1	
REFERENCE_LINE_ATTRIBUTE2	REFERENCE_LINE_ATTRIBUTE2	
REFERENCE_LINE_ATTRIBUTE3	REFERENCE_LINE_ATTRIBUTE3	
REFERENCE_LINE_ATTRIBUTE4	REFERENCE_LINE_ATTRIBUTE4	
REFERENCE_LINE_ATTRIBUTE5	REFERENCE_LINE_ATTRIBUTE5	
REFERENCE_LINE_ATTRIBUTE6	REFERENCE_LINE_ATTRIBUTE6	

Field Name	Maps to Column	Description
REFERENCE_LINE_ATTRIBUTE7	REFERENCE_LINE_ATTRIBUTE7	
REFERENCE_LINE_ATTRIBUTE8	REFERENCE_LINE_ATTRIBUTE8	
REFERENCE_LINE_ATTRIBUTE9	REFERENCE_LINE_ATTRIBUTE9	
REFERENCE_LINE_ATTRIBUTE10	REFERENCE_LINE_ATTRIBUTE10	
REFERENCE_LINE_ATTRIBUTE11	REFERENCE_LINE_ATTRIBUTE11	
REFERENCE_LINE_ATTRIBUTE12	REFERENCE_LINE_ATTRIBUTE12	
REFERENCE_LINE_ATTRIBUTE13	REFERENCE_LINE_ATTRIBUTE13	
REFERENCE_LINE_ATTRIBUTE14	REFERENCE_LINE_ATTRIBUTE14	
REFERENCE_LINE_ATTRIBUTE15	REFERENCE_LINE_ATTRIBUTE15	
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	Descriptive flexfield attributes store additional user-defined information.
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	

1.3 FREIGHT_LINES (RA_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
DESCRIPTION	DESCRIPTION	Required.The transaction description.
QUANTITY	QUANTITY	Number of units shipped.
QUANTITY_ORDERED	QUANTITY_ORDERED	The original number of units ordered.
UNIT_STANDARD_PRICE	UNIT_STANDARD_PRICE	The standard price per unit.
UNIT_SELLING_PRICE	UNIT_SELLING_PRICE	The selling price per unit.
AMOUNT	AMOUNT	The revenue amount.
ACCOUNTING_RULE_ DURATION	ACCOUNTING_RULE_DURATION	Required if this transaction uses a variable duration accounting rule.
ACCOUNTING_RULE_NAME	ACCOUNTING_RULE_NAME	
RULE_START_DATE	RULE_START_DATE	The date that you want to start the accounting rule.
LAST_PERIOD_TO_CREDIT	LAST_PERIOD_TO_CREDIT	For unit credit memos, enter the last period number from which you want to start crediting.
MEMO_LINE_NAME	MEMO_LINE_NAME	The name of the standard memo line.
SALES_ORDER_SOURCE	SALES_ORDER_SOURCE	
SALES_ORDER	SALES_ORDER	The sales order number.
SALES_ORDER_REVISION	SALES_ORDER_REVISION	
SALES_ORDER_LINE	SALES_ORDER_LINE	The sales order line number.
SALES_ORDER_DATE	SALES_ORDER_DATE	
INTERFACE_LINE_CONTEXT	INTERFACE_LINE_CONTEXT	Required for enabled attributes. The reference value that provides an audit trail from Receivables back to your original system.
INTERFACE_LINE_ATTRIBUTE1	INTERFACE_LINE_ATTRIBUTE1	
INTERFACE_LINE_ATTRIBUTE2	INTERFACE_LINE_ATTRIBUTE2	

Field Name	Maps to Column	Description
INTERFACE_LINE_ATTRIBUTE3	INTERFACE_LINE_ATTRIBUTE3	
INTERFACE_LINE_ATTRIBUTE4	INTERFACE_LINE_ATTRIBUTE4	
INTERFACE_LINE_ATTRIBUTE5	INTERFACE_LINE_ATTRIBUTE5	
INTERFACE_LINE_ATTRIBUTE6	INTERFACE_LINE_ATTRIBUTE6	
INTERFACE_LINE_ATTRIBUTE7	INTERFACE_LINE_ATTRIBUTE7	
INTERFACE_LINE_ATTRIBUTE8	INTERFACE_LINE_ATTRIBUTE8	
INTERFACE_LINE_ATTRIBUTE9	INTERFACE_LINE_ATTRIBUTE9	
INTERFACE_LINE_ATTRIBUTE10	INTERFACE_LINE_ATTRIBUTE10	
INTERFACE_LINE_ATTRIBUTE11	INTERFACE_LINE_ATTRIBUTE11	
INTERFACE_LINE_ATTRIBUTE12	INTERFACE_LINE_ATTRIBUTE12	
INTERFACE_LINE_ATTRIBUTE13	INTERFACE_LINE_ATTRIBUTE13	
INTERFACE_LINE_ATTRIBUTE14	INTERFACE_LINE_ATTRIBUTE14	
INTERFACE_LINE_ATTRIBUTE15	INTERFACE_LINE_ATTRIBUTE15	
REFERENCE_LINE_CONTEXT	REFERENCE_LINE_CONTEXT	If this transaction is a credit memo, enter the transaction flexfield of the transaction line you are crediting in these columns, or the transaction you are crediting.
REFERENCE_LINE_ATTRIBUTE1	REFERENCE_LINE_ATTRIBUTE1	
REFERENCE_LINE_ATTRIBUTE2	REFERENCE_LINE_ATTRIBUTE2	
REFERENCE_LINE_ATTRIBUTE3	REFERENCE_LINE_ATTRIBUTE3	
REFERENCE_LINE_ATTRIBUTE4	REFERENCE_LINE_ATTRIBUTE4	
REFERENCE_LINE_ATTRIBUTE5	REFERENCE_LINE_ATTRIBUTE5	
REFERENCE_LINE_ATTRIBUTE6	REFERENCE_LINE_ATTRIBUTE6	
REFERENCE_LINE_ATTRIBUTE7	REFERENCE_LINE_ATTRIBUTE7	
REFERENCE_LINE_ATTRIBUTE8	REFERENCE_LINE_ATTRIBUTE8	
REFERENCE_LINE_ATTRIBUTE9	REFERENCE_LINE_ATTRIBUTE9	
REFERENCE_LINE_ATTRIBUTE10	REFERENCE_LINE_ATTRIBUTE10	
REFERENCE_LINE_ATTRIBUTE11	REFERENCE_LINE_ATTRIBUTE11	
REFERENCE_LINE_ATTRIBUTE12	REFERENCE_LINE_ATTRIBUTE12	

Field Name	Maps to Column	Description
REFERENCE_LINE_ATTRIBUTE13	REFERENCE_LINE_ATTRIBUTE13	
REFERENCE_LINE_ATTRIBUTE14	REFERENCE_LINE_ATTRIBUTE14	
REFERENCE_LINE_ATTRIBUTE15	REFERENCE_LINE_ATTRIBUTE15	
ATTRIBUTE_CATEGORY	ATTRIBUTE_CATEGORY	Descriptive flexfield attributes store additional user-defined information
ATTRIBUTE1	ATTRIBUTE1	
ATTRIBUTE2	ATTRIBUTE2	
ATTRIBUTE3	ATTRIBUTE3	
ATTRIBUTE4	ATTRIBUTE4	
ATTRIBUTE5	ATTRIBUTE5	
ATTRIBUTE6	ATTRIBUTE6	
ATTRIBUTE7	ATTRIBUTE7	
ATTRIBUTE8	ATTRIBUTE8	
ATTRIBUTE9	ATTRIBUTE9	
ATTRIBUTE10	ATTRIBUTE10	
ATTRIBUTE11	ATTRIBUTE11	
ATTRIBUTE12	ATTRIBUTE12	
ATTRIBUTE13	ATTRIBUTE13	
ATTRIBUTE14	ATTRIBUTE14	
ATTRIBUTE15	ATTRIBUTE15	

1.4 DEFAULT_SALES_CREDITS

Use the table for Sales Credit. See .

Receive Bank Statement Service

The name of this service is:

WmOAFIN1159.cashManagement1159.intoOA.bankStatement:receiveBankStatement

This service monitors the import process.

Use this service to load bank statements into the Cash Management module of Oracle Applications and to reconcile the bank statements automatically. The Auto Reconciliation program submits a request to reconcile the bank statement when all import errors are resolved. Other characteristics of this service include:

■ Seven control columns for error-checking purposes to accommodate the various control totals provided in bank statements.

■ All transactions in the batch must use the same currency.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_bankstmt.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_bankstmt_pkg.sql	Installs WM_CE_BANK_IMP_HANDLER_PKG. WM_HANDLE_CEBANK, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the bank statement process.
wm_drop_bankstmt.sql wm_drop_into_bankstmt.sql	Uninstalls all components created by wm_install_into_bankstmt.sql.

For more information about using database scripts, see .

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ BankStmtTransactions1159.txp

■ setBankStatementTxn1159.txp

For information about using the transaction definition files to customize this service, see .

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (interface tables). It loops over the parent and the child to extract data to flat format.

■ **setBankStatementTxn** inserts data into the interface table. It extracts data from the IData structure and puts the data into the interface tables in Oracle Applications.

■ **importBankStatement** imports bank statement to the production table from the interface table. To monitor the import process, it then sequentially invokes the callBankStatementImport, checkbankStatementImportStatus, and getBankStatementImport_ERR services. If the status of the execution is FAILED, this step appends the dbErrorMsgRecorsdSet and concProgMsgRecordSet record list. Otherwise this it checks for data error that occurred during the import process.

  ■ **execBankStatementConcProg** invokes custom package and stored procedure WM_CE_BANK_IMP_HANDLER_PKG.WM_HANDLE_CEBANK to execute the concurrent program.

  ■ **checkBankStatementImportStatus**. After the data import execution, this service checks the CE_STATEMENT_HEADERS_INT_ALL table to find the errors related to data import for the corresponding bank details.

  ■ **getBankStatementImport_ERR** gets the data import error for the specific bank. This service queries the CE_HEADER_INTERFACE_ERRORS and CE_LINE_INTERFACE_ERRORS tables and gets relevant error messages for the header and the lines.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document BankStatementBizDoc. Its structure is as follows:

- 1.0 STATEMENT
    - 1.1 STATEMENT_LINES

1.0 STATEMENT (Maps to CE_STATEMENT_HEADERS_INT_ALL)

Field Name	Maps to Column	Description
BANK_NAME	BANK_NAME	
BRANCH_NAME	BANK_BRANCH_NAME	Required.
STATEMENT_NUMBER	STATEMENT_NUMBER	Required.
STATEMENT_DATE	STATEMENT_DATE	Required.
BANK_ACCOUNT_NUM	BANK_ACCOUNT_NUM	Required. Bank account number.
CONTROL_BEGIN_BALANCE	CONTROL_BEGIN_BALANCE	Control beginning balance.
CONTROL_END_BALANCE	CONTROL_END_BALANCE	
CONTROL_TOTAL_DR	CONTROL_TOTAL_DR	Total receipt amount of the bank statement that can be compared to the actual receipt entry totals for control purposes.
CONTROL_TOTAL_CR	CONTROL_TOTAL_CR	Total payment amount of the bank statement that can be compared to the actual payment entry totals for control.
CONTROL_DR_LINE_COUNT	CONTROL_DR_LINE_COUNT	Total payment line count of the statement that can be compared to the actual number of payments entered for control purposes.
CONTROL_CR_LINE_COUNT	CONTROL_CR_LINE_COUNT	Total payment line count of the statement that can be compared to the actual number of payments entered for control purposes.
CONTROL_LINE_COUNT	CONTROL_LINE_COUNT	Total line count of the statement that can be compared to the actual number of lines entered for control purposes.

Field Name	Maps to Column	Description
RECORD_STATUS_FLAG	RECORD_STATUS_FLAG	Statement upload status lookup type HEADER_INTERFACE_ STATUS. Use: C for Corrected E for Error N for New T for Transferred
CURRENCY_CODE	CURRENCY_CODE	Bank statement currency code.
ORG_NAME	ORG_ID	Derived from organization definitions.
CHECK_DIGITS	CHECK_DIGITS	Holds any check digits that result from bank account number validation in FBS.

1.1 STATEMENT_LINES (Maps to CE_STATEMENT_LINES_INTERFACE)

Field Name	Maps to Column	Description
LINE_NUMBER	LINE_NUMBER	Required.
TRX_DATE	TRX_DATE	Required. Line transaction date that updates AP check's cleared date and AR receipt's cleared date if EFFECTIVE_DATE is null.
TRX_CODE	TRX_CODE	Bank transaction code.
EFFECTIVE_DATE	EFFECTIVE_DATE	Statement line effective date.
TRX_TEXT	TRX_TEXT	Statement line description.
INVOICE_TEXT	INVOICE_TEXT	Invoice number for finding available receipts by invoice.
AMOUNT	AMOUNT	Statement line amount.
CURRENCY_CODE	CURRENCY_CODE	Statement line currency code.
EXCHANGE_RATE	EXCHANGE_RATE	
BANK_TRX_NUMBER	BANK_TRX_NUMBER	Transaction number that identifies the transaction to be matched against the statement line.
CUSTOMER_TEXT	CUSTOMER_NUMBER	

Field Name	Maps to Column	Description
USER_EXCHANGE_RATE_TYPE	USER_EXCHANGE_RATE_TYPE	Currency conversion rate type.
EXCHANGE_RATE_DATE	EXCHANGE_RATE_DATE	
ORIGINAL_AMOUNT	ORIGINAL_AMOUNT	Statement line amount in currency code.
CHARGES_AMOUNT	CHARGES_AMOUNT	Bank charges amount.
BANK_ACCOUNT_TEXT	BANK_ACCOUNT_TEXT	Supplier or customer bank account number.

Receive Customer Service

The name of this service is:

WmOAFIN1159.receivables1159.intoOA.customer:receiveCustomer

This service monitors the import process.

The Customer Interface process deletes the rows from the interface tables which were imported successfully or contained warning messages. The error records in the interface table have an error interface status code. To identify the error records for a particular Customer Interface import run, query the interface table with the actual concurrent request ID. The import process changes the request ID to null for those records not deleted from the interface table after an unsuccessful import.

The Customer Interface process does not link the import process and the records in the interface table that it processes. In addition, no interface error table exists in Oracle Applications to store the Customer Import errors. Instead, the Customer Interface Transfer Report online report generates and includes exceptions from interface records for a particular run. To obtain the Customer interface status, check the Customer Interface Transfer Report generated along with the concurrent request.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_customer.sql	Runs any scripts for the service.
wm_into_customer_pkg.sql	Installs WM_CUSTOMER_IMP_HANDLER_PKG. WM_HANDLE_CUSTOMER, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the customer concurrent process.
wm_drop_into_customer.sql	Uninstalls all components created by wm_install_into_customer.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setCustomerTxn1159.txp

■ CustomerTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (interface tables).

　■ **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID.

- **getOASystemDate** returns the Oracle Applications System Date in DD-MM-YYYY format.

- **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

- **setCustomerTxn** inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for Customer.

- **importCustomer**: This service imports data to the production table from the interface table. It calls the execCustomerConcProg service to execute the corresponding concurrent program that inserts data into the production table and to generate the error/acknowledgement message.

  - **execCustomerConcProg** invokes the stored procedure Wm_Customer_Imp_Handler_Pkg.WM_HANDLE_CUSTOMER that calls the corresponding concurrent subroutine to execute the data import process for the Customer into Oracle Applications. This service produces Status ID, Request ID, Execution Status Message for normal concurrent program completion, and any database Stored Procedure error message if an exception occurs in the Stored Procedure execution).

For more details on receive transactions, see .

Business Document Structure

This service uses the following business document structure:

- 1.0 CUSTOMERS

  - 1.1 SITES

    - 1.1.1 SITE_USES

      - 1.1.1.1 SITE_PAYMENT_METHODS

      - 1.1.1.2 SITE_BANK_ACCOUNTS

      - 1.1.1.3 SITE_PROFILES

        - 1.1.1.3.1 SITE_PROFILE AMOUNTS

    - 1.1.2 SITE_PHONES

- 1.1.3 SITE_CONTACTS
  - 1.1.3.1 SITE_CONTACT_ROLES
  - **1.1.3.2 SITE_CONTACT_PHONES
- *1.2 PHONES
- **1.3 CONTACTS
  - *1.3.1 CONTACT_ROLES
  - **1.3.2 CONTACT_PHONES
- **1.4 BANK_ACCOUNTS
- **1.5 PAYMENT_METHODS
- **1.6 CUSTOMER_PROFILES
  - **1.6.1 PROFILE_AMOUNTS

**Some services use the same field names and column mappings as follows:

For These Documents...	Use the following table:
■ 1.1.3.2. SITE_CONTACT_PHONES ■ 1.2 PHONES	"1.1.2 SITE_PHONES (Maps to RA_CONTACT_PHONES_INT_ALL)" on page 118
■ 1.3 CONTACTS	"1.1.3 SITE_CONTACTS (Maps to RA_CONTACT_PHONES_INT_ALL)" on page 119
■ 1.3.1 CONTACT_ROLES	"1.1.3.1 SITE_CONTACT_ROLES" on page 214
■ 1.3.2 CONTACT_PHONES	"1.1.2 SITE_PHONES (Maps to RA_CONTACT_PHONES_INT_ALL)" on page 118
■ 1.4 BANK_ACCOUNTS	"1.1.1.2 SITE_BANK_ACCOUNTS (Maps to RA_CUSTOMER_BANKS_INT_ALL)" on page 114
■ 1.5. PAYMENT_METHODS	"1.1.1.1 SITE_PAYMENT_METHODS (Maps to RA_CUST_PAY_METHOD_INT_ALL)" on page 113
■ 1.6 CUSTOMER_PROFILES	"1.1.1.3 SITE_PROFILES (Maps to RA_CUSTOMER_PROFILES_INT_ALL)" on page 115
■ 1.6.1 PROFILE_AMOUNTS	"1.1.1.3.1 SITE_PROFILE AMOUNTS (Maps to RA_CUSTOMER_PROFILES_INT_ALL)" on page 117

1.0 CUSTOMERS (Maps to RA_CUSTOMERS_INTERFACE_ALL)

Field Name	Map to Column	Description
CUSTOMER_ID		
CUSTOMER_NAME	CUSTOMER_NAME	Required.
CUSTOMER_NUMBER	CUSTOMER_NUMBER	
CUSTOMER_KEY	CUSTOMER_KEY	Derived key created by Oracle Sales and Marketing to facilitate querying.
CUSTOMER_STATUS	CUSTOMER_STATUS	Customer status flag.
ORIG_SYSTEM_REFERENCE	ORIG_SYSTEM_CUSTOMER_REFERENCE	Required. Unique customer identifier from foreign system.
CUSTOMER_PROSPECT_CODE	CUSTOMER_PROSPECT_CODE	
CUSTOMER_CATEGORY_CODE	CUSTOMER_CATEGORY_CODE	User–definable category.
CUSTOMER_CLASS_CODE	CUSTOMER_CLASS_CODE	Customer class identifier.
CUSTOMER_TYPE	CUSTOMER_TYPE	Receivables lookup code for CUSTOMER_TYPE. Values are: ■ I: Internal customers ■ R: external customers.
TAX_REFERENCE	TAX_REFERENCE	Taxpayer identification number.
TAX_CODE	TAX_CODE	Tax code for this customer.
SHIP_VIA	CUST_SHIP_VIA_CODE	Name of shipping firm.
TAXPAYER_ID	JGZZ_FISCAL_CODE	Fiscal code for certain European countries.
CUSTOMER_NAME_PHONETIC	CUSTOMER_NAME_PHONETIC	Japanese Kana, or phonetic representation of organization name.
LANGUAGE	LANGUAGE	
PERSON_FIRST_NAME	PERSON_FIRST_NAME	
PERSON_LAST_NAME	PERSON_LAST_NAME	
PERSON_FLAG	PERSON_FLAG	
INSERT_UPDATE_FLAG	INSERT_UPDATE_FLAG	Flag to indicate whether the customer record inserted or updated.

1.1 SITES (Maps to RA_CUSTOMERS_INTERFACE_ALL)

Field Name	Map to Column	Description
ORIG_SYSTEM_REFERENCE	ORIG_SYSTEM_ADDRESS_REF	Address identifier from the foreign system.
ADDRESS1	ADDRESS1	
ADDRESS2	ADDRESS2	
ADDRESS3	ADDRESS3	
ADDRESS4	ADDRESS4	
CITY	CITY	
COUNTY	COUNTY	
STATE	STATE	
PROVINCE	PROVINCE	
COUNTRY	COUNTRY	
POSTAL_CODE	POSTAL_CODE	
ADDRESS_LINES_PHONETIC	ADDRESS_LINES_PHONETIC	Phonetic or Kana representation of the Kanji address lines, used in Japan.
TERRITORY	TERRITORY	Territory for this customer account site.
TRANSLATED_CUSTOMER_NAME	TRANSLATED_CUSTOMER_NAME	Translated customer name.
ORGANIZATION_NAME	ORG_ID	Organization name.

1.1.1 SITE_USES (Maps to RA_CUSTOMERS_INTERFACE_ALL)

Field Name	Map to Column	Description
SITE_USE_ID		
SITE_USE_CODE	SITE_USE_CODE	Business purpose.
PRIMARY_FLAG	PRIMARY_SITE_USE_FLAG	Indicates whether site is primary.
BILL_TO_LOCATION	BILL_TO_ORIG_ADDRESS_REF	Site use identifier.
SHIP_VIA	SITE_SHIP_VIA_CODE	Name of the preferred shipping company.
TAX_REFERENCE	SITE_USE_TAX_REFERENCE	
TAX_CODE	SITE_USE_TAX_CODE	

Field Name	Map to Column	Description
DEMAND_CLASS_CODE	DEMAND_CLASS_CODE	
REV_ACCOUNT	GL_ID_REV	Account identifier for the revenue account.
FREIGHT_ACCOUNT	GL_ID_FREIGHT	Account identifier for the freight account.
REC_ACCOUNT	GL_ID_REC	Account identifier for the receivable account.
CLEARING_ACCOUNT	GL_ID_CLEARING	Account identifier for the clearing account.
TAX_ACCOUNT	GL_ID_TAX	Account identifier for the tax account.
UNBILLED_ACCOUNT	GL_ID_UNBILLED	Account identifier for the unbilled account.
UNEARNED_ACCOUNT	GL_ID_UNEARNED	Account identifier for the unearned account.
UNPAID_REC_ACCOUNT	GL_ID_UNPAID	Account identifier for the unpaid bills account.
REMITTANCE_ACCOUNT	GL_ID_REMITTANCE	Account identifier for the remittance account.
FACTOR_ACCOUNT	GL_ID_FACTOR	Account identifier for the factor account.
LOCATION	LOCATION	

1.1.1.1 SITE_PAYMENT_METHODS (Maps to RA_CUST_PAY_METHOD_INT_ALL)

Field Name	Maps to Column	Description
PRIMARY_FLAG	PRIMARY_FLAG	Required. Indicates whether customer receipt method is primary.
RECEIPT_METHOD_NAME	RECEIPT_METHOD_NAME	Required.
START_DATE	START_DATE	Required. Start date of the customer receipt methods.
END_DATE	END_DATE	End date of the customer receipt methods.

1.1.1.2 SITE_BANK_ACCOUNTS (Maps to RA_CUSTOMER_BANKS_INT_ALL)

Field Name	Maps to Column	Description
START_DATE	START_DATE	Required. Start date of the bank account.
END_DATE	END_DATE	End date of the bank account.
PRIMARY_FLAG	PRIMARY_FLAG	Required. Indicates whether the bank account use is primary.
BANK_NUMBER	BANK_NUMBER	
BANK_NAME	BANK_NAME	
BANK_BRANCH_NAME	BANK_BRANCH_NAME	
BANK_BRANCH_NUM	BANK_NUM	
BANK_BRANCH_DESCRIPTION	BANK_BRANCH_DESCRIPTION	
BANK_ACCOUNT_NAME	BANK_ACCOUNT_NAME	Required.
BANK_ACCOUNT_NUM	BANK_ACCOUNT_NUM	Bank account number.
BANK_ACCOUNT_DESCRIPTION	BANK_ACCOUNT_DESCRIPTION	
BANK_CURRENCY_CODE	BANK_CURRENCY_CODE	
BANK_ACCOUNT_INACTIVE_DATE	BANK_ACCOUNT_INACTIVE_DATE	
BANK_BRANCH_ADDRESS1	BANK_BRANCH_ADDRESS1	
BANK_BRANCH_ADDRESS2	BANK_BRANCH_ADDRESS2	
BANK_BRANCH_ADDRESS3	BANK_BRANCH_ADDRESS3	
BANK_BRANCH_ADDRESS4	BANK_BRANCH_ADDRESS4	
BANK_BRANCH_CITY	BANK_BRANCH_CITY	
BANK_BRANCH_STATE	BANK_BRANCH_STATE	
BANK_BRANCH_ZIP	BANK_BRANCH_ZIP	
BANK_BRANCH_PROVINCE	BANK_BRANCH_PROVINCE	
BANK_BRANCH_COUNTRY	BANK_BRANCH_COUNTRY	
BANK_BRANCH_AREA_CODE	BANK_BRANCH_AREA_CODE	
BANK_BRANCH_PHONE	BANK_BRANCH_PHONE	

Field Name	Maps to Column	Description
BANK_BRANCH_COUNTY	BANK_BRANCH_COUNTY	
BANK_BRANCH_EFT_USER_NUMBER	BANK_BRANCH_EFT_USER_NUMBER	The number that identifies you as a user of electronic funds transfer services to your bank or clearing organization.
BANK_ACCOUNT_CHECK_DIGITS	BANK_ACCOUNT_CHECK_DIGITS	Holds any check digits that result from bank account number validation.

1.1.1.3 SITE_PROFILES (Maps to RA_CUSTOMER_PROFILES_INT_ALL)

Field Name	Maps to Column	Description
PROFILE_CLASS_NAME	CUSTOMER_PROFILE_CLASS_NAME	
PROFILE_CLASS_DESCRIPTION		
COLLECTOR_NAME	COLLECTOR_NAME	
CREDIT_CHECKING	CREDIT_CHECKING	Indicates whether a credit check is to be carried out.
TOLERANCE	TOLERANCE	Percentage over credit limit that this customer can exceed before action is taken.
DISCOUNT_TERMS	DISCOUNT_TERMS	Indicates whether to allow discount terms. Default value is Y (Yes).
DUNNING_LETTERS	DUNNING_LETTERS	Indicates whether to send dunning letters to this customer when invoices, debit memos, or charge backs become past due.
INTEREST_CHARGES	INTEREST_CHARGES	Indicates whether to charge this customer interest.
STATEMENTS	STATEMENTS	Indicates whether to send this customer statement.
CREDIT_BALANCE_STATEMENTS	CREDIT_BALANCE_STATEMENTS	Indicates whether to send statements that have a credit balance.

Field Name	Maps to Column	Description
CREDIT_HOLD	CREDIT_HOLD	Required. Indicates whether to put a hold on this customer's credit.
CREDIT_RATING	CREDIT_RATING	List of values for credit rating.
RISK_CODE	RISK_CODE	List of values for risk code.
STANDARD_TERMS	STANDARD_TERMS	User–defined payment.
OVERRIDE_TERMS	OVERRIDE_TERMS	Indicates whether to allow override of standard.
DUNNING_LETTER_SET_NAME	DUNNING_LETTER_SET_NAME	
INTEREST_PERIOD_DAYS	INTEREST_PERIOD_DAYS	Number of days to which the interest rate refers.
PAYMENT_GRACE_DAYS	PAYMENT_GRACE_DAYS	Maximum number of overdue days allowed before action.
DISCOUNT_GRACE_DAYS	DISCOUNT_GRACE_DAYS	Number of days after discount term date during which this customer can take discounts.
STATEMENT_CYCLE_NAME	STATEMENT_CYCLE_NAME	
ACCOUNT_STATUS	ACCOUNT_STATUS	User-defined account status.
AUTOCASH_HIERARCHY_NAME	AUTOCASH_HIERARCHY_NAME	
AUTO_REC_INCL_DISPUTED_FLAG	AUTO_REC_INCL_DISPUTED_FLAG	Indicates whether to include disputed transactions.
TAX_PRINTING_OPTION	TAX_PRINTING_OPTION	
CHARGE_ON_FINANCE_CHARGE_FLAG	CHARGE_ON_FINANCE_CHARGE_FLAG	Indicates whether to compound finance charges for this customer or site.
GROUPING_RULE_NAME	GROUPING_RULE_NAME	
CONS_INV_FLAG	CONS_INV_FLAG	Indicates whether the customer will be sent a consolidated billing invoice.
CONS_INV_TYPE	CONS_INV_TYPE	Type of consolidated summary or detail billing invoice sent to customer.

Field Name	Maps to Column	Description
PERCENT_COLLECTABLE	PERCENT_COLLECTABLE	Percentage of this customer's account balance that you expect to collect on a regular basis.
CLEARING_DAYS	CLEARING_DAYS	Number of clearing days before receipts that belong to this customer or site. This overrides the value of the payment method or bank account.
INSERT_UPDATE_FLAG	INSERT_UPDATE_FLAG	Flag to indicate insert or update of the Profile record.

1.1.1.3.1 SITE_PROFILE AMOUNTS (Maps to RA_CUSTOMER_PROFILES_INT_ALL)

Field Name	Maps to Column	Description
CURRENCY_CODE	CURRENCY_CODE	
TRX_CREDIT_LIMIT	TRX_CREDIT_LIMIT	Credit limit for an order.
OVERALL_CREDIT_LIMIT	OVERALL_CREDIT_LIMIT	
MIN_DUNNING_AMOUNT	MIN_DUNNING_AMOUNT	Minimum total a Dunning letter should have before the letter is printed.
MIN_DUNNING_INVOICE_ AMOUNT	MIN_DUNNING_INVOICE_ AMOUNT	The balance due on a payment schedule must be at least this value before it can be dunned.
MAX_INTEREST_CHARGE	MAX_INTEREST_CHARGE	Maximum interest to be charged per invoice for a currency.
MIN_STATEMENT_AMOUNT	MIN_STATEMENT_AMOUNT	Minimum total a statement should have before the statement is printed.
AUTO_REC_MIN_RECEIPT_ AMOUNT	AUTO_REC_MIN_RECEIPT_ AMOUNT	Limits the minimum receipt amount for a currency.
INTEREST_RATE	INTEREST_RATE	The interest rate to be charged to this customer account or site for invoices in this currency.
MIN_FC_BALANCE_AMOUNT	MIN_FC_BALANCE_AMOUNT	Minimum balance that a customer account or customer account site should have before any finance charges can be charged to invoices.

Field Name	Maps to Column	Description
MIN_FC_INVOICE_AMOUNT	MIN_FC_INVOICE_AMOUNT	Minimum balance on an invoice before any finance charges can be computed for it.
INSERT_UPDATE_FLAG	INSERT_UPDATE_FLAG	Flag to indicate insert or update of the Profile amount record

1.1.2 SITE_PHONES (Maps to RA_CONTACT_PHONES_INT_ALL)

Field Name	Maps to Column	Description
PHONE_COUNTRY_CODE	PHONE_COUNTRY_CODE	International country code for a telephone number.
PHONE_NUMBER	TELEPHONE	Telephone number formatted in the local format.
STATUS		Valid values are Active or Inactive.
PHONE_TYPE	TELEPHONE_TYPE	lookup code for the type of phone line; for example, general, fax, inbound, or outbound.
AREA_CODE	TELEPHONE_AREA_CODE	Area code within a country code.
EXTENSION	TELEPHONE_EXTENSION	Additional number used by an internal telephone system after the internal telephone system is contacted.
PRIMARY_FLAG		Indicates whether there is a primary contact type for referenced party, site, or location.
ORIG_SYSTEM_REFERENCE	ORIG_SYSTEM_TELEPHONE_REF	Identifier for this record from foreign system.
INSERT_UPDATE_FLAG	INSERT_UPDATE_FLAG	Flag to indicate insert or update of the phone record.

1.1.3 SITE_CONTACTS (Maps to RA_CONTACT_PHONES_INT_ALL)

Field Name	Maps to Column	Description
TITLE	CONTACT_TITLE	
FIRST_NAME	CONTACT_FIRST_NAME	
LAST_NAME	CONTACT_LAST_NAME	
JOB_TITLE	CONTACT_JOB_TITLE	
MAIL_STOP	MAIL_STOP	
ORIG_SYSTEM_REFERENCE	ORIG_SYSTEM_CONTACT_REF	Reference to identify foreign system.
CONTACT_KEY	CONTACT_KEY	Derived key created by Oracle Sales and Marketing to facilitate querying.
EMAIL_ADDRESS	EMAIL_ADDRESS	
INSERT_UPDATE_FLAG	INSERT_UPDATE_FLAG	Flag to indicate insert or update of the contact record.

1.1.3.1 SITE_CONTACT_ROLES (Maps to RA_CONTACT_PHONES_INT_ALL)

Field Name	Oracle Applications Table/View Name	Column Name	Comments
USAGE_CODE	HZ_ROLE_ RESPONSIBILITY	RESPONSIBILITY_ TYPE	Lookup for responsibility type.
ORIG_SYSTEM_REFERENCE	HZ_ROLE_ RESPONSIBILITY	ORIG_SYSTEM_ REFERENCE	Unique identifier from foreign system.
PRIMARY_FLAG	HZ_ROLE_ RESPONSIBILITY	PRIMARY_FLAG	Indicates whether the primary role played by the representative for the account is primary.

Receive FA Budget Service

The name of this service is:

WmOAFIN1159.fixedAssets1159.intoOA.FABudget:receiveFABudget

This service monitors the FA Budget insert process.

The Integration Server flow does not execute the concurrent program for the actual upload of Budgets into Oracle Assets production tables because:

■ You define the Concurrent Program for uploading budgets in Oracle Assets, but the standard configuration of the concurrent program does not allow the submission from SRS (Standard Request Submission). Instead, you use a separate Upload Capital Budget (that is, Assets: Budgets to Upload) window to specify the book and initiate the upload.

■ Uploading Budgets for a book requires you to delete that existing budget for the same book from Oracle Assets. You must use the Upload Capital Budget window to do this. This window gives the option to delete any existing Budget and upload a new one.

Database Scripts

This service does not require any database scripts.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ setFABudgetTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (interface tables).

■ **setFABudgetTxn** inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for FA Budgets Open Interfaces.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document FABudgetBizDoc. Its structure is as follows:

■ FA_BUDGET

FA_BUDGET (Maps to FA_BUDGET_INTERFACE)

Field Name	Maps to Column	Description
BOOK_TYPE_CODE	BOOK_TYPE_CODE	Optional. Name of the fixed asset book.
PERIOD1_AMOUNT	PERIOD1_AMOUNT	Required for at least one of the 12 periods. The budget tax amount you allocate to an asset category and cost center for one period in the fiscal year. You can allocate a budget book annual budget up to 12 periods.
PERIOD2_AMOUNT	PERIOD2_AMOUNT	See PERIOD1_AMOUNT.
PERIOD3_AMOUNT	PERIOD3_AMOUNT	See PERIOD1_AMOUNT.
PERIOD4_AMOUNT	PERIOD4_AMOUNT	See PERIOD1_AMOUNT.
PERIOD5_AMOUNT	PERIOD5_AMOUNT	See PERIOD1_AMOUNT.
PERIOD6_AMOUNT	PERIOD6_AMOUNT	See PERIOD1_AMOUNT.
PERIOD7_AMOUNT	PERIOD7_AMOUNT	See PERIOD1_AMOUNT.
PERIOD8_AMOUNT	PERIOD8_AMOUNT	See PERIOD1_AMOUNT.
PERIOD9_AMOUNT	PERIOD9_AMOUNT	See PERIOD1_AMOUNT.
PERIOD10_AMOUNT	PERIOD10_AMOUNT	See PERIOD1_AMOUNT.
PERIOD11_AMOUNT	PERIOD11_AMOUNT	See PERIOD1_AMOUNT.
PERIOD12_AMOUNT	PERIOD12_AMOUNT	See PERIOD1_AMOUNT.

Field Name	Maps to Column	Description
ACCT_SEGMENT1	ACCT_SEGMENT1	Required for at least one of the 30 segments. Segments of the accounting flexfield structure; the number depends on the accounting flexfield structure for the set of books.
ACCT_SEGMENT2	ACCT_SEGMENT2	See ACCT_SEGMENT1.
ACCT_SEGMENT3	ACCT_SEGMENT3	See ACCT_SEGMENT1.
ACCT_SEGMENT4	ACCT_SEGMENT4	See ACCT_SEGMENT1.
ACCT_SEGMENT5	ACCT_SEGMENT5	See ACCT_SEGMENT1.
ACCT_SEGMENT6	ACCT_SEGMENT6	See ACCT_SEGMENT1.
ACCT_SEGMENT7	ACCT_SEGMENT7	See ACCT_SEGMENT1.
ACCT_SEGMENT8	ACCT_SEGMENT8	See ACCT_SEGMENT1.
ACCT_SEGMENT9	ACCT_SEGMENT9	See ACCT_SEGMENT1.
ACCT_SEGMENT10	ACCT_SEGMENT10	See ACCT_SEGMENT1.
ACCT_SEGMENT11	ACCT_SEGMENT11	See ACCT_SEGMENT1.
ACCT_SEGMENT12	ACCT_SEGMENT12	See ACCT_SEGMENT1.
ACCT_SEGMENT13	ACCT_SEGMENT13	See ACCT_SEGMENT1.
ACCT_SEGMENT14	ACCT_SEGMENT14	See ACCT_SEGMENT1.
ACCT_SEGMENT15	ACCT_SEGMENT15	See ACCT_SEGMENT1.
ACCT_SEGMENT16	ACCT_SEGMENT16	See ACCT_SEGMENT1.
ACCT_SEGMENT17	ACCT_SEGMENT17	See ACCT_SEGMENT1.
ACCT_SEGMENT18	ACCT_SEGMENT18	See ACCT_SEGMENT1.
ACCT_SEGMENT19	ACCT_SEGMENT19	See ACCT_SEGMENT1.
ACCT_SEGMENT20	ACCT_SEGMENT20	See ACCT_SEGMENT1.
ACCT_SEGMENT21	ACCT_SEGMENT21	See ACCT_SEGMENT1.
ACCT_SEGMENT22	ACCT_SEGMENT22	See ACCT_SEGMENT1.
ACCT_SEGMENT23	ACCT_SEGMENT23	See ACCT_SEGMENT1.
ACCT_SEGMENT24	ACCT_SEGMENT24	See ACCT_SEGMENT1.
ACCT_SEGMENT25	ACCT_SEGMENT25	See ACCT_SEGMENT1.
ACCT_SEGMENT26	ACCT_SEGMENT26	See ACCT_SEGMENT1.
ACCT_SEGMENT27	ACCT_SEGMENT27	See ACCT_SEGMENT1.

Field Name	Maps to Column	Description
ACCT_SEGMENT28	ACCT_SEGMENT28	See ACCT_SEGMENT1.
ACCT_SEGMENT29	ACCT_SEGMENT29	See ACCT_SEGMENT1.
ACCT_SEGMENT30	ACCT_SEGMENT30	See ACCT_SEGMENT1.
CAT_SEGMENT1	CAT_SEGMENT1	Required for at least one of the seven category segments. The number of segments of the category flexfield structure depends on the category flexfield.
CAT_SEGMENT2	CAT_SEGMENT2	See CAT_SEGMENT1.
CAT_SEGMENT3	CAT_SEGMENT3	See CAT_SEGMENT1.
CAT_SEGMENT4	CAT_SEGMENT4	See CAT_SEGMENT1.
CAT_SEGMENT5	CAT_SEGMENT5	See CAT_SEGMENT1.
CAT_SEGMENT6	CAT_SEGMENT6	See CAT_SEGMENT1.
CAT_SEGMENT7	CAT_SEGMENT7	See CAT_SEGMENT1.

Receive General Ledger Budget Service

The name of this service is:

WmOAFIN1159.generalLedger1159.intoOA.GLBudget:receiveGLBudget

This service monitors the GL Budget insert process.

You can use this service to load budgets to the Oracle Applications General Ledger budget interface tables. Use the Budget amounts to:

- Upload a budget amount only for current or open budgets.

- Upload a budget amount only for open budget fiscal years within a budget. A new budget can be opened using the Define Budgets window in the Oracle Applications General Ledger.

- Add new or replace existing Budget amounts.

- Upload a budget amount for an existing account that falls within the account ranges assigned to the Budget Organization.

Database Scripts

This service does not require any database scripts.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ GLBudgetTransactions1159.txp

■ setGLBudgetTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (interface tables). It loops over the parent and the child to extract data to flat format.

  ■ getSOBVersionEntityId maps SET_OF_BOOKS_ID, BUDGET_VERSION_ID, and BUDGET_ENTITY_ID based on BUDGET_NAME and BUDGET_ENTITY_NAME passed to it. This service is in bizDocMapping.

■ setGLBudgetTxn inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for GL Budgets Open Interfaces.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document GLBudgetBizDoc. Its structure is as follows:

■ GL_BUDGET

GL_BUDGET (Maps to GL_BUDGET_INTERFACE)

Field Name	Maps to Column	Description
BUDGET_NAME	BUDGET_NAME	Required. Name of the budget in Define Budget window.
BUDGET_ENTITY_NAME	BUDGET_ENTITY_NAME	Required. Budget organization name in Define Budget Organization window.
FISCAL_YEAR	FISCAL_YEAR	Required. Fiscal year for budgeting.
CODE_COMBINATION_ID		
PERIOD_TYPE		
DR_FLAG		
STATUS		
ACCOUNT_TYPE		
UPDATE_LOGIC_TYPE	UPDATE_LOGIC_TYPE	Required. Use: R for replace the amount for the budget. A for add amount to the existing amount for the budget.
PERIOD1_AMOUNT through PERIOD60_AMOUNT	PERIOD1_AMOUNT through PERIOD60_AMOUNT	Amounts for a maximum of 60 periods in a fiscal year.
SEGMENT1 through SEGMENt30	SEGMENT1 through SEGMENT30	Segments in the accounting flexfield structure.
CURRENCY_CODE	CURRENCY_CODE	Required. Budget currency code.

Receive Journal Service

The name of this service is:

WmOAFIN1159.generalLedger1159.intoOA.journal:receiveJournal

This service inserts Journals into the General Ledger production tables. You can import Journals such as Accounting, Encumbrance, and Multi-currency.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_journal.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_journal_pkg.sql	Installs WM_JOURNAL_IMP_HANDLER_PKG. WM_HANDLE_JOURNAL, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the journal concurrent process.
wm_drop_into_journal.sql	Uninstalls all components created by wm_install_into_journal.sql.

For more information about using database scripts, see.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setJournalTxn1159.txp

■ JournalTransactions1159.txp

For information about using the transaction definition files to customize this service, see .

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **pickSequence** generates the current sequence number from the GL_INTERFACE_CONTROL_S sequence.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (interface tables). This service uses the following services internally to provide required data feed during the mapping.

  - **getOASystemDate** maps the current date as a date-object.

  - **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

  - **getSOBId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes set of books short name as the input parameter and queries the table GL_SETS_OF_BOOKS and gets the set_of_books_id.

  - **convertToDateObject** converts a datestring to the date-object.

  - **getEncumTypeId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ENCUMBRANCE_TYPE as the input parameter and queries the table gl_encumbrance_types and gets encumbrance_type_id.

  - **getBudgetVersionID** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes BUDGET_NAME as the input parameter and queries the table GL_BUDGET_VERSIONS and gets the BUDGET_VERSION_ID corresponding to the BUDGET_NAME.

  - **getCodeCombinationID** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes CONCATENATED_SEGMENTS as the input parameter and queries the table GL_CODE_COMBINATIONS_KFV and gets the CODE_COMBINATION_ID corresponding to the passed code.

- **setJournalTxn** inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for GL.

- **importJournal** imports data to the production table from the interface table. It then calls the execJournalConcProg, checkIntefaceTabStatus and getJournalImport_ERR services to execute the corresponding concurrent program that inserts data into the production table to generate the error or acknowledgement message. If the status of the execution is SUCCESS (returned by the service execJournalConcProg), it checks for the record having the returned request ID in interface table and indicates an error during import. In this case, this service calls getJournalImport_ERR to retrieve the errors. If no record is found, it comes out of the flow indicating success of the data

import process. If the status of the execution is FAILED it returns appropriate error message and comes out of execution.

■ **execJournalConcProg** invokes the stored procedure Wm_Journal_Imp_Handler_Pkg.WM_HANDLE_JOURNAL that calls the corresponding concurrent subroutine to execute the data import process for Journal Entry into Oracle Applications. This service outputs the status of the execution and the request ID that has been generated for the request posted in Oracle Applications for the concurrent program.

■ **checkJournalImportStatus** checks the status of the execution return by callJournalImport. It returns the number of rows in the interface table for a specific request ID.

■ **getJournalImport_ERR** gets the error message that occurs during the data import to the production table from interface table. Based on the parameter request ID, it scans table fnd_new_messages to get the corresponding message matches to the request ID.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document JournalBizDoc. Its structure is as follows:

■ GL

GL (Maps to GL_INTERFACE)

Field Name	Maps to Column	Description
SET_OF_BOOKS_SHORT_NAME	SET_OF_BOOKS_ID	Required. Accounting books defining column. Mapping required from GL_SETS_OF_BOOKS table.
ACCOUNTING_DATE	ACCOUNTING_DATE	Required. Effective date of the transaction; maps directly.
CURRENCY_CODE	CURRENCY_CODE	Required. Currency code. This field maps directly.
DATE_CREATED	DATE_CREATED	Required. System date. DATE_CREATED from a business document is not used.
CREATED_BY	CREATED_BY	Default. CREATED_BY from a business document is not used.

Field Name	Maps to Column	Description
ACTUAL_FLAG	ACTUAL_FLAG	Required. Balance type (actual, budget, or encumbrance). This field directly.
CATEGORY_NAME	USER_JE_CATEGORY_NAME	Required. Journal entry category user defined name. This field maps directly.
SOURCE_NAME	USER_JE_SOURCE_NAME	Required. Journal entry source user defined name. This field maps directly.
CURRENCY_CONVERSION_ DATE	CURRENCY_CONVERSION_ DATE	Date of exchange rate. This field maps directly.
ENCUMBRANCE_TYPE	ENCUMBRANCE_TYPE_ID	Encumbrance type defining column; mapping required from GL_ENCUMBRANCE_TYPE table.
BUDGET_NAME	BUDGET_VERSION_ID	Budget version defining column; mapping required from GL_BUDGET_VERSIONS.
USER_CURRENCY_ CONVERSION_TYPE	USER_CURRENCY_ CONVERSION_TYPE	Currency conversion type; maps directly.
CURRENCY_CONVERSION_ RATE	CURRENCY_CONVERSION_ RATE	Foreign currency exchange rate; maps directly.
ENTERED_DR	ENTERED_DR	Transaction debit amount. Entered currency; maps directly.
ENTERED_CR	ENTERED_CR	Transaction credit amount. Entered currency. This field maps directly.
ACCOUNTED_DR	ACCOUNTED_DR	Transaction debit amount. Base currency. This field maps directly.
ACCOUNTED_CR	ACCOUNTED_CR	Transaction credit amount. Base currency. This field maps directly.
REFERENCE	REFERENCE1	Journal import reference column, which is the batch name for the journal. This field maps directly.
BATCH_NAME		Journal entry batch defining column. Not used.

Field Name	Maps to Column	Description
PERIOD_NAME	PERIOD_NAME	Period name. This field maps directly.
ACCOUNT_CODE	CODE_COMBINATION_ID	Combination defining column; mapping required from GL_CODE_COMBINATIONS table.
STAT_AMOUNT	STAT_AMOUNT	Statistical amount. This field maps directly.
INVOICE_DATE	INVOICE_DATE	DATE value-added tax descriptive flexfield column. This field maps directly.
TAX_CODE	TAX_CODE	Value-added tax descriptive flexfield column. This field maps directly.
INVOICE_IDENTIFIER	INVOICE_IDENTIFIER	Value-added tax descriptive flexfield column. This field maps directly.
INVOICE_AMOUNT	INVOICE_AMOUNT	Value-added tax descriptive flexfield column. This field maps directly.
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	Government transaction code. This field maps directly.
JGZZ_RECON_REF	JGZZ_RECON_REF	Global reconciliation reference. This field maps directly.
AVERAGE_JOURNAL		Average journal flag. This field is not used.
ORIGINATING_BAL_SEGMENT _VALUE	ORIGINATING_BAL_SEG_ VALUE	Originating balancing segment value. This field maps directly.

Receive Mass Additions Service

The name of this service is:

WmOAFIN1159.fixedAssets1159.intoOA.massAdditions:receiveMassAdditions

This service monitors the import process.

This service creates assets automatically from other systems. Oracle Assets is already integrated with Oracle Payables, so it can integrate with other payables systems. If multiple distributions exists for an asset, you must enter them using the Assignments window for Assets in Oracle Applications.

While submitting the Post Mass Addition concurrent program to load the Mass Additions records from interface tables to production tables, you cannot restrict the processing only to the records uploaded by this service. The input parameter for the program, Asset Book Name, drives the program to process all the unprocessed records in the interface table matching that Book Name. The concurrent program generates errors even in partially successful processing conditions. Therefore, the concurrent program can throw an exception even if it is successful in loading the records for the instance of the flow. The failure may be due to the other records that are attempting to process. The correct status of the records related to the instance of the flow can be found in the errorsDoc/ERROR_MESSAGE, which indicates the number of records processed successfully. Since no interface error table exists for storing the error records, you must review the concurrent request outputs to find the actual problem.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_massadditions.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_massadditions_pkg.sql	Installs WM_FA_MASSADD_IMP_HANDLER_PKG. WM_HANDLE_FA_MASSADD, which calls the WM_CONC_REQUEST.WM_REQUEST_ SUBMIT procedure to submit the mass additions concurrent process.

Database Script	Description
wm_into_massadditions_seq.sql	Creates the following components: ■ WM_FA_MASSADD_S, which creates the unique Mass Addition ID. ■ WM_FA_CREATEBATCH_S, which creates the Batch ID.
wm_drop_into_massadditions.sql	Uninstalls all components created by wm_install_into_massadditions.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ MassAdditionsTransactions1159.txp

■ setMassAdditionsTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **pickSequence** is a transformer for mapping the business document IData structure to the interface table IData structure. It picks up a new sequence number for BATCH_ID from the sequence WM_FA_CREATEBATCH_S.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (interface tables).

　　■ **pickSequence** is a transformer for mapping the business document IData structure to the interface table IData structure. It picks up a new sequence number for MASS_ADDITION_ID from the sequence WM_FA_MASSADD_S.

- ■ **getAssetCategoryId** is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the Asset Category ID for the Asset Category Description in the Business Document.

- ■ **getCodeCombinationId** for Payables Code Combination ID and Expense Code Combination ID is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the Payables Code Combination ID for the Payables Account Code Concatenated Segments information in the Business Document.

- ■ **getLocationCodeCombinationId** is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the LOCATION_ID for the Concatenated Location information in the Business Document.

- ■ **getEmpIldFromFullName** is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the ASSIGNED_TO ID for the ASSIGNED_TO_NAME provided in the Business Document.

- ■ **getAdditionalAssetId** is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the PARENT_ASSET_ID for the PARENT_ASSET_NUMBER provided in the Business Document.

- ■ **getAssetKeyCCId** is a transformer for mapping the business the business document IData structure to the interface table IData structure. It selects the ASSET_KEY_CCID for the ASSET_KEY_ACCOUNT_CODE Concatenated Segments information provided in the Business Document.

■ **setMassAdditionsTxn** inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for FA Mass Additions Interface Table.

■ **importMassAdditions** imports data to the production table from the interface table. This service then calls the execMassAddConcProg services. It also checks the MassAddImportStatus to execute the corresponding concurrent program that inserts data into the production table to generate the error or acknowledgement message. If the status of the execution is FAILED, it indicates that the Concurrent Program failed to execute. For Mass Additions Transaction, even if one particular record fails the concurrent program raises an exception. Therefore, to find the records that posted successfully by the concurrent program, use the getMassAddPostedStatus service to query the number of records which have been posted successfully for the particular Asset Book Name of the flow instance. Similarly, the getMassAddNotPosted service queries the number of records not posted for that particular Asset Book Name of the flow instance. This information is returned in the errorsDoc Recordlist with ConcProgMsg and dbErrorMsg. The errorsDoc Record list contains the data error returned by the concurrent program. The ConcProgMsg contains the Concurrent Program execution status and dbErrorMsg contains the Database Exceptions, if any, returned by the Concurrent Program Execution.

- **execMassAddConcProg** invokes the stored procedure WM_FA_MASSADD_IMP_HANDLER_PKG which calls the corresponding concurrent subroutine to execute the data import process for FA Mass Additions data into Oracle Applications. This service provides Status, Request ID, Execution Status Message (for normal concurrent program completion) and database Stored Procedure error message if an exception occurs during the Stored Procedure execution.

- **getMassAddNotPostedStatus** checks the number of records not posted successfully for a particular Asset Book Name. This service also checks the null condition for queryParams (same as all other services which are being used in transformers). If a null value is passed to queryParams, this service exits.

- **getMassAddPostedStatus** checks the number of records posted successfully for a particular Asset Book Name. This service also checks the null condition for queryParams (same as all other services which are being used in transformers). If a null value is passed to queryParams, this service exits.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document MassAddtionsBizDoc. Its structure is as follows:

- MASS_ADDITIONS_HEADER

MASS_ADDITIONS_HEADER (Maps to FA_MASS_ADDITIONS)

Field Name	Maps to Column	Description
ACCOUNTING_DATE	ACCOUNTING_DATE	Required. Accounting date of the invoice.
AP_DISTRIBUTION_LINE_ NUMBER	AP_DISTRIBUTION_LINE_ NUMBER	Line number in payables distribution.
ASSET_CATEGORY_ DESCRIPTION	ASSET_CATEGORY_ID	Required. Derived from the Oracle Applications view FA_CATEGORIES_VL. See the fixedAssets1159.intoOA.massAdditions.utils:getCategoryId transformer.

Field Name	Maps to Column	Description
ASSET_KEY_ACCOUNT_CODE	ASSET_KEY_CCID	Validated against GL_CODE_COMBINATIONS_KFV. See the fixedAssets1159.intoOA.massAdditions.utils:getAssetKeyCCId transformer.
ASSET_NUMBER	ASSET_NUMBER	Used for asset numbering. If this field is blank, it assigns an Asset Number.
ASSET_TYPE	ASSET_TYPE	Required. Type of asset. Valid values are CAPITALIZED, CIP, and EXPENSED
ASSIGNED_TO_NAME	ASSIGNED_TO	Derives the Employee ID from FA_EMPLOYEES. See the commonOA1159.utils:getEmplIdFromFullName transformer.
BOOK_TYPE_CODE	BOOK_TYPE_CODE	Required. Choose a CORPORATE type book that has been defined in FA_BOOK_CONTROLS.
CONTEXT	CONTEXT	Gets the date when loaded into Assets.
DATE_PLACED_IN_SERVICE	DATE_PLACED_IN_SERVICE	Required. Date the asset was placed into service.
DEPRECIATE_FLAG	DEPRECIATE_FLAG	Required. Indicates whether Oracle Assets should depreciate this asset.
DEPRN_RESERVE	DEPRN_RESERVE	Accumulated depreciation of this asset as in the General Ledger.
DESCRIPTION	DESCRIPTION	Required. Description of the asset.
DIST_NAME	DIST_NAME	Required. Distribution set name.
EXPENSE_ACCOUNT_CODE	EXPENSE_CODE_COMBINATION_ID	Required. GL code to which the depreciation expense should be charged. Code combination ID from GL_CODE_COMBINATIONS_KFV. See the commonOA1159.utils:getCodeCombinationId transformer.

Field Name	Maps to Column	Description
FEEDER_SYSTEM_NAME	FEEDER_SYSTEM_NAME	Name of the source system for interfacing.
FIXED_ASSETS_COST	FIXED_ASSETS_COST	Required.
FIXED_ASSET_UNITS	FIXED_ASSETS_UNITS	Required. Number of units that make up the asset.
FULLY_RSVD_REVALS_ COUNTER	FULLY_RSVD_REVALS_ COUNTER	Number of times the asset has been revalued.
INVENTORIAL	INVENTORIAL	Required. Use either a Y or N to indicate if this asset should be included in physical inventory.
INVOICE_NUMBER	INVOICE_NUMBER	Payables invoice number.
LAST_UPDATE_DATE	LAST_UPDATE_DATE	Required. Date the asset was loaded.
CONCATENATED_LOCATION	LOCATION_ID	Required. Location ID is derived from FA_LOCATIONS. The location of an asset is stored in this table. See the commonOA1159.utils:getLocationCodeCombination transformer.
MANUFACTURER_NAME	MANUFACTURER_NAME	
MERGE_INVOICE_NUMBER	MERGE_INVOICE_NUMBER	Set to the invoice number for unmerged lines.
MERGE_VENDOR_NUMBER	MERGE_VENDOR_NUMBER	Set to vendor number for unmerged lines.
MODEL_NUMBER	MODEL_NUMBER	Model number of the asset.
PARENT_ASSET_NUMBER	PARENT_ASSET_ID	Use if this asset is a component of another parent Asset. Derived from FA_ADDITIONS_B. See the fixedAssets1159.intoOA.massAdditions.utils:getAdditionalAssetId transformer.
PAYABLES_ACCOUNTC_CODE	PAYABLES_CODE_ COMBINATION_ID	Required. Code combination for the asset clearing account assigned to the asset category. See the commonOA1159.utils:getCodeCombinationId transformer.

Field Name	Maps to Column	Description
PAYABLES_COST	PAYABLES_COST	Required. Original cost of the asset.
PAYABLES_UNITS	PAYABLES_UNITS	Required. Number of units that make up the asset.
PO_NUMBER	PO_NUMBER	Purchase order number of the asset.
PRODUCTION_CAPACITY_ NUMBER	PROUCTION_CAPACITY_ NUMBER	Capacity of units of a production asset.
REVAL_AMORTIZATION_ BASIS	REVAL_AMORTIZATION_ BASIS	For the basis for amortization of revaluation reserve.
REVAL_RESERVE	REVAL_RESERVE	Revaluation reserve of a revalued asset.
REVIEWER_COMMENTS	REVIEWER_COMMENTS	Details about the asset.
SALVAGE_VALUE	SALVAGE_VALUE	Salvage value of the asset.
SERIAL_NUMBER	SERIAL_NUMBER	Serial number of the asset
TAG_NUMBER	TAG_NUMBER	
UNIT_OF_MEASURE	UNIT_OF_MEASURE	Unit of measure of a production asset. If this field is blank, Oracle Assets uses the unit of measure from the asset category.
UNREVALUE_COST	UNREVALUED_COST	Cost without regard to any revaluation of a revalued asset.
YTD_DEPRN	YTD_DEPRN	Year-to-date depreciation.
YTD_REVAL_DEPRN_EXPENSE	YTD_REVAL_DEPRN_EXPENSE	Year-to-date depreciation expense due to revaluation.

Send Accounts Payable Invoice Service

The name of this service is:

WmOAFIN1159.payables1159.fromOA.APInvoice:sendAPInvoice

This service retrieves new or changed approved invoice records only. You set up Accounts Payable Invoices in Oracle Applications Payables to record invoice-related information.

There is no deletion of payments defined in Oracle Applications; therefore the document status of DELETE does not apply in this case. However, since Oracle Applications does not maintain the Invoice Approval History, the first approval for an invoice cannot be distinguished from subsequent invoices; therefore a business document is created with the document status of UPDATE. The document status of INSERT does not apply.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_apinvoice.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_apinvoice_vw.sql	Creates all required view components for AP Invoice outbound transactions: ■ WM_AP_INVOICES_VW ■ WM_AP_INVOICES_LINES_VW ■ WM_AP_INVOICES_QRY_VW
wm_from_apinvoice_trg.sql	Creates the following trigger component to be used for writing to the WM_TRACKCHANGES table to indicate a new or updated document: ■ WM_AP_INVOICE_DIST_IU_TRG
wm_disable_from_apinvoice.sql.	Disables the triggers installed by wm_from_apinvoice_trg.sql.
wm_enable_from_apinvoice.sql	Re-enables the triggers installed by wm_from_apinvoice_trg.sql.
wm_drop_from_apinvoice.sql	Uninstalls all components created by wm_install_from_apinvoice.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getAPInvoiceTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the Send Accounts Payable Invoice service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

  ■ If lockTxnCtrl returns False, it means that another instance of this service is already in process. The service exits and waits for next scheduled execution.

  ■ If lockTxnCtrl returns True, it means that the service is ready to execute. The APInvoice row in the control table is locked and updated so that the status is changed to INPROCESS to prevent another APInvoice service from executing.

■ **getAPInvoiceTxn** queries the Oracle Applications database for any APInvoice Transactions that need to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** sends the business document to the recipient, such as a trading partner, by looping against each document. You need to customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the Error information. The Transfer Status and any Error Information log against each document.

■ Loop against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

  ■ If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that the same sets of records are not picked up during the next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and PROCESSED_DATE to sysdate, so that same information is not picked up again during next polling instance.

  ■ If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted; **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

- Loop against each document and based on the Transfer Status, **insertTransferERRInfo** inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

- **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendVendor service can begin.

- **getLastError** logs any errors in the above steps.

- **unlockTxnCtrl** service executes to release the lock on the Custom Control table.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

The service uses the following business document structure:

- 1.0 APINVOICE

  - 1.1 APINVOICE_LINES

1.0 APINVOICE

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Value is AP_INVOICES.
DOCUMENT_STATUS			Value is UPDATE or INSERT.
INVOICE_ID	AP_INVOICES_ALL	INVOICE_ID	Unique identifier for an invoice.
INVOICE_NUM	AP_INVOICES_ALL	INVOICE_NUM	Invoice number.
INVOICE_TYPE	AP_INVOICES_ALL	INVOICE_TYPE	The invoice type. Use Standard or Credit Memo.
INVOICE_DATE	AP_INVOICES_ALL	INVOICE_DATE	Invoice date.
PO_NUMBER	AP_INVOICES_PKG.GET_PO_NUMBER	INVOICE_ID	Purchase order number.
VENDOR_NUMBER	PO_VENDORS	SEGMENT1	Vendor number.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Name of vendor
VENDOR_SITE_ADDRESS_ LINE1	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE1	Address of the vendor site. Derives the Vendor Site ID from the interface table.
VENDOR_SITE_ADDRESS_ LINE2	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE2	
VENDOR_SITE_ADDRESS_ LINE3	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE3	
VENDOR_TOWN_OR_CITY	PO_VENDOR_ SITES_ALL	CITY	
VENDOR_COUNTY	PO_VENDOR_ SITES_ALL	COUNTY	
VENDOR_STATE	PO_VENDOR_ SITES_ALL	STATE	
VENDOR_POSTAL_CODE	PO_VENDOR_ SITES_ALL	ZIP	
VENDOR_COUNTRY	PO_VENDOR_ SITES_ALL	COUNTRY	
INVOICE_AMOUNT	AP_INVOICES_ ALL	INVOICE_ AMOUNT	
INVOICE_CURRENCY_CODE	AP_INVOICES_ ALL	INVOICE_ CURRENCY_ CODE	
EXCHANGE_RATE	AP_INVOICES_ ALL	EXCHANGE_ RATE	Exchange Rate for foreign currency invoices.
EXCHANGE_RATE_TYPE	AP_INVOICES_ ALL	EXCHANGE_ RATE_TYPE	Example values: Corporate or User.
TERMS_NAME	AP_INVOICES_ ALL	TERMS_NAME	Payment terms name.
EXCHANGE_RATE_DATE	AP_INVOICES_ ALL	EXCHANGE_ RATE_DATE	Date on which the exchange rate will be taken
DESCRIPTION	AP_INVOICES_ ALL	DESCRIPTION	Description of invoice.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
AWT_GROUP_NAME	AP_AWT_GROUPS	NAME	Withholding tax name.
SOURCE	AP_INVOICES_ALL	SOURCE	Source of the invoice.
PAYMENT_CROSS_RATE_TYPE	AP_INVOICES_ALL	PAYMENT_CROSS_RATE_TYPE	Cross currency payment rate type.
PAYMENT_CROSS_RATE_DATE	AP_INVOICES_ALL	PAYMENT_CROSS_RATE_DATE	Cross currency payment rate date.
PAYMENT_CROSS_RATE	AP_INVOICES_ALL	PAYMENT_CROSS_RATE	Exchange rate between invoice and payment; usually value is 1 unless they are associated fixed-rate currencies.
PAYMENT_CURRENCY_CODE	AP_INVOICES_ALL	PAYMENT_CURRENCY_CODE	Cross currency payment currency.
WORKFLOW			Required for inbound transactions only. Use: Y for To be Processed S for Processing D for Processed NULL for Not Applicable
DOC_CATEGORY_CODE	AP_INVOICES_ALL	DOC_CATEGORY_CODE	Defaults to Standard or Credit depending on the invoice type. You can assign a valid document category that exists in Accounts Payable.
VOUCHER_NUM	AP_INVOICES_ALL	VOUCHER_NUM	
PAYMENT_METHOD_LOOKUP_CODE	AP_INVOICES_ALL	PAYMENT_METHOD_LOOKUP_CODE	Name of payment method.
PAY_GROUP_LOOKUP_CODE	AP_INVOICES_ALL	PAY_GROUP_LOOKUP_CODE	Name of pay group.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
GOODS_RECEIVED_DATE	AP_INVOICES_ ALL	GOODS_ RECEIVED_DAT E	Date invoice items received.
INVOICE_RECEIVED_DATE	AP_INVOICES_ ALL	INVOICE_ RECEIVED_ DATE	Date invoice received.
GL_DATE	AP_INVOICES_ ALL	GL_DATE	Accounting date default for invoice distributions.
LIABILITY_ACCOUNT	GL_CODE_COM BINATIONS_KF V	CONCATENATE D_SEGMENTS	The Accounts Code Combination derives the Accounts Payable Liability GL Code Combination ID.
USSGL_TRANSACTION_CODE	AP_INVOICES_ ALL	USSGL_ TRANSACTION _CODE	Default transaction code for creating US Standard General Ledger journal entries.
EXCLUSIVE_PAYMENT	AP_INVOICES_ ALL	EXCLUSIVE_PA YMENT	
ORGANIZATION_NAME	HR_ALL_ORGA NIZATION_ UNITS_TL	NAME	Organization Name derives the ORG_ID from Organizations Definitions.
AMOUNT_APPLICABLE_TO_ DISCOUNT	AP_INVOICES_ ALL	AMOUNT_ APPLICABLE_ TO_DISCOUNT	Amount of invoice applicable to a discount.
PREPAY_NUM			Required for inbound transactions only. The invoice number of an existing, fully paid prepayment to be applied to the imported invoice.
PREPAY_DIST_NUM			Required for inbound transactions only. The distribution of an existing prepayment. This distribution will be applied to the imported invoice.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
PREPAY_APPLY_AMOUNT			Required for inbound transactions only. The amount of prepayment that the user wants to apply to the invoice. This amount must be positive.
PREPAY_GL_DATE			Required for inbound transactions only. The accounting date for the prepayment application. If left null, the invoice GL_DATE is used.

1.1 APINVOICE_LINES

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
INVOICE_ID	AP_INVOICE_ DISTRIBUTIONS _ALL	INVOICE_ID	Unique identifier for an invoice.
LINE_NUMBER	AP_INVOICE_ DISTRIBUTIONS _ALL	LINE_NUMBER	Invoice line number.
LINE_TYPE	AP_INVOICE_ DISTRIBUTIONS _ALL	LINE_TYPE	Type of invoice line. Example values are Item, Freight, Tax, or Miscellaneous.
LINE_GROUP_NUMBER	AP_INVOICE_ DISTRIBUTIONS _ALL	LINE_GROUP_ NUMBER	Prorates charges across a group of lines.
AMOUNT	AP_INVOICE_ DISTRIBUTIONS _ALL	AMOUNT	Line amount.
ACCOUNTING_DATE	AP_INVOICE_ DISTRIBUTIONS _ALL	ACCOUNTING_ DATE	
DESCRIPTION	AP_INVOICE_ DISTRIBUTIONS _ALL	DESCRIPTION	

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
AMOUNT_INCLUDES_TAX_ FLAG	AP_INVOICE_D ISTRIBUTIONS_ ALL	AMOUNT_INCL UDES_TAX_ FLAG	Indicates whether the line amount includes tax.
TAX_CODES	AP_TAX_CODES _ALL	TAX_CODES	Validated against AP_TAX_CODES.NAME.
PRORATE_ACROSS_FLAG			Indicates whether to prorate charges across a group of lines. Used for inbound transactions only.
PO_NUMBER	PO_HEADERS_ ALL	SEGMENT1	Purchase order number for PO matching.
PO_LINE_NUMBER	PO_LINES_ALL	LINE_NUM	Purchase order line number for PO matching.
PO_SHIPMENT_NUM	PO_LINE_ LOCATIONS_ ALL	SHIPMENT_ NUM	Purchase order shipment number for PO matching.
PO_DISTRIBUTION_NUM	PO_ DISTRIBUTIONS _ALL	DISTRIBUTION_ NUM	Purchase order distribution line number for PO matching.
PO_UNIT_OF_MEASURE	PO_LINES_ALL	UNIT_MEAS_ LOOKUP_CODE	Unit of measure on purchase order line.
ITEM_DESCRIPTION	MTL_SYSTEM_ ITEMS	DESCRIPTION	
QUANTITY_INVOICED	AP_INVOICE_ DISTRIBUTIONS _ALL	QUANTITY_ INVOICED	Quantity invoiced against purchase order shipment.
SHIP_TO_LOCATION_ ADDRESS_LINE1	HR_ LOCATIONS	ADDRESS_LINE 1	Derives the Location ID based on the Ship To Location Address.
SHIP_TO_LOCATION_ ADDRESS_LINE2	HR_ LOCATIONS	ADDRESS_ LINE2	
SHIP_TO_LOCATION_ ADDRESS_LINE3	HR_LOCATION S	ADDRESS_LINE 3	
SHIP_TO_LOCATION_ TOWN_OR_CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
SHIP_TO_LOCATION_ COUNTY	HR_ LOCATIONS	REGION_1	

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
SHIP_TO_LOCATION_ STATE	HR_ LOCATIONS	REGION_2	
SHIP_TO_LOCATION_POSTAL_ CODE	HR_ LOCATIONS	POSTAL_CODE	
SHIP_TO_LOCATION_ COUNTRY	HR_ LOCATIONS	COUNTRY	
UNIT_PRICE	AP_INVOICE_ DISTRIBUTIONS _ALL	UNIT_PRICE	Unit price for purchase order matched invoice items.
DISTRIBUTION_SET_NAME			Used for inbound transactions only.
DIST_CODE_CONCATENATED	GL_CODE_COM BINATIONS_ KFV	CONCATENATE D_SEGMENTS	Account flexfield for account associated with distribution line.
AWT_GROUP_NAME	AP_AWT_ GROUPS	NAME	Withholding tax group name.
RELEASE_NUM	PO_HEADERS_ ALL	REVISION_ NUM	BLANKET Purchase Order Release Number used for PO matching
ACCOUNT_SEGMENT			Indicates that balancing segment in the account is to be overridden. Used for inbound transactions only.
BALANCING_SEGMENT			Indicates that balancing segment is to be overridden. Used for inbound transactions only.
COST_CENTER_SEGMENT			Indicates Cost Center in the account is to be overridden. Used for inbound transactions only.
PROJECT_NAME	PA_PROJECTS_ ALL	SEGMENT1	Project name is validated against PA_PROJECTS_ALL.NAME.
TASK	PA_TASKS	TASK_NAME	Project Task Name is validated against PA_TASKS.

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
EXPENDITURE_TYPE	AP_INVOICE_ DISTRIBUTIONS _ALL	EXPENDITURE_ TYPE	Project expenditure type.
EXPENDITURE_ITEM_DATE	AP_INVOICE_ DISTRIBUTIONS _ALL	EXPENDITURE_ ITEM_DATE	Project expenditure item date.
EXPENDITURE_ ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS_TL	NAME	Project organization name.
PROJECT_ACCOUNTING_ CONTEXT	AP_INVOICE_ DISTRIBUTIONS _ALL	PROJECT_ ACCOUNTING_ CONTEXT	Project accounting context.
PA_ADDITION_FLAG	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_ADDITION_ FLAG	Whether the invoice is for a project.
PA_QUANTITY	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_QUANTITY	
USSGL_TRANSACTION_CODE	AP_INVOICE_ DISTRIBUTIONS _ALL	USSGL_ TRANSACTION _CODE	USSGL transaction code for creating US Standard General Ledger journal entries.
STAT_AMOUNT	AP_INVOICE_ DISTRIBUTIONS _ALL	STAT_AMOUNT	Amount associated with distribution line for measuring statistical quantities.
TYPE_1099	AP_INVOICE_ DISTRIBUTIONS _ALL	TYPE_1099	
INCOME_TAX_REGION_NAME	AP_INCOME_ TAX_REGIONS	REGION_LONG _NAME	Reporting region for distribution line for 1099 supplier.
RECEIPT_NUMBER	RCV_ SHIPMENT_ HEADERS	RECEIPT_NUM	Receipt number used for receipt matching.
RECEIPT_LINE_NUM	RCV_ SHIPMENT_ LINES	LINE_NUM	Receipt line number to which an invoice will be matched.

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
RCV_TRANSACTION_ID	AP_INVOICE_ DISTRIBUTIONS _ALL	RCV_ TRANSACTION _ID	Transaction identifier from RCV_TRANSACTIONS.
PA_CC_AR_INVOICE_ID	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_CC_AR_ INVOICE_ NUMBER	Project accounting invoice number validated against AR_CUSTOMER_TRX_ALL. TRX_NUMBER.
PA_CC_AR_INVOICE_LINE_ NUMBER	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_CC_AR_ INVOICE_LINE_ NUMBER	Project accounting invoice line number.
PA_REFERENCE1	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_ REFERENCE1	
PA_REFERENCE2	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_ REFERENCE2	
PA_CC_PROCESSED_CODE	AP_INVOICE_ DISTRIBUTIONS _ALL	PA_CC_ PROCESSED_C ODE	
MATCH_OPTION	PO_LINE_ LOCATIONS_ ALL	MATCH_ OPTION	The value of the invoice match option on the PO shipment.
PACKING_SLIP	RCV_ SHIPMENT_ HEADERS	PACKING_SLIP	
TAX_RECOVERY_RATE	AP_INVOICE_ DISTRIBUTIONS _ALL	TAX_ RECOVERY_ RATE	Tax recovery rate to be used in the tax calculation whenever recoverable tax is enabled.
TAX_RECOVERY_OVERRIDE_ FLAG	AP_INVOICE_D ISTRIBUTIONS_ ALL	TAX_ RECOVERY_ OVERRIDE_ FLAG	
TAX_RECOVERABLE_FLAG	AP_INVOICE_ DISTRIBUTIONS _ALL	TAX_RECOVER ABLE_FLAG	

Document Field	Oracle Applications Table/View/ Name	Column Name	Description
TAX_OVERRIDE_FLAG	AP_INVOICE_DISTRIBUTIONS_ALL	TAX_OVERRIDE_FLAG	
CREDIT_CARD_TRX_ID	AP_INVOICE_DISTRIBUTIONS_ALL	CREDIT_CARD_TRX_ID	Credit card transaction identifier.
AWARD_NAME	GMS_AWARDS_ALL	AWARD_FULL_NAME	
ASSET_TRACKING_FLAG	AP_INVOICE_DISTRIBUTIONS_ALL	ASSET_TRACKING_FLAG	
PRICE_CORRECTION_FLAG	AP_INVOICE_DISTRIBUTIONS_ALL	PRICE_CORRECTION_FLAG	Indicates whether price adjustment was done.

Send Accounts Payable Payment Service

The name of this service is:

WmOAFIN1159.payables1159.fromOA.APPayment:sendAPPayment

This service retrieves new or changed confirmed invoice records only. You set up Accounts Payable Invoices in Oracle Applications Payables to record invoice-related information.

There is no deletion of payments defined in Oracle Applications; therefore the document status of DELETE does not apply in this case. However, since Oracle Applications does not maintain the Invoice Approval History, the first approval for an invoice cannot be distinguished from subsequent invoices; therefore a business document is created with the document status of INSERT or UPDATE.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_appayment.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_ap_payment_vw.sql	Creates all required view components for AP Payments outbound transactions: ■ WM_AP_CHECKS_VW ■ WM_AP_INVOICE_PAYMENTS_VW ■ WM_AP_CHECKS_QRY_VW
wm_from_ap_payment_trg.sql	Creates the following required trigger component: ■ WM_AP_PAYMENTS_IU_TRG
wm_disable_from_appayment.sql	Disables the triggers installed by wm_from_appayment_trg.sql.
wm_enable_from_appayment.sql	Re-enables the triggers installed by wm_from_appayment_trg.sql.
wm_drop_from_appayment.sql	Uninstalls all components created by wm_install_from_appayment.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■   getAPPaymentTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **lockTxnCtrl** determines whether the sendAPPayment service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

  - If lockTxnCtrl returns False, it indicates that another instance of this service is already in process. The service exits and waits for next scheduled execution.

  - If lockTxnCtrl returns true, the service is ready to execute. It locks and updates the APPayment row in the control table e so that it changes the status to INPROCESS to prevent any other APPayment service from executing.

- **getAPPaymentTxn** service queries the Oracle Applications database for any APPayment Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

- **processBizDoc** sends the business document to the recipient such as a trading partner by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the Error information. The Transfer Status and any Error Information logs against each document.

- Loop against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES table.

  - If the Debug Mode is TRUE, it updates the records in the WM_TRACKCHANGES table and sets the PROCESSED_FLAG is set to Y. This ensures that it does not pick up the same sets of records during next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and sets PROCESSED_DATE to sysdate so that same information is not picked up again during next polling instance.

  - If the Debug Mode is FALSE, then it deletes the records in the WM_TRACKCHANGES table. The **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

- Loop against each document. Based on the Transfer Status, **insertTransferERRInfo** inserts a new record in the WM_TRACKCHANGES table so that it picks up the same document during the next polling interval.

■ **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendVendor service can begin.

■ **getLastError** logs any errors occurring in the above steps. The **unlockTxnCtrl** service executes to release the lock on the Custom Control table.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the following business structure:

■ 1.0 AP_CHECKS

    ■ 1.1 AP_INVOICE_PAYMENTS

1.0 AP_CHECKS

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use the value AP_PAYMENT.
DOCUMENT_STATUS			Valid values are UPDATE, INSERT, and QUERY.
CHECK_ID	AP_CHECKS_ALL	CHECK_ID	Unique payment identifier.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATION_ UNITS_TL	NAME	
CHECK_NUMBER	AP_CHECKS_ALL	CHECK_NUMBER	
CURRENCY_CODE	AP_CHECKS_ALL	CURRENCY_CODE	
AMOUNT	AP_CHECKS_ALL	AMOUNT	
CHECK_DATE	AP_CHECKS_ALL	CHECK_DATE	
BATCH_NAME	AP_CHECKS_ALL	CHECKRUN_NAME	
CHECK_VOUCHER_NUM	AP_CHECKS_ALL	CHECK_VOUCHER _NUM	
CHECK_STATUS	AP_LOOKUP_ CODES	DISPLAYED_FIELD	
CLEARED_AMOUNT	AP_CHECKS_ALL	CLEARED_ AMOUNT	

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
CLEARED_BASE_ AMOUNT	AP_CHECKS_ALL	CLEARED_BASE_ AP_CHECKSAMOU NT	
CLEARED_DATE	AP_CHECKS_ALL	CLEARED_DATE	
CLEARED_EXCHANGE_ DATE	AP_CHECKS_ALL	CLEARED_ EXCHANGE_DATE	
CLEARED_EXCHANGE_R ATE	AP_CHECKS_ALL	CLEARED_ EXCHANGE_RATE	
CLEARED_EXCHANGE_R ATE_TYPE	AP_CHECKS_ALL	CLEARED_ EXCHANGE_RATE_ TYPE	
VOID_DATE	AP_CHECKS_ALL	VOID_DATE	
MATURITY_EXCHANGE_ DATE	AP_CHECKS_ALL	MATURITY_ EXCHANGE_DATE	Date maturity exchange rate is effective. Usually the maturity date for the payment.
MATURITY_EXCHANGE_ RATE_TYPE	AP_CHECKS_ALL	MATURITY_ EXCHANGE_ RATE_TYPE	Exchange rate type at future dated payment maturity time. For foreign currency payment only.
MATURITY_EXCHANGE_ RATE	AP_CHECKS_ALL	MATURITY_ EXCHANGE_RATE	Exchange rate at future dated payment maturity time. For foreign currency payment only.
MATURITY_USER_RATE_ TYPE	GL_DAILY_ CONVERSION_TY PES	USER_ CONVERSION_ TYPE	Exchange rate value entered by user.
VENDOR_NAME	AP_CHECKS_ALL	VENDOR_NAME	Supplier name.
VENDOR_ADDRESS_ LINE1	PO_VENDOR_ SITES_ALL	ADDRESS_LINE1	Supplier address.
VENDOR_ADDRESS_ LINE2	PO_VENDOR_ SITES_ALL	ADDRESS_LINE2	
VENDOR_ADDRESS_ LINE3	PO_VENDOR_ SITES_ALL	ADDRESS_LINE3	
VENDOR_CITY	PO_VENDOR_ SITES_ALL	CITY	

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
VENDOR_COUNTY	PO_VENDOR_ SITES_ALL	COUNTY	
VENDOR_STATE	PO_VENDOR_AP_ CHECKSSITES_ ALL	STATE	
VENDOR_ZIP	PO_VENDOR_AP_ CHECKSSITES_ ALL	ZIP	
VENDOR_COUNTRY	PO_VENDOR_ SITES_ALL	COUNTRY	
BANK_NAME	AP_BANK_ BRANCHES	BANK_NAME	
CURRENT_BANK_ACCO UNT_NAME	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NAME	
BANK_CURRENCY_ CODE	AP_BANK_ ACCOUNTS_ALL	CURRENCY_CODE	
CHECK_STOCK_NAME	AP_CHECK_ STOCKS_ALL	NAME	
PAYMENT_TYPE	AP_LOOKUP_ CODES	DISPLAYED_FIELD	
PAYMENT_METHOD	AP_LOOKUP_ CODES	DISPLAYED_FIELD	
BANK_ACCOUNT_ NAME	AP_CHECKS_ALL	BANK_ACCOUNT_ NAME	
BANK_ACCOUNT_NUM	AP_CHECKS_ALL	BANK_ACCOUNT_ NUM	Payment's bank account number.
BANK_ACCOUNT_TYPE	AP_CHECKS_ALL	BANK_ACCOUNT_ TYPE	
BANK_NUM	AP_CHECKS_ALL	BANK_NUM	Payment's bank number.
BASE_AMOUNT	AP_CHECKS_ALL	BASE_AMOUNT	
PAYMENT_ADDRESS_ STYLE	AP_CHECKS_ALL	ADDRESS_STYLE	Payment's address.
PAYMENT _ADDRESS_LINE1	AP_CHECKS_ALL	ADDRESS_LINE1	

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
PAYMENT _ADDRESS_LINE2	AP_CHECKS_ALL	ADDRESS_LINE2	
PAYMENT _ADDRESS_LINE3	AP_CHECKS_ALL	ADDRESS_LINE3	
PAYMENT_ADDRESS_ LINE4	AP_CHECKS_ALL	ADDRESS_LINE4	
PAYMENT _CITY	AP_CHECKS_ALL	CITY	
PAYMENT _COUNTY	AP_CHECKS_ALL	COUNTY	
PAYMENT _STATE	AP_CHECKS_ALL	STATE	
PAYMENT _ZIP	AP_CHECKS_ALL	ZIP	
PAYMENT _COUNTRY	AP_CHECKS_ALL	COUNTRY	
DOC_SEQUENCE_NAME	FND_ DOCUMENT_ SEQUENCES	NAME	Payment document sequence name.
DOC_CATEGORY_NAME	FND_DOC _SEQUENCE_ CATEGORIES	NAME	Payment document category name.
EXCHANGE_DATE	AP_CHECKS_ALL	EXCHANGE_DATE	Date exchange rate is effective, which is usually the accounting date of the transaction.
EXCHANGE_RATE	AP_CHECKS_ALL	EXCHANGE_RATE	Exchange rate for foreign currency payment.
EXCHANGE_RATE_TYPE	AP_CHECKS_ALL	EXCHANGE_RATE_ TYPE	Exchange rate for foreign currency payment.
FUTURE_PAY_DUE_ DATE	AP_CHECKS_ALL	FUTURE_PAY_DUE_ DATE	Negotiable date for future dated payment.
RELEASED_DATE	AP_CHECKS_ALL	RELEASED_DATE	Date and time user released stop payment.
RELEASED_BY	AP_CHECKS_ALL	RELEASED_BY	Name of person who released the payment.
STOPPED_DATE	AP_CHECKS_ALL	STOPPED_DATE	Date and time user released the stop payment.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
STOPPED_BY	AP_CHECKS_ALL	STOPPED_BY	Name of person who stopped the payment.
TREASURY_PAY_DATE	AP_CHECKS_ALL	TREASURY_PAY_ DATE	Date payment processed through internal clearing organization.
TREASURY_PAY_ NUMBER	AP_CHECKS_ALL	TREASURY_PAY_ NUMBER	Number assigned to payment processed through internal clearing organization.
USSGL_TRANSACTION_ CODE	AP_CHECKS_ALL	USSGL_ TRANSACTION_CO DE	Transaction code for creating US Standard General Ledger journal entries.
USSGL_TRX_CODE_ CONTEXT	AP_CHECKS_ALL	USSGL_TRX_CODE_ CONTEXT	USSGL Transaction Code Descriptive flexfield context column.
SET_OF_BOOKS_NAME	GL_SETS_OF_ BOOKS	NAME	Name of GL set of books.
CHECK_FORMAT_NAME	AP_CHECK_ FORMATS	NAME	
TERRITORY_SHORT_ NAME	FND_ TERRITORIES_VL	TERRITORY_SHORT _NAME	
USER_RATE_TYPE	GL_DAILYAP_ CONVERSION_ TYPES	USER_ CONVERSION_ TYPE	Rate type entered by user.
POSITIVE_PAY_STATUS_ CODE	AP_CHECKS_ALL	POSITIVE_PAY_ STATUS_CODE	Set by and used by Positive Pay Report to select records.
TRANSFER_PRIORITY	AP_CHECKS_ALL	TRANSFER_ PRIORITY	
EXTERNAL_BANK_ ACCOUNT_NAME	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NAME	
STAMP_DUTY_AMT	AP_CHECKS_ALL	STAMP_DUTY_ AMT	Stamp duty amount.
STAMP_DUTY_BASE_ AMT	AP_CHECKS_ALL	STAMP_DUTY_ BASE_AMT	Stamp duty base amount.
FUTURE_DATED_PAYME NT_FLAG	AP_CHECKS_ALL	FUTURE_PAY_DUE_ DATE	Indicates whether payment has a future date.

Document Field	Oracle Applications Table/View/Package Name	Column Name	Description
DESCRIPTION	AP_CHECKS_ALL	DESCRIPTION	
ANTICIPATED_VALUE_ DATE	AP_CHECKS_ALL	ANTICIPATED_AP_ CHECKSVALUE_AP _CHECKSDATE	Used by Cash Management.
ACTUAL_VALUE_DATE	AP_CHECKS_ALL	ACTUAL_VALUE_A P_CHECKSAP_AP_ CHECKSCHECKSD ATE	Used by Cash Management.

1.1 AP_INVOICE_PAYMENTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
CHECK_ID	AP_INVOICE_ PAYMENTS_ALL	CHECK_ID	Unique payment identifier.
INVOICE_NUM	AP_INVOICES_ALL	INVOICE_NUM	Payment invoice number.
AMOUNT	AP_INVOICE_ PAYMENTS_ALL	AMOUNT	Payment invoiced amount.
ACCOUNTING_DATE	AP_INVOICE_ PAYMENTS_ALL	ACCOUNTING_AP_ INVOICE_ PAYMENTSDATE	AP_INVOICE_PAYMENTS
DESCRIPTION	AP_INVOICES_ALL	DESCRIPTION	
CHECK_DATE	AP_CHECKS_ALL	CHECK_DATE	Payment date.
INVOICE_DATE	AP_INVOICES_ALL	INVOICE_DATE	
ACCRUAL_POSTED_ FLAG	AP_INVOICE_ PAYMENTS_ALL	ACCRUAL_POSTED _FLAG	
ACCTS_PAY_ ACCOUNT_NUMBER	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_ SEGMENTS	Indicates whether the payment has been accounted in accrual set of books.
ASSETS_ADDITION_ FLAG	AP_INVOICE_ PAYMENTS_ALL	ASSETS_ADDITION _FLAG	Indicates whether discounts on invoice payment have been transferred into Oracle Assets.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ASSET_ACCOUNT_ NUMBER	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_S EGMENTS	
BANK_ACCOUNT_ NUM	AP_INVOICE_ PAYMENTS_ALL	BANK_ACCOUNT_ NUM	Bank account number.
BANK_ACCOUNT_ TYPE	AP_INVOICE_ PAYMENTS_ALL	BANK_ACCOUNT_ TYPE	
BANK_NUM	AP_INVOICE_ PAYMENTS_ALL	BANK_NUM	Bank number.
CASH_POSTED_FLAG	AP_INVOICE_ PAYMENTS_ALL	CASH_POSTED_FL AG	
DISCOUNT_LOST	AP_INVOICE_ PAYMENTS_ALL	DISCOUNT_LOST	Amount of discount lost.
DISCOUNT_TAKEN	AP_INVOICE_ PAYMENTS_ALL	DISCOUNT_TAKEN	Amount of discount taken.
EXCHANGE_DATE	AP_INVOICE_ PAYMENTS_ALL	EXCHANGE_DATE	Date for which exchange rate is obtained from daily rates table.
EXCHANGE_RATE	AP_INVOICE_ PAYMENTS_ALL	EXCHANGE_RATE	Exchange rate for a foreign currency payment.
EXCHANGE_RATE_ TYPE	AP_INVOICE_ PAYMENTS_ALL	EXCHANGE_RATE_ TYPE	Exchange rate type for a foreign currency payment.
GAIN_ACCOUNT_ NUMBER	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_S EGMENTS	Account to which realized exchange rate gains are posted.
INVOICE_BASE_ AMOUNT	AP_INVOICE_ PAYMENTS_ALL		Payment amount in functional currency at invoice's exchange rate. Only used for foreign currency invoice payments.
LOSS_ACCOUNT_ NUMBER	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_S EGMENTS	Account to which realized exchange rate losses are posted.
PAYMENT_BASE_ AMOUNT	AP_INVOICE_ PAYMENTS_ALL	PAYMENT_BASE_ AMOUNT	Payment amount at payment's exchange rate. Only used for foreign currency invoice payments.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PAYMENT_NUM	AP_INVOICE_ PAYMENTS_ALL	PAYMENT_NUM	Payment number.
PERIOD_NAME	AP_INVOICE_ PAYMENTS_ALL	PERIOD_NAME	
POSTED_FLAG	AP_INVOICE_ PAYMENTS_ALL	POSTED_FLAG	Indicates whether the payment has been accounted.
SET_OF_BOOKS_NAME	GL_SETS_OF_BOOKS	NAME	
INVOICE_PAYMENT_ TYPE	AP_INVOICE_ PAYMENTS_ALL	INVOICE_ PAYMENT_TYPE	Creation method of a payment, used by Positive Pay feature (Single or Batch).
OTHER_INVOICE_NUM	AP_INVOICES_ALL	OTHER_INVOICE_ NUM	Related invoice number.
CHECK_NUMBER	AP_CHECKS_ALL	CHECK_NUMBER	
CHECK_AMOUNT	AP_CHECKS_ALL	AMOUNT	
CHECK_TYPE	AP_LOOKUP_CODES	DISPLAYED_FIELD	
CHECK_STATUS	AP_LOOKUP_CODES	DISPLAYED_FIELD	
PAYMENT_TYPE	AP_LOOKUP_CODES	DISPLAYED_FIELD	
INVOICE_AMOUNT	AP_INVOICES_ALL	INVOICE_AMOUNT	
AMOUNT_PAID	AP_INVOICES_ALL	AMOUNT_PAID	
EXTERNAL_BANK_ ACCOUNT_NUMBER	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NUM	
APS_EXTRNL_BANK_ ACCOUNT_NUMBER	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NUM	

Send Accounts Receivable Transactions Service

The name of this service is:

WmOAFIN1159.receivables1159.fromOA.ARTransaction:sendARTransaction

This service retrieves new or changed approved invoice records only. You set up Accounts Payable Invoices in Oracle Applications Payables to record invoice-related information.

There is no deletion of payments defined in Oracle Applications; therefore the document status of DELETE does not apply in this case. However, since Oracle Applications does not maintain the Invoice Approval History, the first approval for an invoice cannot be distinguished from subsequent invoices; therefore a business document is created with the document status of INSERT or UPDATE. The document status of DELETE does not apply.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_artrans.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_artrans_vw.sql	Creates the following required view components for outbound AR Transactions: ■ WM_RA_CUSTOMER_TRX_VW ■ WM_RA_CUST_TRX_LINE_GL_DIST_VW ■ WM_RA_CUST_TRX_FREIGHT_VW ■ WM_AR_NOTES_VW ■ WM_RA_CUST_TRX_CHARGES_VW ■ WM_RA_CUSTOMER_TRX_LINES_VWW_RA_CUST_TRX_FREIGHTLINES_VW ■ WM_RA_CUST_TRX_TAXLINES_VW ■ WM_RA_SALESREPS_LINES_VW ■ WM_RA_SALESREPS_DEFAULT_VW ■ WM_RA_CUSTOMER_TRX_QRY_VM,
wm_from_artrans_trg.sql	Creates the following required trigger component: ■ WM_RA_CUSTOMER_TRX_ALL_IU_TRG

Database Script	Description
wm_disable_from_artrans.sql	Disables the triggers installed by wm_from_artrans_trg.sql.
wm_enable_from_artrans.sql	Re-enables the triggers installed by wm_from_artrans_trg.sql.
wm_drop_from_artrans.sql	Uninstalls all components created by wm_install_from_artrans.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getARTransactionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the sendARTransaction service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

   ■ If lockTxnCtrl returns False, it means that another instance of this service is already in process. The service exits, and waits for the next scheduled execution.

   ■ If lockTxnCtrl returns True, it means that the service is ready to execute. It locks the AR Transaction row in the control table and updates it so that the status changes to be INPROCESS. This prevents any other AR Transaction service from executing.

■ **getARTransactionTxn** service queries the Oracle Applications database for any AR Transaction. The number of records returned depends on the parameter value specified in noOfRowsToFetch parameter in the specifyDefaultSettings map.

■ **processBizDoc** sends the business document to a trading partner. You must customize this step to receive a Success or an Error status of the document transfer. The document transfer status information should be sent back to the calling service (sendARTransaction). The document transfer status passed back should have the

document identifiers along with the transfer status of SUCCESS or ERROR and Error information for the particular document which has not been transferred successfully to the trading partner.

■ Loop against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES table.

■ If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same sets of records are not picked up during next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and PROCESSED_DATE to sysdate so that same information is not picked up again during next polling instance.

■ If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. The **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

■ Loop against each document and based on the Transfer Status, **insertTransferERRInfo** inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

■ **unlockTxnCtrl** service releases the lock on the Custom Control table so that next polling instance of sendVendor service can begin.

■ **getLastError** service logs any flow service execution errors in the above steps.

For more details on send transactions, see .

Business Document Structure

The services uses the following business document structure:

■ 1.0 TRANSACTIONS

　■ 1.1 TRANSACTION_LINES

　　■ 1.1.1 TAX_LINES

　　　■**1.1.1.1 GL_DISTRIBUTIONS

　　■ 1.1.2 FREIGHT_LINES

　　　■**1.1.2.1 GL_DISTRIBUTIONS

　　■ 1.1.3 SALES_CREDITS

　　　■**1.1.3.1 GL_DISTRIBUTIONS

　　■ **1.1.4 GL_DISTRIBUTIONS

- 1.2 CHARGES
    - **1.2.1 GL_DISTRIBUTIONS
- 1.3 FREIGHT_LINES
    - **1.3.1 GL_DISTRIBUTIONS
- 1.4 DEFAULT_SALES_CREDITS
- 1.5 NOTES
- **1.6 GL_DISTRIBUTIONS

**All GL Distributions use the same table information. See"GL Distributions" on page 180 for details.

1.0 TRANSACTIONS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			The value is ARTRANSACTION.
DOCUMENT_STATUS			Valid values are UPDATE and INSERT.
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX _ALL	CUSTOMER_TRX_ ID	Customer transaction ID.
AGREEMENT_NAME	RA_CUSTOMER_TRX _ALL	AGREEMENT_ID	The name of the customer agreement.
COMMENTS	RA_CUSTOMER_TRX _ALL	COMMENTS	
CONS_BILLING_NUM	AR_CONS_INV_ALL	CONS_BILLING_ NUM	The number for this consolidated bill. Used for grouping a set of invoices under one bill.
CONVERSION_DATE	RA_CUSTOMER_TRX _ALL	EXCHANGE_DATE	The exchange rate date.
CONVERSION_RATE	RA_CUSTOMER_TRX _ALL	EXCHANGE_RATE	The exchange rate.
CONVERSION_TYPE	RA_CUSTOMER_TRX _ALL	EXCHANGE_RATE_ TYPE	The exchange rate type.

Document Field	Oracle Applications Table/View Name	Column Name	Description
CREDIT_METHOD_FOR_RULES	RA_CUSTOMER_TRX_ALL	CREDIT_METHOD_FOR_RULES	The credit method for crediting a transaction, which uses an accounting rule.
CREDIT_METHOD_FOR_INSTALLMENTS	RA_CUSTOMER_TRX_ALL	CREDIT_METHOD_FOR_INSTALLMENTS	The credit method for crediting a transaction that uses split payment terms.
INVOICE_CURRENCY_CODE	RA_CUSTOMER_TRX_ALL	INVOICE_CURRENCY_CODE	
CUSTOMER_BANK_ACCOUNT_NAME	RA_CUSTOMER_TRX_ALL	CUSTOMER_BANK_ACCOUNT_ID	The Bill To customer bank account name.
TRX_TYPE_NAME	RA_CUSTOMER_TRX_ALL	CUST_TRX_TYPE_ID	Transaction type name.
DOCUMENT_NUMBER	RA_CUSTOMER_TRX_ALL	TRX_NUMBER	
GL_DATE	RA_CUST_TRX_LINE_GL_DIST_ALL	GL_DATE	The General Ledger date. The GL date determines the accounting period that you record this transaction to your general ledger.
HEADER_ATTRIBUTE_CATEGORY	RA_CUSTOMER_TRX_ALL	HEADER_ATTRIBUTE_CATEGORY	Descriptive flexfield attribute information for the Transaction Information flexfield. Descriptive flexfield attributes let you store user-defined additional columns.
HEADER_ATTRIBUTE1		HEADER_ATTRIBUTE1	
HEADER_ATTRIBUTE2		HEADER_ATTRIBUTE2	
HEADER_ATTRIBUTE3		HEADER_ATTRIBUTE3	
HEADER_ATTRIBUTE4		HEADER_ATTRIBUTE4	
HEADER_ATTRIBUTE5		HEADER_ATTRIBUTE5	

Document Field	Oracle Applications Table/View Name	Column Name	Description
HEADER_ATTRIBUTE6		HEADER_ATTRIBUTE6	
HEADER_ATTRIBUTE7		HEADER_ATTRIBUTE7	
HEADER_ATTRIBUTE8		HEADER_ATTRIBUTE8	
HEADER_ATTRIBUTE9		HEADER_ATTRIBUTE9	
HEADER_ATTRIBUTE10		HEADER_ATTRIBUTE10	
HEADER_ATTRIBUTE11		HEADER_ATTRIBUTE11	
HEADER_ATTRIBUTE12		HEADER_ATTRIBUTE12	
HEADER_ATTRIBUTE13		HEADER_ATTRIBUTE13	
HEADER_ATTRIBUTE14		HEADER_ATTRIBUTE14	
HEADER_ATTRIBUTE15		HEADER_ATTRIBUTE15	
INTERNAL_NOTES	RA_CUSTOMER_TRX _ALL	INTERNAL_NOTES	
INVOICING_RULE_ NAME	RA_CUSTOMER_TRX _ALL	INVOICING_RULE_ID	
ORIG_SYSTEM_BILL_ ADDRESS_REF	RA_CUSTOMER_TRX _ALL	BILL_TO_SITE_USE_ID	The Bill To customer address reference.
ORIG_SYSTEM_BILL_ CONTACT_REF	RA_CUSTOMER_TRX _ALL	BILL_TO_CONTACT_ID	The Bill To contact reference.
ORIG_SYSTEM_BILL_ CUSTOMER_REF	RA_CUSTOMER_TRX _ALL	BILL_TO_CUSTOMER_ ID	Bill To customer.
ORIG_SYSTEM_SHIP_ ADDRESS_REF	RA_CUSTOMER_TRX _ALL	SHIP_TO_SITE_USE_ID	Ship To customer address.
ORIG_SYSTEM_SHIP_ CONTACT_REF	RA_CUSTOMER_TRX _ALL	SHIP_TO_CONTACT_ID	Ship To contact.
ORIG_SYSTEM_SHIP_ CUSTOMER_REF	RA_CUSTOMER_TRX _ALL	SHIP_TO_CUSTOMER_ ID	Ship To customer.
ORIG_SYSTEM_SOLD_ CUSTOMER_REF	RA_CUSTOMER_TRX _ALL	SOLD_TO_CUSTOMER_ ID	Sold To customer.
ORIG_SYSTEM_BATCH_ NAME	RA_CUSTOMER_TRX _ALL	ORIG_SYSTEM_BATCH _NAME	The batch name.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PAYMENT_SERVER_ ORDER_NUM	RA_CUSTOMER_TRX _ALL	PAYMENT_SERVER_ ORDER_NUM	Number that indicates that credit card payment was authorized by Oracle Payment Server.
PRIMARY_SALESREP_ NUMBER	RA_CUSTOMER_TRX _ALL	PRIMARY_SALESREP_ ID	The primary salesperson number.
PRINTING_OPTION	RA_CUSTOMER_TRX _ALL	PRINTING_OPTION	
PURCHASE_ORDER	RA_CUSTOMER_TRX _ALL	PURCHASE_ORDER	The purchase order number.
PURCHASE_ORDER_ REVISION	RA_CUSTOMER_TRX _ALL	PURCHASE_ORDER_ REVISION	
PURCHASE_ORDER_ DATE	RA_CUSTOMER_TRX _ALL	PURCHASE_ORDER_ DATE	
REASON_CODE	RA_CUSTOMER_TRX _ALL	REASON_CODE	
REASON_CODE_ MEANING	RA_CUSTOMER_TRX _ALL	REASON_CODE	The meaning of the reason code.
RECEIPT_METHOD_ NAME	RA_CUSTOMER_TRX _ALL	RECEIPT_METHOD_ID	
RELATED_CUSTOMER_ TRX_NUMBER	RA_CUSTOMER_TRX _ALL	RELATED_CUSTOMER_ TRX_ID	The document number to which this transaction is related.
SET_OF_BOOKS_NAME	RA_CUSTOMER_TRX _ALL	SET_OF_BOOKS_ID	Maps to the Set of Books ID.
TERRITORY	RA_CUSTOMER_TRX _ALL	TERRITORY_ID	Maps to the territory ID.
TERM_NAME	RA_CUSTOMER_TRX _ALL	TERM_ID	The name of the payment term.
TRX_DATE	RA_CUSTOMER_TRX _ALL	TRX_DATE	The transaction date.
TRX_NUMBER	RA_CUSTOMER_TRX _ALL	TRX_NUMBER	The number for this transaction.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTRIBUTE_CATEGORY	RA_CUSTOMER_TRX _ALL	ATTRIBUTE_ CATEGORY	The Invoice Line Information flexfield attribute information. Descriptive flexfield attributes allow you to store user-defined additional columns.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	
RELATED_BATCH_ SOURCE_NAME	RA_CUSTOMER_TRX _ALL	BATCH_SOURCE_ID	The name of the batch source of the document to which this transaction is related.
BATCH_SOURCE_NAME	RA_CUSTOMER_TRX _ALL	BATCH_SOURCE_ID	The name of the batch source.
FOB_POINT	RA_CUSTOMER_TRX _ALL	FOB_POINT	Free on Board point.
SHIP_DATE_ACTUAL	RA_CUSTOMER_TRX _ALL	SHIP_DATE_ACTUAL	Shipment date.

Document Field	Oracle Applications Table/View Name	Column Name	Description
SHIP_VIA	RA_CUSTOMER_TRX _ALL	SHIP_VIA	
WAYBILL_NUMBER	RA_CUSTOMER_TRX _ALL	WAYBILL_NUMBER	
APPROVAL_CODE	RA_CUSTOMER_TRX _ALL	APPROVAL_CODE	The payment approval code provided by the credit card issuer to indicate funds are available from the user's account.
ADDRESS_ VERIFICATION_CODE	RA_CUSTOMER_TRX _ALL	ADDRESS_ VERIFICATION_CODE	The credit card address verification code provided by Oracle Payment Server.
DEFAULT_USSGL_ TRANSACTION_CODE	RA_CUSTOMER_TRX _ALL	DEFAULT_USSGL_ TRANSACTION_CODE	The transaction code.
DEFAULT_USSGL_TRX_ CODE_CONTEXT	RA_CUSTOMER_TRX _ALL	DEFAULT_USSGL_TRX_ CODE_CONTEXT	Not currently used.
ORGANIZATION_NAME	RA_CUSTOMER_TRX _ALL	ORG_ID	Not currently used.

1.1.TRANSACTION_LINES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ ID	Customer transaction ID.
CUSTOMER_TRX_LINE_ ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ LINE_ID	Customer transaction line ID.
DESCRIPTION	RA_CUSTOMER_TRX _LINES_ALL	DESCRIPTION	
QUANTITY	RA_CUSTOMER_TRX _LINES_ALL	QUANTITY	Line quantity.
QUANTITY_ORDERED	RA_CUSTOMER_TRX _LINES_ALL	QUANTITY_ ORDERED	The original number of units ordered.

Document Field	Oracle Applications Table/View Name	Column Name	Description
UNIT_STANDARD_PRICE	RA_CUSTOMER_TRX _LINES_ALL	UNIT_ STANDARD_ PRICE	Standard price per unit.
UNIT_SELLING_PRICE	RA_CUSTOMER_TRX _LINES_ALL	UNIT_SELLING_ PRICE	Selling price per unit.
AMOUNT	RA_CUSTOMER_TRX _LINES_ALL	REVENUE_ AMOUNT	Revenue amount.
AMOUNT_INCLUDES_ TAX_FLAG	RA_CUSTOMER_TRX _LINES_ALL	AMOUNT_ INCLUDES_TAX_ FLAG	Indicates whether the amount for this transaction line includes tax.
UOM_CODE	RA_CUSTOMER_TRX _LINES_ALL	UOM_CODE	Unit of measure code.
UOM_NAME	RA_CUSTOMER_TRX _LINES_ALL	UOM_CODE	Unit of measure name.
ACCOUNTING_RULE_ DURATION	RA_CUSTOMER_TRX _LINES_ALL	ACCOUNTING_ RULE_ DURATION	
ACCOUNTING_RULE_N AME	RA_CUSTOMER_TRX _LINES_ALL	ACCOUNTING_ RULE_ID	
RULE_START_DATE	RA_CUSTOMER_TRX _LINES_ALL	RULE_START_ DATE	The date for the accounting rule to begin.
LAST_PERIOD_TO_ CREDIT	RA_CUSTOMER_TRX _LINES_ALL	LAST_PERIOD_ TO_CREDIT	For unit credit memos, the last period number from which you want to start crediting.
INVENTORY_ITEM	RA_CUSTOMER_TRX _LINES_ALL	INVENTORY_ID	The concatenated inventory flexfield, which is derived based on the INVENTORY_ID.
MEMO_LINE_NAME	RA_CUSTOMER_TRX _LINES_ALL	MEMO_LINE_ID	Name of the standard memo line.
TAX_EXEMPT_FLAG	RA_CUSTOMER_TRX _LINES_ALL	TAX_EXEMPT_ FLAG	If LINE_TYPE = LINE, this column is optional. The value indicates how a line is taxed.
TAX_EXEMPT_NUMBER	RA_CUSTOMER_TRX _LINES_ALL	TAX_EXEMPT_ NUMBER	

Document Field	Oracle Applications Table/View Name	Column Name	Description
TAX_EXEMPT_REASON_ CODE	RA_CUSTOMER_TRX _LINES_ALL	TAX_EXEMPT_ REASON_CODE	
TAX_EXEMPT_REASON_ CODE_MEANING	RA_CUSTOMER_TRX _LINES_ALL	TAX_EXEMPT_ REASON_CODE	
SALES_ORDER_SOURCE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ SOURCE	
SALES_ORDER	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER	Sales order number.
SALES_ORDER_ REVISION	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ REVISION	
SALES_ORDER_LINE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ LINE	Sales order line number.
SALES_ORDER_DATE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ DATE	
WAREHOUSE_NAME	RA_CUSTOMER_TRX _LINES_ALL	WAREHOUSE_ID	Identifies the Ship From location for tax purposes.
TRANSLATED_ DESCRIPTION	RA_CUSTOMER_TRX _LINES_ALL	TRANSLATED_DE SCRIPTION	Used for multi–lingual support.
INTERFACE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	INTERFACE_LINE _CONTEXT	The Line Transaction flexfield. The Line Transaction flexfield is a combination of attribute values that uniquely identify this transaction line in your original system.
NTERFACE_LINE_ ATTRIBUTE1		NTERFACE_LINE _ATTRIBUTE1	
NTERFACE_LINE_ ATTRIBUTE2		NTERFACE_LINE _ATTRIBUTE2	
INTERFACE_LINE_ ATTRIBUTE3		INTERFACE_LINE _ATTRIBUTE3	
INTERFACE_LINE_ ATTRIBUTE4		INTERFACE_LINE _ATTRIBUTE4	
INTERFACE_LINE_ ATTRIBUTE5		INTERFACE_LINE _ATTRIBUTE5	

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE6		INTERFACE_LINE _ATTRIBUTE6	
INTERFACE_LINE_ ATTRIBUTE7		INTERFACE_LINE _ATTRIBUTE7	
INTERFACE_LINE_ ATTRIBUTE8		INTERFACE_LINE _ATTRIBUTE8	
INTERFACE_LINE_ ATTRIBUTE9		INTERFACE_LINE _ATTRIBUTE9	
INTERFACE_LINE_ ATTRIBUTE10		INTERFACE_LINE _ATTRIBUTE10	
INTERFACE_LINE_ ATTRIBUTE11		INTERFACE_LINE _ATTRIBUTE11	
INTERFACE_LINE_ ATTRIBUTE13		INTERFACE_LINE _ATTRIBUTE13	
INTERFACE_LINE_ ATTRIBUTE15		INTERFACE_LINE _ATTRIBUTE15	
INTERFACE_LINE_ ATTRIBUTE12		INTERFACE_LINE _ATTRIBUTE12	
INTERFACE_LINE_ ATTRIBUTE14		INTERFACE_LINE _ATTRIBUTE14	
REFERENCE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	PREVIOUS_ CUSTOMER_TRX_ LINE_ID/ INITIAL_CUSTOM ER_TRX_LINE_ID	The transaction flexfield of the transaction line you are crediting in these columns.
REFERENCE_LINE_ ATTRIBUTE1			
REFERENCE_LINE_ ATTRIBUTE2			
REFERENCE_LINE_ ATTRIBUTE3			
REFERENCE_LINE_ ATTRIBUTE4			
REFERENCE_LINE_ ATTRIBUTE5			

Document Field	Oracle Applications Table/View Name	Column Name	Description
REFERENCE_LINE_ ATTRIBUTE6			
REFERENCE_LINE_ ATTRIBUTE7			
REFERENCE_LINE_ ATTRIBUTE8			
REFERENCE_LINE_ ATTRIBUTE9			
REFERENCE_LINE_ ATTRIBUTE10			
REFERENCE_LINE_ ATTRIBUTE11			
REFERENCE_LINE_ ATTRIBUTE12			
REFERENCE_LINE_ ATTRIBUTE13			
REFERENCE_LINE_ ATTRIBUTE14			
REFERENCE_LINE_ ATTRIBUTE15			
LINK_TO_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ RX_LINE_ID	The link to your transaction flexfield attribute values.
LINK_TO_LINE_ ATTRIBUTE1			
LINK_TO_LINE_ ATTRIBUTE2			
LINK_TO_LINE_ ATTRIBUTE3			
LINK_TO_LINE_ ATTRIBUTE4			
LINK_TO_LINE_ ATTRIBUTE5			
LINK_TO_LINE_ ATTRIBUTE6			

Document Field	Oracle Applications Table/View Name	Column Name	Description
LINK_TO_LINE_ ATTRIBUTE7			
LINK_TO_LINE_ ATTRIBUTE8			
LINK_TO_LINE_ ATTRIBUTE9			
LINK_TO_LINE_ ATTRIBUTE10			
LINK_TO_LINE_ ATTRIBUTE11			
LINK_TO_LINE_ ATTRIBUTE12			
LINK_TO_LINE_ ATTRIBUTE13			
LINK_TO_LINE_ ATTRIBUTE14			
LINK_TO_LINE_ ATTRIBUTE15			

1.1.1 TAX_LINES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ ID	Customer transaction ID.
CUSTOMER_TRX_LINE_ ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ LINE_ID	Customer transaction line ID.
LINK_TO_CUST_TRX_ LINE_ID	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ TRX_LINE_ID	Link to customer transaction line ID.
AMOUNT	RA_CUSTOMER_TRX _LINES_ALL	REVENUE_ AMOUNT	Revenue amount.
VAT_TAX_CODE	RA_CUSTOMER_TRX _LINES_ALL	SALES_TAX_ID	Tax code for this tax line.

Document Field	Oracle Applications Table/View Name	Column Name	Description
TAX_PRECEDENCE	RA_CUSTOMER_TRX _LINES_ALL	TAX_ PRECEDENCE	The precedence number for this tax line. This column computes tax compounding.
TAX_RATE	RA_CUSTOMER_TRX _LINES_ALL	TAX_RATE	Tax rate for this tax line.
INTERFACE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ TRX_LINE_ID	Line Transaction flexfield.
INTERFACE_LINE_ ATTRIBUTE1			
INTERFACE_LINE_ ATTRIBUTE2			
INTERFACE_LINE_ ATTRIBUTE3			
INTERFACE_LINE_ ATTRIBUTE4			
INTERFACE_LINE_ ATTRIBUTE5			
INTERFACE_LINE_ ATTRIBUTE6			
INTERFACE_LINE_ ATTRIBUTE7			
INTERFACE_LINE_ ATTRIBUTE8			
INTERFACE_LINE_ ATTRIBUTE9			
INTERFACE_LINE_ ATTRIBUTE10			
INTERFACE_LINE_ ATTRIBUTE11			
INTERFACE_LINE_ ATTRIBUTE12			
INTERFACE_LINE_ ATTRIBUTE13			
INTERFACE_LINE_ ATTRIBUTE14			

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE15			
ATTRIBUTE_CATEGORY	RA_CUSTOMER_TRX _LINES_ALL	ATTRIBUTE_ CATEGORY	The Invoice Line Information flexfield attribute information. Descriptive flexfield attributes allow you to store user-defined additional columns.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	

1.1.2 FREIGHT_LINES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ ID	Customer Transaction ID.
CUSTOMER_TRX_LINE_I D	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ LINE_ID	Customer Transaction Line ID.
LINK_TO_CUST_TRX_LIN E_ID	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ TRX_LINE_ID	Link to Customer Transaction Line ID.
AMOUNT	RA_CUSTOMER_TRX _LINES_ALL	REVENUE_ AMOUNT	The revenue amount.
INTERFACE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ TRX_LINE_ID	The Line Transaction flexfield.
INTERFACE_LINE_ ATTRIBUTE1			
INTERFACE_LINE_ ATTRIBUTE2			
INTERFACE_LINE_ ATTRIBUTE3			
INTERFACE_LINE_ ATTRIBUTE4			
INTERFACE_LINE_ ATTRIBUTE5			
INTERFACE_LINE_ ATTRIBUTE6			
INTERFACE_LINE_ ATTRIBUTE7			
INTERFACE_LINE_ ATTRIBUTE8			
INTERFACE_LINE_ ATTRIBUTE9			
INTERFACE_LINE_ ATTRIBUTE10			
INTERFACE_LINE_ ATTRIBUTE11			
INTERFACE_LINE_ ATTRIBUTE12			

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE13			
INTERFACE_LINE_ ATTRIBUTE14			
INTERFACE_LINE_ ATTRIBUTE15			
ATTRIBUTE_CATEGORY	RA_CUSTOMER_TRX _LINES_ALL	ATTRIBUTE_ CATEGORY	The Invoice Line Information flexfield attribute information. Descriptive flexfield attributes allow you to store user-defined additional columns.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	

1.1.3 SALES_CREDITS

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUST_TRX_LINE_SALESREPS_ALL	CUSTOMER_TRX_ID	Customer Transaction ID.
CUSTOMER_TRX_LINE_ID	RA_CUST_TRX_LINE_SALESREPS_ALL	CUSTOMER_TRX_LINE_ID	Customer Transaction Line ID.
CUST_TRX_LINE_SALESREP_ID	RA_CUST_TRX_LINE_SALESREPS_ALL	CUST_TRX_LINE_SALESREP_ID	
SALESREP_NUMBER	RA_CUST_TRX_LINE_SALESREPS_ALL	SALESREP_ID	The salesperson number for this sales credit.
REVENUE_PERCENT_SPLIT	RA_CUST_TRX_LINE_SALESREPS_ALL	REVENUE_PERCENT_SPLIT	The sales credit percent for this salesperson.
REVENUE_AMOUNT_SPLIT	RA_CUST_TRX_LINE_SALESREPS_ALL	REVENUE_AMOUNT_SPLIT	The sales credit amount for this salesperson.
NON_REVENUE_PERCENT_SPLIT	RA_CUST_TRX_LINE_SALESREPS_ALL	NON_REVENUE_PERCENT_SPLIT	Not used.
NON_REVENUE_AMOUNT_SPLIT	RA_CUST_TRX_LINE_SALESREPS_ALL	NON_REVENUE_AMOUNT_SPLIT	Not used.
SALESREP_NAME	RA_CUST_TRX_LINE_SALESREPS_ALL	SALESREP_ID	Sales representative's name.
SALES_CREDIT_TYPE_NAME	RA_CUST_TRX_LINE_SALESREPS_ALL	SALESREP_ID	The name of this sales credit's type.
INTERFACE_LINE_CONTEXT	RA_CUST_TRX_LINE_SALESREPS_ALL	CUSTOMER_TRX_LINE_ID	The Line Transaction flexfield
INTERFACE_LINE_ATTRIBUTE1			
INTERFACE_LINE_ATTRIBUTE2			
INTERFACE_LINE_ATTRIBUTE3			
INTERFACE_LINE_ATTRIBUTE4			
INTERFACE_LINE_ATTRIBUTE5			
INTERFACE_LINE_ATTRIBUTE6			

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE7			
INTERFACE_LINE_ ATTRIBUTE8			
INTERFACE_LINE_ ATTRIBUTE9			
INTERFACE_LINE_ ATTRIBUTE10			
INTERFACE_LINE_ ATTRIBUTE11			
INTERFACE_LINE_ ATTRIBUTE12			
INTERFACE_LINE_ ATTRIBUTE13			
INTERFACE_LINE_ ATTRIBUTE14			
INTERFACE_LINE_ ATTRIBUTE15			
ATTRIBUTE_CATEGORY	RA_CUST_TRX_LINE_ SALESREPS_ALL	ATTRIBUTE_ CATEGORY	The Invoice Line Information flexfield attribute information. Descriptive flexfield attributes allow you to store additional columns, the contents of which you define.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	

GL Distributions

All the GL Distributions business document structures are the same for this service, as follows:.

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_LINE_ID	RA_CUSTOMER_TRX_LINES_ALL	CUSTOMER_TRX_LINE_ID	Customer Transaction Line Id
ACCOUNT_CLASS	RA_CUST_TRX_LINE_GL_DIST_ALL	ACCOUNT_CLASS	Enter the account class for this accounting distribution.
ACCTD_AMOUNT	RA_CUST_TRX_LINE_GL_DIST_ALL	ACCTD_AMOUNT	The accounted amount for this distribution.
AMOUNT	RA_CUST_TRX_LINE_GL_DIST_ALL	AMOUNT	The amount for this accounting distribution.
ATTRIBUTE_CATEGORY	RA_CUST_TRX_LINE_GL_DIST_ALL	ATTRIBUTE_CATEGORY	The Invoice Line Information flexfield attribute information. Descriptive flexfield attributes allow you to store additional columns, the contents of which you define.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	
ACCOUNT_NUMBER	RA_CUST_TRX_ LINE_GL_DIST_ ALL	CODE_ COMBINATION_ID	The concatenated segments value for the Accounting flexfields, which maps to the CODE_COMBINATION_ID.
COMMENTS	RA_CUST_TRX_ LINE_GL_DIST_ ALL	COMMENTS	Comments about this accounting distribution.
INTERFACE_LINE_CONT EXT	RA_CUST_TRX_ LINE_GL_DIST_ ALL	CUSTOMER_TRX_ LINE_ID	The Line Transaction flexfield
INTERFACE_LINE_ ATTRIBUTE1			
INTERFACE_LINE_ ATTRIBUTE2			
INTERFACE_LINE_ ATTRIBUTE3			
INTERFACE_LINE_ ATTRIBUTE4			
INTERFACE_LINE_ ATTRIBUTE5			
INTERFACE_LINE_ ATTRIBUTE6			

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE7			
INTERFACE_LINE_ ATTRIBUTE8			
INTERFACE_LINE_ ATTRIBUTE9			
INTERFACE_LINE_ ATTRIBUTE10			
INTERFACE_LINE_ ATTRIBUTE11			
INTERFACE_LINE_ ATTRIBUTE12			
INTERFACE_LINE_ ATTRIBUTE13			
INTERFACE_LINE_ ATTRIBUTE14			
INTERFACE_LINE_ ATTRIBUTE15			
INTERIM_TAX_ ACCOUNT_NUMBER	RA_CUST_TRX_ LINE_GL_DIST_ ALL	CODE_ COMBINATION_ID	
ACCT_DISTRIBUTION_ PERCENT	RA_CUST_TRX_ LINE_GL_DIST_ ALL	PERCENT	The percentage for this accounting distribution.

1.2 CHARGES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ ID	Customer Transaction ID.
CUSTOMER_TRX_LINE _ID	RA_CUSTOMER_TRX _LINES_ALL	CUSTOMER_TRX_ LINE_ID	Customer Transaction Line ID.
LINK_TO_CUST_TRX_ LINE_ID	RA_CUSTOMER_TRX _LINES_ALL	LINK_TO_CUST_ TRX_LINE_ID	

Document Field	Oracle Applications Table/View Name	Column Name	Description
DESCRIPTION	RA_CUSTOMER_TRX _LINES_ALL	DESCRIPTION	
QUANTITY	RA_CUSTOMER_TRX _LINES_ALL	QUANTITY	Number of units shipped.
QUANTITY_ORDERED	RA_CUSTOMER_TRX _LINES_ALL	QUANTITY_ORD ERED	The original number of units ordered.
INVENTORY_ITEM	RA_CUSTOMER_TRX _LINES_ALL	INVENOTRY_ID	The concatenated Inventory flexfield, which will be used to derive the INVENTORY_ID.
UNIT_STANDARD_ PRICE	RA_CUSTOMER_TRX _LINES_ALL	UNIT_ STANDARD_ PRICE	The standard price per unit.
UNIT_SELLING_PRICE	RA_CUSTOMER_TRX _LINES_ALL	UNIT_SELLING_ PRICE	The selling price per unit.
MEMO_LINE_NAME	RA_CUSTOMER_TRX _LINES_ALL	MEMO_LINE_ID	The name of the standard memo line.
SALES_ORDER_ SOURCE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ SOURCE	The source of the sales order.
SALES_ORDER	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER	Sales order number
SALES_ORDER_ REVISION	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ REVISION	Sales order revision.
SALES_ORDER_LINE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ LINE	Sales order line number.
SALES_ORDER_DATE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ DATE	Date of the sales order.
INTERFACE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	INTERFACE_LINE _CONTEXT	Line Transaction flexfield.
INTERFACE_LINE_ ATTRIBUTE1	RA_CUSTOMER_TRX _LINES_ALL	INTERFACE_LINE _ATTRIBUTE1	
INTERFACE_LINE_ ATTRIBUTE2		INTERFACE_LINE _ATTRIBUTE2	
INTERFACE_LINE_ ATTRIBUTE3		INTERFACE_LINE _ATTRIBUTE3	

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE4		INTERFACE_LINE _ATTRIBUTE4	
INTERFACE_LINE_ ATTRIBUTE5		INTERFACE_LINE _ATTRIBUTE5	
INTERFACE_LINE_ ATTRIBUTE6		INTERFACE_LINE _ATTRIBUTE6	
INTERFACE_LINE_ ATTRIBUTE7		INTERFACE_LINE _ATTRIBUTE7	
INTERFACE_LINE_ ATTRIBUTE8		INTERFACE_LINE _ATTRIBUTE8	
INTERFACE_LINE_ ATTRIBUTE9		INTERFACE_LINE _ATTRIBUTE9	
INTERFACE_LINE_ ATTRIBUTE10		INTERFACE_LINE _ATTRIBUTE10	
INTERFACE_LINE_ ATTRIBUTE11		INTERFACE_LINE _ATTRIBUTE11	
INTERFACE_LINE_ ATTRIBUTE12		INTERFACE_LINE _ATTRIBUTE12	
INTERFACE_LINE_ ATTRIBUTE13		INTERFACE_LINE _ATTRIBUTE13	
INTERFACE_LINE_ ATTRIBUTE14		INTERFACE_LINE _ATTRIBUTE14	
INTERFACE_LINE_ ATTRIBUTE15		INTERFACE_LINE _ATTRIBUTE15	
REFERENCE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	PREVIOUS_ CUSTOMER_TRX_ LINE_ID/ INITIAL_CUSTOM ER_TRX_LINE_ID	If this transaction is a credit memo, the Transaction flexfield of the transaction line you are crediting in these columns, or the transaction you are crediting.
REFERENCE_LINE_ ATTRIBUTE1			
REFERENCE_LINE_ ATTRIBUTE2			
REFERENCE_LINE_ ATTRIBUTE3			

Document Field	Oracle Applications Table/View Name	Column Name	Description
REFERENCE_LINE_ ATTRIBUTE4			
REFERENCE_LINE_ ATTRIBUTE5			
REFERENCE_LINE_ ATTRIBUTE6			
REFERENCE_LINE_ ATTRIBUTE7			
REFERENCE_LINE_ ATTRIBUTE8			
REFERENCE_LINE_ ATTRIBUTE9			
REFERENCE_LINE_ ATTRIBUTE10			
REFERENCE_LINE_ ATTRIBUTE11			
REFERENCE_LINE_ ATTRIBUTE12			
REFERENCE_LINE_ ATTRIBUTE13			
REFERENCE_LINE_ ATTRIBUTE14			
REFERENCE_LINE_ ATTRIBUTE15			
ATTRIBUTE_ CATEGORY	RA_CUSTOMER_TRX _LINES_ALL	ATTRIBUTE_ CATEGORY	Descriptive flexfield attributes allow you to store additional user-defined columns.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	

1.3 FREIGHT_LINES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_TRX_ID	RA_CUSTOMER_TRX_LINES_ALL	CUSTOMER_TRX_ID	Customer Transaction ID.
CUSTOMER_TRX_LINE_ID	RA_CUSTOMER_TRX_LINES_ALL	CUSTOMER_TRX_LINE_ID	Customer Transaction Line ID.
LINK_TO_CUST_TRX_LINE_ID	RA_CUSTOMER_TRX_LINES_ALL	LINK_TO_CUST_TRX_LINE_ID	
DESCRIPTION	RA_CUSTOMER_TRX_LINES_ALL	DESCRIPTION	
QUANTITY	RA_CUSTOMER_TRX_LINES_ALL	QUANTITY	Number of units shipped.
QUANTITY_ORDERED	RA_CUSTOMER_TRX_LINES_ALL	QUANTITY_ORDERED	The original number of units ordered.
UNIT_STANDARD_PRICE	RA_CUSTOMER_TRX_LINES_ALL	UNIT_STANDARD_PRICE	The standard price per unit.
UNIT_SELLING_PRICE	RA_CUSTOMER_TRX_LINES_ALL	UNIT_SELLING_PRICE	Selling price per unit.
AMOUNT	RA_CUSTOMER_TRX_LINES_ALL	REVENUE_AMOUNT	Revenue amount.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ACCOUNTING_RULE_ DURATION	RA_CUSTOMER_TRX _LINES_ALL	ACCOUNTING_ RULE_DURATION	
ACCOUNTING_RULE_ NAME	RA_CUSTOMER_TRX _LINES_ALL	ACCOUNTING_ RULE_NAME	
RULE_START_DATE	RA_CUSTOMER_TRX _LINES_ALL	RULE_START_ DATE	Date when the accounting rule begins.
LAST_PERIOD_TO_CREDIT	RA_CUSTOMER_TRX _LINES_ALL	LAST_PERIOD_ TO_CREDIT	For unit credit memos, the last period number from which you want to start crediting.
MEMO_LINE_NAME	RA_CUSTOMER_TRX _LINES_ALL	MEMO_LINE_ID	Name of the standard memo line.
SALES_ORDER_SOURCE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ SOURCE	Source of the sales order.
SALES_ORDER	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER	Sales order number.
SALES_ORDER_REVISION	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ REVISION	Sales order revision
SALES_ORDER_LINE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ LINE	Sales order line number.
SALES_ORDER_DATE	RA_CUSTOMER_TRX _LINES_ALL	SALES_ORDER_ DATE	Date of the sales order.
INTERFACE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	INTERFACE_LINE _CONTEXT	Line Transaction flexfield.
INTERFACE_LINE_ ATTRIBUTE1		INTERFACE_LINE _ATTRIBUTE1	
INTERFACE_LINE_ ATTRIBUTE2		INTERFACE_LINE _ATTRIBUTE2	
INTERFACE_LINE_ ATTRIBUTE3		INTERFACE_LINE _ATTRIBUTE3	
INTERFACE_LINE_ ATTRIBUTE4		INTERFACE_LINE _ATTRIBUTE4	
INTERFACE_LINE_ ATTRIBUTE5		INTERFACE_LINE _ATTRIBUTE5	
INTERFACE_LINE_ ATTRIBUTE6		INTERFACE_LINE _ATTRIBUTE6	

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERFACE_LINE_ ATTRIBUTE7		INTERFACE_LINE _ATTRIBUTE7	
INTERFACE_LINE_ ATTRIBUTE8		INTERFACE_LINE _ATTRIBUTE8	
INTERFACE_LINE_ ATTRIBUTE9		INTERFACE_LINE _ATTRIBUTE9	
INTERFACE_LINE_ ATTRIBUTE10		INTERFACE_LINE _ATTRIBUTE10	
INTERFACE_LINE_ ATTRIBUTE11		INTERFACE_LINE _ATTRIBUTE11	
INTERFACE_LINE_ ATTRIBUTE12		INTERFACE_LINE _ATTRIBUTE12	
INTERFACE_LINE_ ATTRIBUTE13		INTERFACE_LINE _ATTRIBUTE13	
INTERFACE_LINE_ ATTRIBUTE14		INTERFACE_LINE _ATTRIBUTE14	
INTERFACE_LINE_ ATTRIBUTE15		INTERFACE_LINE _ATTRIBUTE15	
REFERENCE_LINE_ CONTEXT	RA_CUSTOMER_TRX _LINES_ALL	PREVIOUS_CUST OMER_TRX_LINE _ID/ INITIAL_CUSTOM ER_TRX_LINE_ID	If this transaction is a credit memo, the Transaction flexfield of the transaction line to credit in these columns, or the transaction to credit.
REFERENCE_LINE_ ATTRIBUTE1			
REFERENCE_LINE_ ATTRIBUTE2			
REFERENCE_LINE_ ATTRIBUTE3			
REFERENCE_LINE_ ATTRIBUTE4			
REFERENCE_LINE_ ATTRIBUTE5			

Document Field	Oracle Applications Table/View Name	Column Name	Description
REFERENCE_LINE_ ATTRIBUTE6			
REFERENCE_LINE_ ATTRIBUTE7			
REFERENCE_LINE_ ATTRIBUTE8			
REFERENCE_LINE_ ATTRIBUTE9			
REFERENCE_LINE_ ATTRIBUTE10			
REFERENCE_LINE_ ATTRIBUTE11			
REFERENCE_LINE_ ATTRIBUTE12			
REFERENCE_LINE_ ATTRIBUTE13			
REFERENCE_LINE_ ATTRIBUTE14			
REFERENCE_LINE_ ATTRIBUTE15			
ATTRIBUTE_CATEGORY	RA_CUSTOMER_TRX _LINES_ALL	ATTRIBUTE_ CATEGORY	Descriptive flexfield attributes store user-defined additional columns.
ATTRIBUTE1		ATTRIBUTE1	
ATTRIBUTE2		ATTRIBUTE2	
ATTRIBUTE3		ATTRIBUTE3	
ATTRIBUTE4		ATTRIBUTE4	
ATTRIBUTE5		ATTRIBUTE5	
ATTRIBUTE6		ATTRIBUTE6	
ATTRIBUTE7		ATTRIBUTE7	
ATTRIBUTE8		ATTRIBUTE8	
ATTRIBUTE9		ATTRIBUTE9	
ATTRIBUTE10		ATTRIBUTE10	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTRIBUTE11		ATTRIBUTE11	
ATTRIBUTE12		ATTRIBUTE12	
ATTRIBUTE13		ATTRIBUTE13	
ATTRIBUTE14		ATTRIBUTE14	
ATTRIBUTE15		ATTRIBUTE15	

1.4 DEFAULT_SALES_CREDITS

Use the table for Sales Credit. See "1.1.3 SALES_CREDITS" ON PAGE 178.

Send Customer Service

The name of this service is:

WmOAFIN1159.receivables1159.fromOA.customer:sendCustomer

This service provides the list of new or changed customers.

You set up Customers in Oracle Applications Receivables to record customer-related information, such as persons or organizations.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_customer.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_customer_vw.sql	Creates the following required view components for Customer outbound transactions: ■ WM_AR_CUSTOMERS_QRY_VW ■ WM_AR_CUSTOMERS_VW ■ WM_AR_ADDRESSES_VW ■ WM_CUST_PHONES_VW ■ WM_ADDR_PHONES_VW ■ WM_CONT_PHONES_VW ■ WM_AR_CONTACTS_VW ■ WM_AR_CONTACT_ROLES_VW ■ WM_AR_CUST_BANK_ACCOUNTS_VW ■ WM_AR_CUST_RECEIPT_METHODS_VW ■ WM_AR_CUSTOMER_PROFILES_VW ■ WM_AR_CUSTOMER_PROF_AMTS_VW ■ WM_AR_CUST_RELATIONSHIPS_VW ■ WM_AR_SITE_USES_VW

Database Script	Description
wm_from_customer_trg.sql	Creates the following trigger components to be used for writing to the WM_TRACKCHANGES table to indicate a new or updated document: ■ WM_HZ_PARTIES_U_TRG ■ WM_HZ_CUST_ACCOUNTS_IU_TRG ■ WM_AP_BANK_ACCOUNT_USES_IU_TRG ■ WM_HZ_CONTACT_POINTS_IUD_TRG ■ WM_HZ_CUSTOMER_PROFILES_IU_TRG ■ WM_HZ_CUST_ACCT_RELATE_IU_TRG ■ WM_HZ_CUST_ACCT_SITES_IU_TRG ■ WM_HZ_CUST_PROFILE_AMTS_IUD_TRG ■ WM_HZ_CUST_SITE_USES_IU_TRG ■ WM_HZ_LOCATIONS_IU_TRG ■ WM_HZ_CUST_ACCT_ROLES_I_TRG ■ WM_HZ_ROLE_RESP_IUD_RG ■ WM_RA_CUST_RECP_METHODS_IU_TRG
wm_disable_from_customer.sql	Disables the triggers installed by wm_from_customer_trg.sql.
wm_enable_from_customer.sql	Re-enables the triggers installed by wm_from_customer_trg.sql.
wm_drop_from_customer.sql	Uninstalls all components created by wm_install_from_customer.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getCustomerTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the sendCustomer service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

　　■ If lockTxnCtrl returns False, it means that another instance of this service is already in process the service exits and waits for next scheduled execution.

　　■ If lockTxnCtrl returns True, it means that the service is ready to execute, the Customer row in the control table is locked and updated so that the status is changed to be INPROCESS. This prevents any other Customer service from executing.

■ **getCustomerTxn** queries the Oracle Applications database for any Customer Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** is the customizable step that sends the business document to the recipient (such as a Trading Partner) by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the Error information. Transfer Status and the Error Information, if any, are logged against each document. Based on the Debug Mode, the record will be either purged or updated in the WM_TRACKCHANGES table. If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to 'Y'. This ensures that same sets of records are not picked up during next polling interval.

■ **updateTrackChanges** updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y so that the same information is not picked up again during the next polling instance. If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted.

■ **purgeTrackChanges** purges the records from the WM_TRACKCHANGES table. Based on the Debug Mode, the record will be either purged or updated in the WM_TRACKCHANGES table.

■ **unlockTxnCtrl** releases the lock on the Custom Control table so that the next polling instance of sendCustomer service can begin. Using the getLastError service, any errors that occurred are logged. The unlockTxnCtrl service executes to release the lock on the Custom Control table.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

The service uses the following business document structure:

- 1.0 CUSTOMERS
    - 1.1 SITES
        - 1.1.1 SITE_USES
            - 1.1.1.1 SITE_PAYMENT_METHODS
            - 1.1.1.2 SITE_BANK_ACCOUNTS
            - 1.1.1.3 SITE_PROFILES
                - 1.1.1.3.1 SITE_PROFILE_AMOUNTS
        - 1.1.2 SITE_PHONES
        - 1.1.3 SITE_CONTACTS
            - 1.1.3.1 SITE_CONTACT_ROLES
            - **1.1.3.2 SITE_CONTACT_PHONES
    - **1.2 PHONES
    - **1.3 CONTACTS
        - **1.3.1 CONTACT_ROLES
        - **1.3.2 CONTACT_PHONES
    - **1.4 BANK_ACCOUNTS
    - **1.5 PAYMENT_METHODS
    - **1.6 CUSTOMER_PROFILES
        - **1.6.1 PROFILE_AMOUNTS
    - 1.7 CUSTOMER_RELATIONSHIPS

**Some documents use the same document fields, tables, views, and columns, as shown in the following table:

For These Documents...	Use the Following Tables
■ 1.1.3.2 SITE_CONTACT_PHONES ■ 1.2 PHONES	"1.1.2 SITE_PHONES" on page 212.
■ 1.3 CONTACTS	"1.1.3 SITE_CONTACTS (Maps to RA_CONTACT_PHONES_INT_ALL)" on page 119

For These Documents...	Use the Following Tables
■ 1.31.CONTACT_ROLES	"1.1.3.1 SITE_CONTACT_ROLES" on page 214.
■ 1.3.2 CONTACT_PHONES	"1.1.2 SITE_PHONES" on page 212.
■ 1.4 BANK_ACCOUNTS	"1.1.1.2 SITE_BANK_ACCOUNTS" on page 206.
■ 1.5 PAYMENT_METHODS	"1.1.1.1 SITE_PAYMENT_METHODS" on page 205.
■ 1.6 CUSTOMER_PROFILES	"1.1.1.3 SITE_PROFILES" on page 207.
■ 1.6.1 PROFILE_AMOUNTS	"1.1.1.3.1 SITE_PROFILE_AMOUNTS" on page 211.

1.0 CUSTOMERS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Value is Customer.
DOCUMENT_STATUS			Value is Update or Insert.
CUSTOMER_ID	HZ_CUST_ACCOUNTS	CUST_ACCOUNT_ID	
CUSTOMER_NAME	HZ_CUST_ACCOUNTS	CUSTOMER_NAME	
CUSTOMER_NUMBER	HZ_CUST_ACCOUNTS	CUSTOMER_NUBER	Customer number.
PARTY_ID	HZ_CUST_ACCOUNTS	PARTY_ID	Customer party identifier.
PARTY_NUMBER	HZ_PARTIES	PARTY_NUMBER	Party number.
PARTY_TYPE	HZ_PARTIES	PARTY_TYPE	Type of party with valid values of person, organization, group or relationship.
CUSTOMER_KEY	HZ_PARTIES	CUSTOMER_KEY	Derived key created by Oracle Sales and Marketing to facilitate querying.
CUSTOMER_STATUS	HZ_CUST_ACCOUNTS	STATUS	Customer status flag.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORIG_SYSTEM_ REFERENCE	HZ_CUST_ACCOUNTS	ORIG_SYSTEM_ REFERENCE	Unique customer identifier from foreign system.
CUSTOMER_PROSPECT_ CODE	AR_CUSTOMERS_V	CUSTOMER_ PROSPECT_CODE	
CUSTOMER_CATEGORY_ CODE	HZ_PARTIES	CATEGORY_ CODE	User–definable category.
CUSTOMER_CLASS_CODE	HZ_CUST_ACCOUNTS	CUSTOMER_ CLASS_CODE	Customer class identifier.
CUSTOMER_TYPE	HZ_CUST_ACCOUNTS	CUSTOMER_TYPE	Receivables lookup code for CUSTOMER_TYPE. Values are: ■ I: Internal customers ■ R: external customers
PRIMARY_SALESREP_ NAME	JTF_RS_SALESREPS	NAME	Name of Sales Representative
SIC_CODE	HZ_PARTIES	SIC_CODE	Standard Industry Classification Code.
TAX_REFERENCE	HZ_PARTIES	TAX_REFERENCE	Taxpayer identification number.
TAX_CODE	HZ_CUST_ACCOUNTS	TAX_CODE	Tax code for this customer.
FOB_POINT	HZ_CUST_ACCOUNTS	FOB_POINT	The point in a shipment when title to the goods transfers. An example is FOB delivered, where the title changes hands at the point of delivery.
SHIP_VIA	HZ_CUST_ACCOUNTS	SHIP_VIA	Name of shipping firm.
GSA_INDICATOR	HZ_PARTIES	GSA_INDICATOR_ FLAG	If the organization is a public sector service agency.

Document Field	Oracle Applications Table/View Name	Column Name	Description
SHIP_PARTIAL	HZ_CUST_ACCOUNTS	SHIP_PARTIAL	Flag if partial shipments can be sent.
TAXPAYER_ID	HZ_PARTIES	JGZZ_FISCAL_ CODE	Fiscal code for certain European countries.
PRICE_LIST_NAME	OE_PRICE_LISTS_VL	NAME	
FREIGHT_TERM	HZ_CUST_ACCOUNTS	FREIGHT_TERM	Order Management lookup code for FREIGHT_TERMS.
ORDER_TYPE_NAME	OE_TRANSACTION_ TYPES_VL	NAME	
SALES_CHANNEL_CODE	HZ_CUST_ACCOUNTS	SALES_ CHANNEL_CODE	Order Management lookup code for SALES_CHANNEL.
WAREHOUSE_NAME	HR_ALL_ ORGANIZATION_ UNITS	NAME	
MISSION_STATEMENT	HZ_PARTIES	MISSION_ STATEMENT	Corporate charter of organization.
NUM_OF_EMPLOYEES	HZ_PARTIES	EMPLOYEES_ TOTAL	Total number of employees.
POTENTIAL_REVENUE_ CURR_FY	HZ_PARTIES	CURR_FY_ POTENTIAL_ REVENUE	Potential revenue this fiscal year for organization.
POTENTIAL_REVENUE_ NEXT_FY	HZ_PARTIES	NEXT_FY_ POTENTIAL_ REVENUE	Potential revenue next fiscal year for organization.
FISCAL_YEAREND_ MONTH	HZ_PARTIES	FISCAL_YEAREND _MONTH	Month in which fiscal year ends for organization.
YEAR_ESTABLISHED	HZ_PARTIES	YEAR_ ESTABLISHED	Year in which organization began doing business.
ANALYSIS_FY	HZ_PARTIES	ANALYSIS_FY	Fiscal year for financial information such as net worth, number of employees, and potential revenue.

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPETITOR_FLAG	HZ_PARTIES	COMPETITOR_ FLAG	Indicates whether organization is a competitor.
REFERENCE_USE_FLAG	HZ_PARTIES	REFERENCE_ USE_FLAG	Indicates whether customer agreed to be a reference.
THIRD_PARTY_FLAG	HZ_PARTIES	THIRD_PARTY_ FLAG	Tracks if a customer is a direct customer of the organization using receivables or a third party supplier.
PROFILE_CLASS_NAME	HZ_CUST_PROFILE_ CLASSES	NAME	Name of customer profile class.
CUSTOMER_NAME_ PHONETIC	HZ_PARTIES	ORGANIZATION_ NAME_ PHONETIC	Japanese Kana, or phonetic representation of organization name.
TAX_HEADER_LEVEL_ FLAG	HZ_CUST_ACCOUNTS	TAX_HEADER_ LEVEL_FLAG	Tax calculation level where Y indicates header and N indicates line.
TAX_ROUNDING_RULE	HZ_CUST_ACCOUNTS	TAX_ROUNDING_ RULE	Tax amount rounding rule.
COTERMINATE_DAY_ MONTH	HZ_CUST_ACCOUNTS	COTERMINATE_ DAY_MONTH	Identifies date in the form DD-MMM on which services ordered by the customer will end.
WAREHOUSE_UPDATE_ DATE	HZ_CUST_ACCOUNTS	WH_UPDATE_ DATE	Warehouse update date when record was recorded or changed.
LANGUAGE	AR_CUSTOMERS_V	LANGUAGE	Language.
TRANSLATED_CUSTOMER _NAME	AR_CUSTOMERS_V	TRANSLATED_ CUSTOMER_ NAME	Translated customer name.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PERSON_PRE_NAME_ ADJUNCT	HZ_PARTIES	PERSON_PRE_ NAME_ADJUNCT	Salutatory introduction such as Mr. or Herr.
PERSON_FIRST_NAME	HZ_PARTIES	PERSON_FIRST_ NAME	First name of the person.
PERSON_MIDDLE_NAME	HZ_PARTIES	PERSON_MIDDLE_ NAME	Middle name of the person.
PERSON_LAST_NAME	HZ_PARTIES	PERSON_LAST_ NAME	Last name or surname of the person.
PERSON_SUFFIX	HZ_PARTIES	PERSON_NAME_ SUFFIX	Suffix after the surname such as Sr., Jr., or III.
PERSON_FIRST_NAME_ PHONETIC	HZ_PARTIES	PERSON_FIRST_ NAME_ PHONETIC	Phonetic representation of the first name.
PERSON_LAST_NAME_ PHONETIC	HZ_PARTIES	PERSON_LAST_ NAME_ PHONETIC	Phonetic representation of the last name.
SHIP_SETS_INCLUDE_ LINES_FLAG	HZ_CUST_ACCOUNTS	SHIP_SETS_ INCLUDE_LINES_ FLAG	Indicates whether lines should automatically be included in ship sets.
ARRIVALSETS_INCLUDE_ LINES_FLAG	HZ_CUST_ACCOUNTS	ARRIVALSETS _INCLUDE_LINES_ FLAG	Indicates whether lines should automatically be included in arrival sets.
SCHED_DATE_PUSH_FLAG	HZ_CUST_ACCOUNTS	SCHED_DATE_ PUSH_FLAG	Indicates whether a group schedule date should automatically be pushed.
OVER_SHIPMENT_ TOLERANCE	HZ_CUST_ACCOUNTS	OVER_SHIPMENT_ TOLERANCE	Percentage tolerance for over shipment.
UNDER_SHIPMENT_ TOLERANCE	HZ_CUST_ACCOUNTS	UNDER_ SHIPMENT_ TOLERANCE	Percentage tolerance for under shipment.
OVER_RETURN_ TOLERANCE	HZ_CUST_ACCOUNTS	OVER_RETURN_ TOLERANCE	Percentage tolerance for over return.

Document Field	Oracle Applications Table/View Name	Column Name	Description
UNDER_RETURN_ TOLERANCE	HZ_CUST_ACCOUNTS	UNDER_RETURN_ TOLERANCE	Percentage tolerance for under return.
ITEM_CROSS_REF_PREF			
DATE_TYPE_PREFERENCE	HZ_CUST_ACCOUNTS	DATE_TYPE_ PREFERENCE	Preference for ship or arrival dates.
DATES_NEGATIVE_ TOLERANCE	HZ_CUST_ACCOUNTS	DATES_ NEGATIVE_ TOLERANCE	Negative tolerance for acceptable dates.
DATES_POSITIVE_ TOLERANCE	HZ_CUST_ACCOUNTS	DATES_POSITIVE_ TOLERANCE	Positive tolerance for acceptable dates.
INVOICE_QUANTITY_ RULE	HZ_CUST_ACCOUNTS	INVOICE_ QUANTITY_RULE	Indicates whether to invoice for ordered quantity or fulfilled quantity.
DUNS_NUMBER	HZ_PARTIES	DUNS_NUMBER	Unique, nine-digit identification number assigned to business entities by Dun & Bradstreet.
SIC_CODE_TYPE	HZ_PARTIES	SIC_CODE_TYPE	Version of Standard Industry Classification.
SITE_NUMBER			
IDENTIFYING_ADDRESS_F LAG			
ADRESSEE			

1.1 SITES

Document Field	Oracle Applications Table/View Name	Column Name	Description
ADDRESS_ID	HZ_CUST_ ACCT_SITES_ALL	CUST_ACCT_SITE_ID	Customer site identifier.
STATUS	HZ_CUST_ACCT_ SITES_ALL	STATUS	Customer status flag.
ORIG_SYSTEM_ REFERENCE	HZ_CUST_ACCT_ SITES_ALL	ORIG_SYSTEM_ REFERENCE	Address identifier from foreign system.

Document Field	Oracle Applications Table/View Name	Column Name	Description
TERRITORY_SHORT_NAME	FND_TERRITORIES_TL	TERRITORY_SHORT_NAME	Territory short name.
ADDRESS_STYLE	HZ_LOCATIONS	ADDRESS_STYLE	Do not use this column. Used as context value for Flexible Address Format descriptive flexfield.
ADDRESS1	HZ_LOCATIONS	ADDRESS1	
ADDRESS2	HZ_LOCATIONS	ADDRESS2	
ADDRESS3	HZ_LOCATIONS	ADDRESS3	
ADDRESS4	HZ_LOCATIONS	ADDRESS4	
CITY	HZ_LOCATIONS	CITY	
COUNTY	HZ_LOCATIONS	COUNTY	
STATE	HZ_LOCATIONS	STATE	
PROVINCE	HZ_LOCATIONS	PROVINCE	
COUNTRY	HZ_LOCATIONS	COUNTRY	
POSTAL_CODE	HZ_LOCATIONS	POSTAL_CODE	
SU_BILL_TO_FLAG	AR_ADDRESSES_V	SU_BILL_TO_FLAG	
SU_SHIP_TO_FLAG	AR_ADDRESSES_V	SU_SHIP_TO_FLAG	
SU_MARKET_FLAG	AR_ADDRESSES_V	SU_MARKET_FLAG	
SU_DUN_FLAG	AR_ADDRESSES_V	SU_DUN_FLAG	
SU_STMT_FLAG	AR_ADDRESSES_V	SU_STMT_FLAG	
SU_LEGAL_FLAG	AR_ADDRESSES_V	SU_LEGAL_FLAG	
KEY_ACCOUNT_FLAG	AR_ADDRESSES_V	KEY_ACCOUNT_FLAG	
LANGUAGE	HZ_LOCATIONS	LANGUAGE	
LANGUAGE_DESCRIPTION	FND_LANGUAGES_TL	DESCRIPTION	Language description.
ADDRESS_LINES_PHONETIC	HZ_LOCATIONS	ADDRESS_LINES_PHONETIC	Phonetic or Kana representation of the Kanji address lines, used in Japan.

Document Field	Oracle Applications Table/View Name	Column Name	Description
EDI_LOCATION	HZ_CUST_ACCT_ SITES_ALL	ECE_TP_LOCATION_ CODE	Stores the unique EDI location code for a customer.
TERRITORY	HZ_CUST_ACCT_ SITES_ALL	TERRITORY	Territory for this customer account site.
TRANSLATED_ CUSTOMER_NAME	HZ_CUST_ACCT_ SITES_ALL	TRANSLATED_ CUSTOMER_NAME	Translated customer name.
SALES_TAX_GEOCODE	HZ_LOCATIONS	SALES_TAX_ GEOCODE	US state and local tax jurisdiction code.
SALES_TAX_INSIDE_ CITY_LIMITS	HZ_LOCATIONS	SALES_TAX_INSIDE_ CITY_LIMITS	US state and local tax inside city limits flag.
ORGANIZATION_ NAME	ORG_ ORGANIZATION_ DEFINITIONS	ORGANIZATION_ NAME	Organization name.
SITE_NUMBER			
IDENTIFYING_ADDRES S_FLAG			
ADRESSEE			

1.1.1 SITE_USES

Document Field	Oracle Applications Table/View Name	Column Name	Comments
SITE_USE_ID	HZ_CUST_SITE_USES _ALL	SITE_USE_ID	Site-use identifier.
SITE_USE_CODE	HZ_CUST_SITE_USES _ALL	SITE_USE_CODE	Business purpose.
PRIMARY_FLAG	HZ_CUST_SITE_USES _ALL	PRIMARY_FLAG	Indicates site is primary.
STATUS	HZ_CUST_SITE_USES _ALL	STATUS	Site-use status flag.
CONTACT_NAME	AR_SITE_USES_V	CONTACT_NAME	Contact name.
BILL_TO_ LOCATION	HZ_CUST_SITE_USES _ALL	LOCATION	Site-use identifier.
ORIG_SYSTEM_ REFERENCE	HZ_CUST_SITE_USES _ALL	ORIG_SYSTEM_ REFERENCE	Site-use identifier from foreign system.

Document Field	Oracle Applications Table/View Name	Column Name	Comments
SIC_CODE	HZ_CUST_SITE_USES _ALL	SIC_CODE	Standard Industry Classification code.
PAYMENT_TERM_ NAME	RA_TERMS_TL	NAME	Payment terms name.
GSA_INDICATOR	HZ_CUST_SITE_USES _ALL	GSA_INDICATOR	Indicates whether this site is a public sector government service agency.
SHIP_PARTIAL	HZ_CUST_SITE_USES _ALL	SHIP_PARTIAL	Indicates whether the customer will accept partial shipments.
SHIP_VIA	HZ_CUST_SITE_USES _ALL	SHIP_VIA	Name of the preferred shipping company.
FOB_POINT	HZ_CUST_SITE_USES _ALL	FOB_POINT	Free On Board (FOB) point is where title of goods is transferred to the buyer.
ORDER_TYPE_ NAME	OE_TRANSACTION_ TYPES_TL	NAME	Order type name.
PRICE_LIST_NAME	OE_PRICE_LISTS_VL	NAME	Price list name.
FREIGHT_TERM	HZ_CUST_SITE_USES _ALL	FREIGHT_TERM	Order Management lookup code for FREIGHT_TERMS.
WAREHOUSE_ NAME	HR_ALL_ORGANIZA TION_UNITS	NAME	Warehouse name.
TAX_REFERENCE	HZ_CUST_SITE_USES _ALL	TAX_REFERENCE	Taxpayer identification number.
TAX_CODE	HZ_CUST_SITE_USES _ALL	TAX_CODE	Tax code associated with this site.
DEMAND_CLASS_ CODE	HZ_CUST_SITE_USES _ALL	DEMAND_CLASS_ CODE	Demand class.
INVENTORY_ ORGANIZATION_ NAME	HR_ALL_ ORGANIZATION_ UNITS	NAME	Inventory organization name.
TAX_ CLASSIFICATION	HZ_CUST_SITE_USES _ALL	TAX_ CLASSIFICATION	Classification code for tax.
TAX_HEADER_ LEVEL_FLAG	HZ_CUST_SITE_USES _ALL	TAX_HEADER_LEVEL _FLAG	Used by Oracle Sales Compensation.

Document Field	Oracle Applications Table/View Name	Column Name	Comments
TAX_ROUNDING_ RULE	HZ_CUST_SITE_USES _ALL	TAX_ROUNDING_ RULE	Tax rounding rule that overrides system and customer tax rounding rule.
PRIMARY_ SALESREP_NAME	JTF_RS_SALESREPS	NAME	Primary sales representative name.
FINCHRG_ RECEIVABLES_TRX _NAME	AR_RECEIVABLES_TR X_ALL	NAME	
REV_ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the revenue account.
FREIGHT_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the freight account.
REC_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the receivable account.
CLEARING_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the clearing account.
TAX_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the tax account.
UNBILLED_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the unbilled account.
UNEARNED_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the unearned account.
UNPAID_REC_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the unpaid bills account.
REMITTANCE_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the remittance account.
FACTOR_ ACCOUNT	GL_CODE_ COMBINATIONS	CONCATENATED_ SEGMENTS	Account identifier for the factor account.
DATES_NEGATIVE_ TOLERANCE	HZ_CUST_SITE_USES _ALL	DATES_NEGATIVE_ TOLERANCE	Negative tolerance for acceptable dates.
DATES_POSITIVE_ TOLERANCE	HZ_CUST_SITE_USES _ALL	DATES_POSITIVE_ TOLERANCE	Positive tolerance for acceptable dates.
DATE_TYPE_ PREFERENCE	HZ_CUST_SITE_USES _ALL	DATE_TYPE_ PREFERENCE	Preference for ship or arrival dates.
OVER_SHIPMENT_ TOLERANCE	HZ_CUST_SITE_USES _ALL	OVER_SHIPMENT_ TOLERANCE	Percentage tolerance for over shipment.

Document Field	Oracle Applications Table/View Name	Column Name	Comments
UNDER_SHIPMENT _TOLERANCE	HZ_CUST_SITE_USES _ALL	UNDER_SHIPMENT_ TOLERANCE	Percentage of tolerance for under shipment.
OVER_RETURN_ TOLERANCE	HZ_CUST_SITE_USES _ALL	OVER_RETURN_ TOLERANCE	Percentage of tolerance for over return.
UNDER_RETURN_ TOLERANCE	HZ_CUST_SITE_USES _ALL	UNDER_RETURN_ TOLERANCE	Percentage tolerance for under return.
SHIP_SETS_ INCLUDE_LINES_ FLAG	HZ_CUST_SITE_USES _ALL	SHIP_SETS_INCLUDE _LINES_FLAG	Indicates whether lines should automatically be included in ship sets.
ARRIVALSETS_INC LUDE_LINES_FLAG	HZ_CUST_SITE_USES _ALL	ARRIVALSETS_ INCLUDE_LINES_FL AG	Indicates whether lines should automatically be included in arrival sets.
SCHED_DATE_ PUSH_FLAG	HZ_CUST_SITE_USES _ALL	SCHED_DATE_PUSH_ FLAG	Indicates whether the group schedule date should automatically be pushed.
INVOICE_ QUANTITY_RULE	HZ_CUST_SITE_USES _ALL	INVOICE_QUANTITY _RULE	Indicates whether to invoice for ordered quantity or fulfilled quantity.
PRICING_EVENT	HZ_CUST_SITE_USES _ALL	PRICING_EVENT	Event at which to price orders. Examples are at entry, at shipping, or at invoicing.

1.1.1.1 SITE_PAYMENT_METHODS

Document Filed	Oracle Applications Table/View Name	Column Name	Description
PRIMARY_FLAG	RA_CUST_RECEIPT _METHODS	PRIMARY_FLAG	Indicates whether customer receipt method is primary.
RECEIPT_METHOD_ NAME	AR_RECEIPT_ METHODS	NAME	Receipt method name.
START_DATE	RA_CUST_RECEIPT _METHODS	START_DATE	Start date of the customer receipt methods.
END_DATE	RA_CUST_RECEIPT _METHODS	END_DATE	End date of the customer receipt methods.

1.1.1.2 SITE_BANK_ACCOUNTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_ACCOUNT_ID	AP_BANK_ACCOUNT_ USES_ALL	BANK_ACCOUNT_I D	Bank account Id.
EXTERNAL_BANK_ACC OUNT_ID	AP_BANK_ACCOUNT_ USES_ALL	EXTERNAL_BANK_ ACCOUNT_ID	External bank account Id.
START_DATE	AP_BANK_ACCOUNT_ USES_ALL	START_DATE	Start date of the bank account.
END_DATE	AP_BANK_ACCOUNT_ USES_ALL	END_DATE	End date of the bank account.
PRIMARY_FLAG	AP_BANK_ACCOUNT_ USES_ALL	PRIMARY_FLAG	Indicates whether bank account use is primary.
BANK_NUMBER	AP_BANK_BRANCHES	BANK_NUMBER	
BANK_NAME	AP_BANK_BRANCHES	BANK_NAME	
BANK_BRANCH_NAME	AP_BANK_BRANCHES	BANK_BRANCH_ NAME	
BANK_BRANCH_NUM	AP_BANK_BRANCHES	BANK_NUM	Branch number.
BANK_BRANCH_ DESCRIPTION	AP_BANK_BRANCHES	DESCRIPTION	
BANK_ACCOUNT_ NAME	AP_BANK_ACCOUNTS _ALL	BANK_ACCOUNT_ NAME	
BANK_ACCOUNT_NUM	AP_BANK_ACCOUNTS _ALL	BANK_ACCOUNT_ NUM	Bank account number.
BANK_ACCOUNT_ DESCRIPTION	AP_BANK_ACCOUNTS _ALL	DESCRIPTION	
BANK_CURRENCY_ CODE	AP_BANK_ACCOUNTS _ALL	CURRENCY_CODE	
BANK_ACCOUNT_ INACTIVE_DATE	AP_BANK_ACCOUNTS _ALL	INACTIVE_DATE	
BANK_BRANCH_ ADDRESS1	AP_BANK_BRANCHES	ADDRESS_LINE1	
BANK_BRANCH_ ADDRESS2	AP_BANK_BRANCHES	ADDRESS_LINE2	
BANK_BRANCH_ ADDRESS3	AP_BANK_BRANCHES	ADDRESS_LINE3	

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_BRANCH_ ADDRESS4	AP_BANK_BRANCHES	ADDRESS_LINE4	
BANK_BRANCH_CITY	AP_BANK_BRANCHES	CITY	
BANK_BRANCH_STATE	AP_BANK_BRANCHES	STATE	
BANK_BRANCH_ZIP	AP_BANK_BRANCHES	ZIP	
BANK_BRANCH_ PROVINCE	AP_BANK_BRANCHES	PROVINCE	
BANK_BRANCH_ COUNTRY	AP_BANK_BRANCHES	COUNTRY	
BANK_BRANCH_AREA_ CODE	AP_BANK_BRANCHES	AREA_CODE	
BANK_BRANCH_PHONE	AP_BANK_BRANCHES	PHONE	
BANK_BRANCH_ COUNTY	AP_BANK_BRANCHES	COUNTY	
BANK_BRANCH_EFT USER_NUMBER	AP_BANK_BRANCHES	EFT_USER_ NUMBER	The number that identifies you as a user of electronic funds transfer services to your bank or clearing organization.
BANK_ACCOUNT_ CHECK_DIGITS	AP_BANK_ACCOUNTS _ALL	CHECK_DIGITS	Holds any check digits that result from bank account number validation.

1.1.1.3 SITE_PROFILES

Document Field	Oracle Applications Table/View Name	Column Name	Description
CUSTOMER_PROFILE_ID	HZ_CUSTOMER _PROFILES	CUST_ACCOUNT_ PROFILE_ID	Unique identifier of this customer profile.
STATUS	HZ_CUSTOMER _PROFILES	STATUS	Indicates whether the profile is active or inactive.
PROFILE_CLASS_NAME	HZ_CUST_PROF ILE_CLASSES	NAME	

Document Field	Oracle Applications Table/View Name	Column Name	Description
PROFILE_CLASS_DESCRIPTION	HZ_CUST_PROFILE_CLASSES	DESCRIPTION	
COLLECTOR_ID	AR_CUSTOMER_PROFILES	COLLECTOR_ID	Collector Id.
COLLECTOR_NAME	AR_COLLECTORS	NAME	
CREDIT_CHECKING	HZ_CUSTOMER_PROFILES	CREDIT_CHECKING	Indicates whether a credit check is to be carried out.
TOLERANCE	HZ_CUSTOMER_PROFILES	TOLERANCE	Percentage over credit limit that this customer can exceed before action takes place.
DISCOUNT_TERMS	HZ_CUSTOMER_PROFILES	DISCOUNT_TERMS	Indicates whether to allow discount terms. Default value is Y (Yes).
DUNNING_LETTERS	HZ_CUSTOMER_PROFILES	DUNNING_LETTERS	Indicates whether to send dunning letters to this customer when invoices, debit memos, or chargebacks become past due.
INTEREST_CHARGES	HZ_CUSTOMER_PROFILES	INTEREST_CHARGES	Indicates whether to charge this customer interest.
STATEMENTS	HZ_CUSTOMER_PROFILES	SEND_STATEMENTS	Indicates whether to send this customer statements.
CREDIT_BALANCE_STATEMENTS	HZ_CUSTOMER_PROFILES	CREDIT_BALANCE_STATEMENTS	Indicates whether to send statements that have a credit balance.
CREDIT_HOLD	HZ_CUSTOMER_PROFILES	CREDIT_HOLD	Indicates whether to put a hold on this customer's credit.
CREDIT_RATING	HZ_CUSTOMER_PROFILES	CREDIT_RATING	List of values choice for credit rating.
CREDIT_RATING_MEANING	AR_LOOKUPS	MEANING	Credit rating meaning.
RISK_CODE	HZ_CUSTOMER_PROFILES	RISK_CODE	List of values for risk code.

Document Field	Oracle Applications Table/View Name	Column Name	Description
RISK_MEANING	HZ_CUSTOMER _PROFILES	RISK_MEANING	Risk meaning.
STANDARD_TERMS	HZ_CUSTOMER _PROFILES	STANDARD_TERMS	User–defined payment.
OVERRIDE_TERMS	HZ_CUSTOMER _PROFILES	OVERRIDE_TERMS	Indicates whether to allow override of standard terms.
DUNNING_LETTER_SET_ NAME	AR_DUNNING_ LETTER_SETS	NAME	Dunning letter set name.
INTEREST_PERIOD_DAYS	HZ_CUSTOMER _PROFILES	INTEREST_PERIOD_ DAYS	Number of days to which the interest rate refers.
PAYMENT_GRACE_DAYS	HZ_CUSTOMER _PROFILES	PAYMENT_GRACE_ DAYS	Maximum number of overdue days allowed before action takes place.
DISCOUNT_GRACE_DAYS	HZ_CUSTOMER _PROFILES	DISCOUNT_GRACE_ DAYS	Number of days after discount term date during which this customer can take discounts.
STATEMENT_CYCLE_ NAME	AR_ STATEMENT_ CYCLES	NAME	
ACCOUNT_STATUS	HZ_CUSTOMER _PROFILES	ACCOUNT_STATUS	User defined account status.
ACCOUNT_STATUS_MEAN ING	HZ_CUSTOMER _PROFILES	ACCOUNT_STATUS_ MEANING	User defined account status meaning.
AUTOCASH_HIERARCHY_ NAME	AR_AUTOCASH _HIERARCHIES	HIERARCHY_NAME	
AUTO_REC_INCL_ DISPUTED_FLAG	HZ_CUSTOMER _PROFILES	AUTO_REC_INCL_ DISPUTED_FLAG	Indicates whether to include disputed transactions. Values include Y or N.
TAX_PRINTING_OPTION	HZ_CUSTOMER _PROFILES	TAX_PRINTING_ OPTION	Tax printing option.
TAX_PRINTING_OPTION_ MEANING	HZ_CUSTOMER _PROFILES	TAX_PRINTING_OPTI ON_MEANING	Tax printing option meaning.

Document Field	Oracle Applications Table/View Name	Column Name	Description
CHARGE_ON_FINANCE_ CHARGE_FLAG	HZ_CUSTOMER _PROFILES	CHARGE_ON_ FINANCE_CHARGE_ FLAG	Indicates whether to compound finance charges for this customer or site. Values include Y or N.
GROUPING_RULE_NAME	RA_GROUPING _RULES	NAME	Grouping rule name.
CONS_INV_FLAG	HZ_CUSTOMER _PROFILES	CONS_INV_FLAG	Indicates whether customer will be sent a consolidated billing invoice.
CONS_INV_TYPE	HZ_CUSTOMER _PROFILES	CONS_INV_TYPE	Type of consolidated billing invoice (summary or detail) sent to customer.
PERCENT_COLLECTABLE	HZ_CUSTOMER _PROFILES	PERCENT_ COLLECTABLE	Percentage of this customer's account balance that expect to be collected on a regular basis.
CLEARING_DAYS	HZ_CUSTOMER _PROFILES	CLEARING_DAYS	Specifies a value for the number of clearing days before receipts that belong to this customer or site can be cleared by the automatic clearing program. This overrides the value of the payment method or bank account.
AUTOCASH_HIERARCHY_ NAME_ADR	AR_AUTOCASH _HIERARCHIES	HIERARCHY_NAME	
LOCKBOX_MATCHING_ OPTION	HZ_CUSTOMER _PROFILES	LOCKBOX_ MATCHING_OPTION	Lockbox matching option such as INVOICE, SALES_ORDER, PURCHASE_ORDER.

1.1.1.3.1 SITE_PROFILE_AMOUNTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
CURRENCY_CODE	HZ_CUST_PROFILE _AMTS	CURRENCY_CODE	
TRX_CREDIT_LIMIT	HZ_CUST_PROFILE _AMTS	TRX_CREDIT_LIMIT	Credit limit for an order.
OVERALL_CREDIT_LIMIT	HZ_CUST_PROFILE _AMTS	OVERALL_CREDIT_ LIMIT	
MIN_DUNNING_AMOUNT	HZ_CUST_PROFILE _AMTS	MIN_DUNNING_ AMOUNT	Minimum total that a dunning letter should have before the letter is printed.
MIN_DUNNING_INVOICE_ AMOUNT	HZ_CUST_PROFILE _AMTS	MIN_DUNNING_ INVOICE_AMOUNT	The balance due on a payment schedule must be at least this value before it can be dunned.
MAX_INTEREST_CHARGE	HZ_CUST_PROFILE _AMTS	MAX_INTEREST_ CHARGE	Maximum interest to be charged per invoice for a currency.
MIN_STATEMENT_ AMOUNT	HZ_CUST_PROFILE _AMTS	MIN_STATEMENT_ AMOUNT	Minimum total a statement should have before the statement is printed.
AUTO_REC_MIN_RECEIPT _AMOUNT	HZ_CUST_PROFILE _AMTS	AUTO_REC_MIN_ RECEIPT_AMOUNT	Limits the minimum receipt amount for a currency.
INTEREST_RATE	HZ_CUST_PROFILE _AMTS	INTEREST_RATE	The interest rate to be charged to this customer account or site for invoices in this currency.

Document Field	Oracle Applications Table/View Name	Column Name	Description
MIN_FC_BALANCE_ AMOUNT	HZ_CUST_PROFILE _AMTS	MIN_FC_BALANCE_ AMOUNT	Minimum balance that a customer account or customer account site should have before any finance charges can be charged to invoices.
MIN_FC_INVOICE_ AMOUNT	HZ_CUST_PROFILE _AMTS	MIN_FC_INVOICE_ AMOUNT	Minimum balance on an invoice before any finance charges can be computed.

1.1.2 SITE_PHONES

Document Field	Oracle Applications Table/View Name	Column Name	Description
PHONE_NUMBER	HZ_CONTACT_ POINTS	PHONE_NUMBER	Telephone number in the local format.
STATUS	HZ_CONTACT_ POINTS	STATUS	Active or inactive status.
PHONE_TYPE	HZ_CONTACT_ POINTS	PHONE_LINE_TYPE	Lookup code for the type of phone line; for example general, fax, inbound, or outbound.
AREA_CODE	HZ_CONTACT_ POINTS	PHONE_AREA_CODE	Area code within a country code.
EXTENSION	HZ_CONTACT_ POINTS	PHONE_EXTENSION	Additional number used by an internal telephone system after the internal telephone system is contacted.
PRIMARY_FLAG	HZ_CONTACT_ POINTS	PRIMARY_FLAG	Indicates whether the primary contact point for this type for referenced party is site or location.
ORIG_SYSTEM_ REFERENCE	HZ_CONTACT_ POINTS	ORIG_SYSTEM_ REFERENCE	Identifier for this record from foreign system.
CONTACT_POINT_TYPE	HZ_CONTACT_ POINTS	CONTACT_POINT_ TYPE	Lookup values are contact_point_type phone, fax, email, web, telex, or edi.

Document Field	Oracle Applications Table/View Name	Column Name	Description
TELEPHONE_TYPE	HZ_CONTACT_ POINTS	TELEPHONE_TYPE	Indicates whether this is a fixed or mobile phone.
TIME_ZONE	HZ_CONTACT_ POINTS	TIME_ZONE	Time zone in the number of hours from Greenwich mean time.
PHONE_TOUCH_TONE_ TYPE_FLAG	HZ_CONTACT_ POINTS	PHONE_TOUCH_ TONE_TYPE_FLAG	Indicates whether this is a touch tone phone (Y) or a non–touch tone (N).
TELEX_NUMBER	HZ_CONTACT_ POINTS	TELEX_NUMBER	Reference number, usually a telephone number, to which you send TELEX messages.
WEB_TYPE	HZ_CONTACT_ POINTS	WEB_TYPE	Prefix class to a Web address, such as ftp or http.

1.1.3 SITE_CONTACTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
CONTACT_ID	HZ_CUST_ACCOUNT _ROLES	CUST_ACCOUNT _ROLE_ID	Unique identifier for the role played by the party in the customer account.
CONTACT_NUMBER	HZ_ORG_CONTACTS	CONTACT_ NUMBER	
TITLE	HZ_ORG_CONTACTS	TITLE	
TITLE_MEANING	AR_LOOKUPS	MEANING	Title meaning.
FIRST_NAME	HZ_PARTIES	PERSON_FIRST_ NAME	
LAST_NAME	HZ_PARTIES	PERSON_LAST_ NAME	
FIRST_NAME_ALT	AR_CONTACTS_V	HZ_CUST_ACCT_ RELATE_ALL	Alternate first name.
LAST_NAME_ALT	AR_CONTACTS_V	HZ_CUST_ACCT_ RELATE_ALL	Alternate second name.
STATUS	HZ_CUST_ACCOUNT _ROLES	CURRENT_ROLE_ STATE	Status of a role that the customer or party has assumed.

Document Field	Oracle Applications Table/View Name	Column Name	Description
JOB_TITLE	HZ_ORG_CONTACTS	JOB_TITLE	
MAIL_STOP	HZ_ORG_CONTACTS	MAIL_STOP	
ORIG_SYSTEM_REFERENCE	HZ_CUST_ACCOUNT_ROLES	ORIG_SYSTEM_REFERENCE	Reference to identify foreign system.
CONTACT_KEY	HZ_PARTIES	CUSTOMER_KEY	Derived key created by Oracle Sales and Marketing to facilitate querying.
EMAIL_ADDRESS	HZ_PARTIES	EMAIL_ADDRESS	

1.1.3.1 SITE_CONTACT_ROLES

Document Field	Oracle Applications Table/View Name	Column Name	Comments
CONTACT_ROLE_ID	HZ_ROLE_RESPONSIBILITY	CONTACT_ROLE_ID	Contact role id.
USAGE_CODE	HZ_ROLE_RESPONSIBILITY	RESPONSIBILITY_TYPE	Lookup for responsibility type.
ORIG_SYSTEM_REFERENCE	HZ_ROLE_RESPONSIBILITY	ORIG_SYSTEM_REFERENCE	Unique identifier from foreign system.
PRIMARY_FLAG	HZ_ROLE_RESPONSIBILITY	PRIMARY_FLAG	Indicates whether the primary role played by the representative for the account is primary.

1.7 CUSTOMER_RELATIONSHIPS

Document Field	Oracle Applications Table/View Name	Column Name	Description
RELATIONSHIP_TYPE_CODE	HZ_CUST_ACCT_RELATE_ALL	RELATIONSHIP_TYPE	Revenue accounting code for RELATIONSHIP_TYPE.
RELATED_CUSTOMER_NAME	HZ_PARTIES	PARTY_NAME	
RELATED_CUSTOMER_NUMBER	HZ_CUST_ACCOUNTS	ACCOUNT_NUMBER	
STATUS	HZ_CUST_ACCT_RELATE_ALL	STATUS	Active or inactive status.

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMMENTS	HZ_CUST_ACCT_RELATE_ALL	COMMENTS	Additional comments.
CUSTOMER_RECIPROCAL_FLAG	HZ_CUST_ACCT_RELATE_ALL	CUSTOMER_RECIPROCAL_FLAG	Indicates whether this relationship is reciprocal.
RELATIONSHIP_TYPE	HZ_CUST_ACCT_RELATE_ALL	RELATIONSHIP_TYPE	Revenue Accounting code for RELATIONSHIP_TYPE.
BILL_TO_FLAG	HZ_CUST_ACCT_RELATE_ALL	BILL_TO_FLAG	Bill to identifier.
SHIP_TO_FLAG	HZ_CUST_ACCT_RELATE_ALL	SHIP_TO_FLAG	Ship to identifier.

Send Journal Service

The name of this service is:

WmOAFIN1159.generalLedger1159.fromOA.journal:sendJournal

This service retrieves Journal information, such as general, recurring, mass allocation or reversing journal entries.

You must post the Journal entries to qualify them for sending to the trading partner.

While configuring the queryJournalTxn service, a java.outOfMemory error can occur. Because the database can have so many records, it would be unable to configure the service. One workaround is to use a restricting condition in the query, such as 1 = 2, so that the service configures successfully. After you have configured this service, remove the restricting condition from your transaction definitions. In addition, update the SQLOut parameters of the service's transactionRecord in the webMethods Developer and remove the restricting condition. (In this example, remove the 1 = 2 condition.)

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_journal.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_journal_vw.sql	Creates the following required view components for Journal outbound transactions: ■ WM_GL_JOURNALS_QRY_VW ■ WM_GL_JOURNALS_VW
wm_from_journal_trg.sql	Creates the following required trigger component to be used for writing to the WM_TRACKCHANGES table to indicate a new or updated document: ■ WM_GL_JE_LINES_IU_TRG
wm_disable_from_journal.sql	Disables the triggers installed by wm_from_journal_trg.sql.
wm_enable_from_journal.sql	Re-enables the triggers installed by wm_from_journal_trg.sql.
wm_drop_from_journal.sql	Uninstalls all components created by wm_install_from_journal.sql.

For more information about using database scripts, see"Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getJournalTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **lockTxnCtrl** determines whether the sendJournal service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

  - If lockTxnCtrl returns False, it means that another instance of this service is already in process. The service exits and waits for next scheduled execution.

  - If lockTxnCtrl returns True, it means that the service is ready to execute, the Journal row in the control table is locked and updated, and status is changed to INPROCESS. This prevents any other Journal service from executing.

- **getJournalTxn** queries the Oracle Applications database for any Journal Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

- **processBizDoc** is the customizable step that sends the business document to the recipient such as a trading partner by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the Error information. Transfer Status and any Error Information is logged against each document.

- Loop against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES table.

  - If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same sets of records are not picked up during next polling interval. **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and PROCESSED_DATE to sysdate so that same information is not picked up again during next polling instance.

  - If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

- Loop against each document. Based on the Transfer Status, **insertTransferERRInfo** service inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

■ **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendVendor service can begin.

■ Using **getLastError** service, any errors are logged. The unlockTxnCtrl service executes to release the lock on the Custom Control table.

For more details on send transactions, see .

Business Document Structure

This service uses the following business document structure:

■ JOURNAL

JOURNAL

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Value is JOURNAL.
DOCUMENT_STATUS			Value is INSERT.
JE_LINE_ID	GL_JE_LINES	JE_LINE_ID	Document identifier for outbound transactions. Not used for inbound transactions.
SET_OF_BOOKS_SHORT_NAME	GL_SETS_OF_BOOKS	SHORT_NAME	Set of Books short name.
ACCOUNTING_DATE	GL_JE_HEADERS	DATE_CREATED	
CURRENCY_CODE	GL_JE_HEADERS	CURRENCY_CODE	
DATE_CREATED	GL_JE_HEADERS	DATE_CREATED	
CREATED_BY			
CREATED_BY_EMPLOYEE_NUMBER	PER_ALL_PEOPLE_F	EMPLOYEE_NUMBER	
CREATED_BY_NAME	PER_ALL_PEOPLE_F	FULL_NAME	
ACTUAL_FLAG	GL_JE_HEADERS	ACTUAL_FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
CATEGORY_NAME	GL_JE_ HEADERS	JE_CATEGORY	
SOURCE_NAME	GL_JE_ HEADERS	JE_SOURCE	
CURRENCY_CONVERSION_ DATE	GL_JE_ HEADERS	CURRENCY_ CONVERSION_D ATE	
ENCUMBRANCE_TYPE	GL_ ENCUMBRANCE_ TYPES	ENCUMBRANCE_ TYPE	
BUDGET_NAME	GL_BUDGET_ VERSIONS	BUDGET_NAME	
USER_CURRENCY_ CONVERSION_TYPE	GL_JE_HEADERS	CURRENCY_ CONVERSION_ TYPE	
CURRENCY_CONVERSION_ RATE	GL_JE_HEADERS	CURRENCY_ CONVERSION_ RATE	
ENTERED_DR	GL_JE_LINES	ENTERED_DR	Entered debit.
ENTERED_CR	GL_JE_LINES	ENTERED_CR	Entered credit.
ACCOUNTED_DR	GL_JE_LINES	ACCOUNTED_DR	Accounted debit.
ACCOUNTED_CR	GL_JE_LINES	ACCOUNTED_ CR	Accounted credit.
REFERENCE	GL_JE_LINES	REFERENCE_1	
BATCH_NAME	GL_JE_BATCHES	NAME	
PERIOD_NAME	GL_JE_HEADERS	PERIOD_NAME	
ACCOUNT_CODE	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED _SEGMENTS	
STAT_AMOUNT	GL_JE_LINES	STAT_AMOUNT	Statistical amount.
INVOICE_DATE	GL_JE_LINES	INVOICE_DATE	Date value added tax descriptive flexfield column.

Document Field	Oracle Applications Table/View Name	Column Name	Description
TAX_CODE	GL_JE_LINES	TAX_CODE	Value-added tax descriptive flexfield column.
INVOICE_IDENTIFIER	GL_JE_LINES	INVOICE_ IDENTIFIER	Value-added tax descriptive flexfield column.
INVOICE_AMOUNT	GL_JE_LINES	INVOICE_ AMOUNT	Value-added tax descriptive flexfield column.
USSGL_TRANSACTION_CODE	GL_JE_HEADERS	USSGL_ TRANSACTION_ CODE	Government transaction code.
JGZZ_RECON_REF	GL_JE_HEADERS	JGZZ_RECON_ REF	Global reconciliation reference.
AVERAGE_JOURNAL	GL_JE_BATCHES	AVERAGE_ JOURNAL_FLAG	
ORIGINATING_BAL_SEGMENT _VALUE	GL_JE_HEADERS	ORIGINATING_ BAL_SEG_VALUE	Originating balancing segment value.
POSTED_DATE	GL_JE_HEADERS	POSTED_DATE	Date journal was posted.

Send Vendor Service

The name of this service is:

WmOAFIN1159.payables1159.fromOA.vendor:sendVendor

This service provides a list of new or changed vendors.

You set up Vendors (also known as Suppliers) in Oracle Applications Payables and Oracle Applications Purchasing to record information about individuals and companies from whom you purchase goods and services.

This service retrieves new or changed approved invoice records only. You set up Accounts Payable Invoices in Oracle Applications Payables to record invoice-related information.

There is no deletion of payments defined in Oracle Applications; therefore the document status of DELETE does not apply in this case. However, since Oracle Applications does not maintain the Invoice Approval History, the first approval for an invoice cannot be distinguished from subsequent invoices; therefore a business document is created with the document status of INSERT or UPDATE. The document status of DELETE does not apply.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_vendor.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_vendor_vw.sql	Creates the following required view components for customer outbound transactions: ■ WM_PO_VENDOR_SITES_ALL_VW ■ WM_PO_VENDOR_CONTACTS_VW ■ WM_BANK_ACCOUNT_USES_VENDOR_VW ■ WM_PO_VENDORS_QRY_VW ■ WM_BANK_ACC_USE_VEND_SITES_VW ■ WM_BANK_ACCOUNT_USES_VENDOR_VW
wm_triggers.trg	Creates the following trigger components: ■ WM_PO_VENDORS_IU_TRG ■ WM_PO_VENDOR_SITES_ALL_IU_TRG ■ WM_PO_VENDOR_CONTACTS_IUD_TRG ■ WM_AP_BANK_ACC_USE_ALL_IU_TRG
wm_disable_from_vendor.sql	Disables the triggers installed by wm_from_vendor_trg.sql.
wm_enable_from_vendor.sql	Re-enables the triggers installed by wm_from_vendor_trg.sql.
wm_drop_from_vendor.sql	Uninstalls all components created by wm_install_from_vendor.sql.

For more information about using database scripts, see.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

∎ getVendorTxn1159.txp

For information about using the transaction definition files to customize this service, see .

Flow Control

The main flow executes as follows:

∎ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

∎ lockTxnCtrl determines whether the sendVendor service is ready for execution. That is, it determines whether there is no other instance of this service already in process. If not, it takes control of processing in a single transaction. Specify VENDOR as value to the parameter P_TRANSACTION_TYPE.

  ∎ If lockTxnCtrl returns FALSE, it means that another instance of this service is already in process. The service exits, and waits for next scheduled execution.

  ∎ If lockTxnCtrl returns TRUE, it means that the service is ready to execute, the Vendor row in the control table is locked and updated to INPROCESS. This prevents any other Vendor service from executing. The $dbAlias, status (TRUE or FALSE) and message are retained at this step.

∎ getVendorTxn queries the Oracle Applications database for any Vendor Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

∎ processBizDoc is the customizable step that sends the business document to the recipient (such as Trading Partner) by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the Error information. The Transfer Status and the Error Information, if any, are logged against each document. Based on the Debug Mode, the record will be either purged or updated in the WM_TRACKCHANGES custom table. If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same sets of records are not picked up during next polling interval.

∎ updateTrackChanges updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and PROCESSED_DATE to sysdate so that same information is not picked up again during next polling instance. If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted

- **purgeTrackChanges** purges the records from the WM_TRACKCHANGES table. Based on the Debug Mode, the record will be either purged or updated in the WM_TRACKCHANGES table.

- **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendVendor service can begin.

- **getLastError** service logs any errors.

- **unlockTxnCtrl** releases the lock on the Custom Control table.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This service uses the following business document structure:

- 1.0 VENDORS

  - 1.1 BANK_ACCOUNTS

  - 1.2 VENDOR_SITES

    - 1.2.1 VENDOR_CONTACTS

    - 1.2.2 SITE_BANK_ACCOUNTS

1.0 VENDORS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			Populated from a sequence and used internally in the flow. Contains a null value for Queried Vendor data.
DOCUMENT_TYPE			Value is VENDOR.
DOCUMENT_STATUS			Valid values are INSERT, UPDATE, and QUERY.
VENDOR_ID	PO_VENDORS	VENDOR_ID	Unique vendor identifier in Oracle Applications.
VENDOR_NUMBER	PO_VENDORS	SEGMENT1	
VENDOR_NAME	PO_VENDORS	VENDOR_NAME	
ALTERNATE_VENDOR_N AME	PO_VENDORS	VENDOR_NAME_ ALT	

Document Field	Oracle Applications Table/View Name	Column Name	Description
VENDOR_TYPE	PO_VENDORS	VENDOR_TYPE_ LOOKUP_CODE	
EMPLOYEE_NUMBER	PER_ALL_PEOPLE_ F	EMPLOYEE_ NUMBER	Employee Number of the Employee if the same employee is set up as a supplier.
EMPLOYEE_NAME	PER_ALL_PEOPLE_ F	FULL_NAME	Full name of the employee.
PARENT_VENDOR_NUM BER	PO_VENDORS	SEGMENT1	Parent vendor number.
PARENT_VENDOR_NAM E	PO_VENDORS	VENDOR_NAME	Parent vendor name.
CUSTOMER_NUMBER	PO_VENDORS	CUSTOMER_NUM	Customer number as setup in vendor's system.
ONE_TIME_FLAG	PO_VENDORS	ONE_TIME_FLAG	If vendor is one-time.
MINIMUM_ORDER_ AMOUNT	PO_VENDORS	MIN_ORDER_ AMOUNT	Minimum order amount to order goods from the supplier.
BILL_LOC_ADDRESS_ LINE1	HR_LOCATIONS	ADDRESS_LINE_1	■ Region 1 stores county information. ■ Region 2 stores state code information. ■ BILL_LOC is Billing Location ■ SHIP_LOC is Shipping Location.
BILL_LOC_ADDRESS_ LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
BILL_LOC_ADDRESS_ LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
BILL_LOC_TOWN_OR_ CITY	HR_LOCATIONS	TOWN_OR_CITY	
BILL_LOC_REGION1	HR_LOCATIONS	REGION_1	
BILL_LOC_REGION2	HR_LOCATIONS	REGION_2	
BILL_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	

Document Field	Oracle Applications Table/View Name	Column Name	Description
BILL_LOC_POSTAL_ CODE	HR_LOCATIONS	POSTAL_CODE	
SHIP_LOC_ADDRESS_ LINE1	HR_LOCATIONS	ADDRESS_LINE_1	
SHIP_LOC_ADDRESS_ LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
SHIP_LOC_ADDRESS_ LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
SHIP_LOC_TOWN_OR_ CITY	HR_LOCATIONS	TOWN_OR_CITY	
SHIP_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
SHIP_LOC_POSTAL_ CODE	HR_LOCATIONS	POSTAL_CODE	
SHIP_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_LOC_REGION2	HR_LOCATIONS	REGION_2	
SHIP_VIA	PO_VENDORS	SHIP_VIA_LOOKUP _CODE	Stores shipping code.
FREIGHT_TERMS	PO_VENDORS	FREIGHT_TERMS_ LOOKUP_CODE	Stores freight terms code.
FOB	PO_VENDORS	FOB_LOOKUP_ CODE	Freight on board code.
TERMS	AP_TERMS_TL	NAME	Term name.
SET_OF_BOOKS_NAME	GL_SETS_OF_BOOK S	NAME	Set of books name as in Oracle Applications.
SET_OF_BOOKS_SHORT_ NAME	GL_SETS_OF_BOOK S	SHORT_NAME	Set of books short name.
CREDIT_STATUS	PO_VENDORS	CREDIT_STATUS_ LOOKUP_CODE	Credit status of the vendor.
CREDIT_LIMIT	PO_VENDORS	CREDIT_LIMIT	
ALWAYS_DISCOUNT_ FLAG	PO_VENDORS	ALWAYS_TAKE_ DISC_FLAG	
PAY_DATE_BASIS	PO_VENDORS	PAY_DATE_BASIS_L OOKUP_CODE	Type of payment date basis.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PAY_GROUP	PO_VENDORS	PAY_GROUP_ LOOKUP_CODE	
PAYMENT_PRIORITY	PO_VENDORS	PAYMENT_ PRIORITY	
INVOICE_CURRENCY_C ODE	PO_VENDORS	INVOICE_ CURRENCY_CODE	
PAYMENT_CURRENCY_C ODE	PO_VENDORS	PAYMENT_ CURRENCY_CODE	
INVOICE_AMOUNT_ LIMIT	PO_VENDORS	INVOICE_AMOUNT _LIMIT	
EXCHANGE_DATE_ CODE	PO_VENDORS	EXCHANGE_DATE_ LOOKUP_CODE	
HOLD_ALL_PAYMENTS	PO_VENDORS	HOLD_ALL_ PAYMENTS_FLAG	
HOLD_FUTURE_ PAYMENTS	PO_VENDORS	HOLD_FUTURE_ PAYMENTS_FLAG	
HOLD_REASON	PO_VENDORS	HOLD_REASON	
DISTRIBUTION_SET_ NAME	AP_DISTRIBUTION_ SETS	DISTRIBUTION_SET _NAME	
SUPPLIER_LIABILITY_ ACCOUNT	GL_CODE_COMBIN ATIONS_KFV	CONCATENATED_ SEGMENTS	Concatenated GL Code Combination.
NUMBER_1099	PO_VENDORS	NUM_1099	Tax payer ID.
TYPE_1099	PO_VENDORS	TYPE_1099	
WITHHOLDING_STATUS	PO_VENDORS	WITHHOLDING_ STATUS_LOOKUP_ CODE	
WITHHOLDING_START_ DATE	PO_VENDORS	WITHHOLDING_ START_DATE	
IRS_ORGANIZATION_ TYPE	PO_VENDORS	ORGANIZATION_ TYPE_LOOKUP_ CODE	
VAT_CODE	PO_VENDORS	VAT_CODE	
START_DATE_ACTIVE	PO_VENDORS	START_DATE_ ACTIVE	

Document Field	Oracle Applications Table/View Name	Column Name	Description
END_DATE_ACTIVE	PO_VENDORS	END_DATE_ ACTIVE	
MINORITY_GROUP	PO_VENDORS	MINORITY_GROUP _LOOKUP_CODE	
PAYMENT_METHOD	PO_VENDORS	PAYMENT_ METHOD_ LOOKUP_CODE	
BANK_ACCOUNT_ NAME	PO_VENDORS	BANK_ACCOUNT_ NAME	Name of the supplier bank account.
BANK_ACCOUNT_ NUMBER	PO_VENDORS	BANK_ACCOUNT_ NUM	Number of the supplier bank account.
BANK_NUMBER	PO_VENDORS	BANK_NUM	Bank number for the supplier.
BANK_ACCOUNT_TYPE	PO_VENDORS	BANK_ACCOUNT_ TYPE	
WOMEN_OWNED	PO_VENDORS	WOMEN_OWNED_ FLAG	Indicates whether the supplier is a woman–owned business.
SMALL_BUSINESS	PO_VENDORS	SMALL_BUSINESS_ FLAG	Indicates that the supplier is a small business.
STANDARD_INDUSTRY_ CLASS	PO_VENDORS	STANDARD_ INDUSTRY_CLASS	Standard Industry Classification number.
HOLD_FLAG	PO_VENDORS	HOLD_FLAG	
PURCHASING_HOLD_ REASON	PO_VENDORS	PURCHASING_ HOLD_REASON	Reason for placing the supplier on purchasing hold.
HOLD_BY_EMPLOYEE_ NUMBER	PER_ALL_PEOPLE_ F	EMPLOYEE_ NUMBER	
PER_HOLD_BY_FULL_ NAME	PER_ALL_PEOPLE_ F	FULL_NAME	Full name of employee.
HOLD_DATE	PO_VENDORS	HOLD_DATE	Date the supplier was placed on purchasing hold.
TERMS_DATE_BASIS	PO_VENDORS	TERMS_DATE_ BASIS	Type of invoice payment schedule basis.
PRICE_TOLERANCE	PO_VENDORS	PRICE_ TOLERANCE	

Document Field	Oracle Applications Table/View Name	Column Name	Description
INSPECTION_REQUIRED	PO_VENDORS	INSPECTION_ REQUIRED_FLAG	Indicates whether inspection is required.
RECEIPT_REQUIRED_ FLAG	PO_VENDORS	RECEIPT_ REQUIRED_FLAG	Indicates whether shipment must be received before the invoice is paid.
QUANTITY_RECEIVED_ TOLERANCE	PO_VENDORS	QTY_RCV_ TOLERANCE	Quantity of received tolerance percentage.
DAYS_EARLY_RECEIPT_ ALLOWED	PO_VENDORS	DAYS_EARLY_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received early.
DAYS_LATE_RECEIPT_ ALLOWED	PO_VENDORS	DAYS_LATE_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received late.
ALLOW_SUBSTITUTE_ RECEIPTS	PO_VENDORS	ALLOW_ SUBSTITUTE_ RECEIPTS_FLAG	Indicates whether substitute items can be received in place of the ordered items.
ALLOW_UNORDERED_ RECEIPTS	PO_VENDORS	ALLOW_UNORDER ED_RECEIPTS_ FLAG	Indicates whether unordered receipts are allowed.
HOLD_UNMATCHED_ INVOICES	PO_VENDORS	HOLD_UNMATCHE D_INVOICES_FLAG	Indicates whether unmatched invoices should be put on hold.
EXCLUSIVE_PAYMENT	PO_VENDORS	EXCLUSIVE_ PAYMENT_FLAG	
TAX_VERIFICATION_ DATE	PO_VENDORS	TAX_ VERIFICATION_DA TE	
STATE_REPORTABLE	PO_VENDORS	STATE_ REPORTABLE_ FLAG	
FEDERAL_REPORTABLE	PO_VENDORS	FEDERAL_ REPORTABLE_ FLAG	Federal Reportable Flag.
OFFSET_VAT	PO_VENDORS	OFFSET_VAT_ CODE	Offset VAT Code.

Document Field	Oracle Applications Table/View Name	Column Name	Description
VAT_REGISTRATION_ NUMBER	PO_VENDORS	VAT_ REGISTRATION_ NUM	Tax registration number.
AUTO_CALCULATE_INT EREST	PO_VENDORS	AUTO_CALCULATE _INTEREST_FLAG	Indicates whether interest is to be automatically calculated.
VALIDATION_NUMBER	PO_VENDORS	VALIDATION_ NUMBER	
EXCLUDE_FREIGHT_ FROM_DISCOUNT	PO_VENDORS	EXCLUDE_ FREIGHT_FROM_ DISCOUNT	
TAX_REPORTING_NAME	PO_VENDORS	TAX_REPORTING_ NAME	Tax reporting method name.
CHECK_DIGITS	PO_VENDORS	CHECK_DIGITS	Check number used by Payables.
BANK_NUM	PO_VENDORS	BANK_NUM	Bank number for Accounts Payable.
AUTO_TAX_ CALCULATION	PO_VENDORS	AUTO_TAX_CALC_ FLAG	
AUTO_TAX_ CALCULATION_OVERRI DE	PO_VENDORS	AUTO_TAX_CALC_ OVERRIDE	Allow calculation level override.
AMOUNT_INCLUDES_ TAX	PO_VENDORS	AMOUNT_ INCLUDES_TAX_ FLAG	Distribution amounts include tax.
BANK_CHARGE_BEARER	PO_VENDORS	BANK_CHARGE_ BEARER	Indicates whether this supplier gets bank charges.
BANK_BRANCH_TYPE	PO_VENDORS	BANK_BRANCH_ TYPE	Indicates list the bank routing number is on. Valid types are ABA, CHIPS, SWIFT, and OTHER.
MATCH_OPTION	PO_VENDORS	MATCH_OPTION	Indicates whether to match invoices to the purchase order or the receipt for this supplier.

Document Field	Oracle Applications Table/View Name	Column Name	Description
FUTURE_DATED_ PAYMENTS_ACCOUNT	GL_CODE_ COMBINATIONS_K FV	CONCATENATED_ SEGMENTS	Accounting flexfield identifier for the future dated payment account.
CREATE_DEBIT_MEMO	PO_VENDORS	CREATE_DEBIT_ MEMO_FLAG	Indicates whether a debit memo should be created.
OFFSET_FLAG	PO_VENDORS	OFFSET_TAX_FLAG	Indicates whether the supplier uses offset taxes.

1.1 BANK_ACCOUNTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_ACCOUNT_NAME	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NAME	
BANK_ACCOUNT_NUM	AP_BANK_ ACCOUNTS_ALL	BANK_ACCOUNT_ NUM	Bank account number.
CURRENCY_CODE	AP_BANK_ ACCOUNTS_ALL	CURRENCY_CODE	
BANK_NAME	AP_BANK_ BRANCHES	BANK_NAME	
BANK_NUMBER	AP_BANK_ BRANCHES	BANK_NUMBER	
BANK_BRANCH_NAME	AP_BANK_ BRANCHES	BANK_BRANCH_ NAME	
BANK_NUM	AP_BANK_ BRANCHES	BANK_NUM	
END_DATE	AP_BANK_ACCOUN TS_USES_ALL	START_DATE	
START_DATE	AP_BANK_ ACCOUNTS_USES_ ALL	END_DATE	
PRIMARY	AP_BANK_ ACCOUNT_USES_ ALL	PRIMARY_FLAG	Primary Bank Account flag.
ORG_ID	AP_BANK_ACCOUN T_USES_ALL	ORG_ID	Organization ID.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORGANIZATION_CODE	ORG_ ORGANIZATION_ DEFINITIONS	ORGANIZATION_ CODE	
ORGANIZATION_NAME	ORG_ ORGANIZATION_DE FINITIONS	ORGANIZATION_ NAME	

1.2 VENDOR_SITES

Document Field	Oracle Applications Table/View Name	Column Name	Description
VENDOR_SITE_ID	PO_VENDOR_SITES_ALL	VENDOR_SITE_ID	Vendor site unique identifier.
VENDOR_SITE_CODE	PO_VENDOR_SITES_ALL	VENDOR_SITE_CODE	Vendor site name.
ADDRESS_LINE1	PO_VENDOR_SITES_ALL	ADDRESS_LINE1	
ADDRESS_LINE2	PO_VENDOR_SITES_ALL	ADDRESS_LINE2	
ADDRESS_LINE3	PO_VENDOR_SITES_ALL	ADDRESS_LINE3	
CITY	PO_VENDOR_SITES_ALL	CITY	
STATE	PO_VENDOR_SITES_ALL	STATE	
ZIP	PO_VENDOR_SITES_ALL	ZIP	
PROVINCE	PO_VENDOR_SITES_ALL	PROVINCE	
COUNTRY	PO_VENDOR_SITES_ALL	COUNTRY	
AREA_CODE	PO_VENDOR_SITES_ALL	AREA_CODE	
PHONE	PO_VENDOR_SITES_ALL	PHONE	
ALTERNATE_ADDRE SS_LINE	PO_VENDOR_SITES_ALL	ADDRESS_LINES_ALT	
PURCHASING_SITE	PO_VENDOR_SITES_ALL	PURCHASING_SITE_ FLAG	Indicates whether you can purchase from this site.
RFQ_ONLY_SITE	PO_VENDOR_SITES_ALL	RFQ_ONLY_SITE_FLAG	Indicates whether you can only send RFQs to this site.
PAY_SITE	PO_VENDOR_SITES_ALL	PAY_SITE_FLAG	Indicates whether you can send payments to this site.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATTENTION_AR	PO_VENDOR_SITES_ALL	ATTENTION_AR_FLAG	Indicates whether the payments should be sent to the Account Receivables department.
CUSTOMER_ NUMBER	PO_VENDOR_SITES_ALL	CUSTOMER_NUMBER	Customer number with the supplier.
BILL_LOC_ADDRESS_ LINE1	HR_LOCATIONS	ADDRESS_LINE_1	■ Region 1 stores county information ■ Region 2 stores the state code information ■ BILL_LOC is Billing Location ■ SHIP_LOC is Shipping Location.
BILL_LOC_ADDRESS_ LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
BILL_LOC_ADDRESS_ LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
BILL_LOC_TOWN_OR _CITY	HR_LOCATIONS	TOWN_OR_CITY	
BILL_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
BILL_LOC_POSTAL_ CODE	HR_LOCATIONS	POSTAL_CODE	
BILL_LOC_REGION1	HR_LOCATIONS	REGION_1	
BILL_LOC_REGION2	HR_LOCATIONS	REGION_2	
SHIP_LOC_ADDRESS _LINE1	HR_LOCATIONS	ADDRESS_LINE_1	
SHIP_LOC_ADDRESS _LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
SHIP_LOC_ADDRESS _LINE3	HR_LOCATIONS	ADDRESS_LINE_3	

Document Field	Oracle Applications Table/View Name	Column Name	Description
SHIP_LOC_TOWN_ OR_CITY	HR_LOCATIONS	TOWN_OR_CITY	
SHIP_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
SHIP_LOC_POSTAL_C ODE	HR_LOCATIONS	POSTAL_CODE	
SHIP_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_LOC_REGION2	HR_LOCATIONS	REGION_2	
SHIP_VIA	PO_VENDOR_SITES_ALL	SHIP_VIA_LOOKUP_ CODE	Stores shipping code.
FREIGHT_TERMS	PO_VENDOR_SITES_ALL	FREIGHT_TERMS_ LOOKUP_CODE	Stores freight terms code.
FOB	PO_VENDOR_SITES_ALL	FOB_LOOKUP_CODE	Default Free on Board type.
INACTIVE_DATE	PO_VENDOR_SITES_ALL	INACTIVE_DATE	Inactive date for record.
FAX	PO_VENDOR_SITES_ALL	FAX	
FAX_AREA_CODE	PO_VENDOR_SITES_ALL	FAX_AREA_CODE	
TELEX	PO_VENDOR_SITES_ALL	TELEX	
PAYMENT_METHOD	PO_VENDOR_SITES_ALL	PAYMENT_METHOD_ LOOKUP_CODE	
BANK_ACCOUNT_ NAME	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_ NAME	Name of the supplier bank Account.
BANK_ACCOUNT_ NUMBER	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_ NUMBER	Number of the supplier bank Account.
BANK_NUM	PO_VENDOR_SITES_ALL	BANK_NUM	Bank Branch Number.
BANK_ACCOUNT_ TYPE	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_ TYPE	
TERMS_DATE_BASIS	PO_VENDOR_SITES_ALL	TERMS_DATE_BASIS	Type of payment date basis.
VAT_CODE	PO_VENDOR_SITES_ALL	VAT_CODE	
DISTRIBUTION_SET_ NAME	AP_DISTRIBUTION_SETS	DISTRIBUTION_SET_ NAME	

Document Field	Oracle Applications Table/View Name	Column Name	Description
SUPPLIER_LIABILITY_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Concatenated GL Code Combination.
PREPAY_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Concatenated GL Code Combination.
PAY_GROUP	PO_VENDOR_SITES_ALL	PAY_GROUP_LOOKUP_CODE	
PAYMENT_PRIORITY	PO_VENDOR_SITES_ALL	PAYMENT_PRIORITY	
TERMS	AP_TERMS_TL	NAME	
INVOICE_AMOUNT_LIMIT	PO_VENDOR_SITES_ALL	INVOICE_AMOUNT_LIMIT	
PAY_DATE_BASIS	PO_VENDOR_SITES_ALL	PAY_DATE_BASIS_LOOKUP_CODE	Type of payment date basis.
ALWAYS_DISCOUNT_FLAG	PO_VENDOR_SITES_ALL	ALWAYS_TAKE_DISC_FLAG	Indicates whether the discount applies to this site.
INVOICE_CURRENCY_CODE	PO_VENDOR_SITES_ALL	INVOICE_CURRENCY_CODE	
PAYMENT_CURRENCY_CODE	PO_VENDOR_SITES_ALL	PAYMENT_CURRENCY_CODE	
HOLD_ALL_PAYMENTS	PO_VENDOR_SITES_ALL	HOLD_ALL_PAYMENTS_FLAG	
HOLD_FUTURE_PAYMENTS	PO_VENDOR_SITES_ALL	HOLD_FUTURE_PAYMENTS_FLAG	
HOLD_REASON	PO_VENDOR_SITES_ALL	HOLD_REASON	
HOLD_UNMATCHED_INVOICES	PO_VENDOR_SITES_ALL	HOLD_UNMATCHED_INVOICES_FLAG	Indicates whether unmatched invoices should be put on hold.
EXCLUSIVE_PAYMENT	PO_VENDOR_SITES_ALL	EXCLUSIVE_PAYMENT_FLAG	
TAX_REPORTING_SITE	PO_VENDOR_SITES_ALL	TAX_REPORTING_SITE_FLAG	
VALIDATION_NUMBER	PO_VENDOR_SITES_ALL	VALIDATION_NUMBER	

Document Field	Oracle Applications Table/View Name	Column Name	Description
EXCLUDE_FREIGHT_FROM_DISCOUNT	PO_VENDOR_SITES_ALL	EXCLUDE_FREIGHT_FROM_DISCOUNT	Excludes supplier freight from discount amount.
VAT_REGISTRATION_NUMBER	PO_VENDOR_SITES_ALL	VAT_REGISTRATION_NUM	
OFFSET_VAT	PO_VENDOR_SITES_ALL	OFFSET_VAT_CODE	
ORGANIZATION_NAME	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_NAME	Name of organization corresponding to the operating unit.
ORGANIZATION_CODE	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_CODE	Organization code for operating unit.
CHECK_DIGITS	PO_VENDOR_SITES_ALL	CHECK_DIGITS	Check number used by Payables.
BANK_NUMBER	PO_VENDOR_SITES_ALL	BANK_NUM	Bank number for the supplier.
ADDRESS_LINE4	PO_VENDOR_SITES_ALL	ADDRESS_LINE4	
COUNTY	PO_VENDOR_SITES_ALL	COUNTY	
ADDRESS_STYLE	PO_VENDOR_SITES_ALL	ADDRESS_STYLE	
ALLOW_AWT	PO_VENDOR_SITES_ALL	ALLOW_AWT_FLAG	Withholding tax.
WITHOLDING_TAX_GROUP	AP_AWT_GROUPS	NAME	
AP_TAX_ROUNDING_RULE	PO_VENDOR_SITES_ALL	AP_TAX_ROUNDING_RULE	
AUTO_TAX_CALCULATION	PO_VENDOR_SITES_ALL	AUTO_TAX_CALC_FLAG	
AUTO_TAX_CALCULATION_OVERRIDE	PO_VENDOR_SITES_ALL	AUTO_TAX_CALC_OVERRIDE	
AMOUNT_INCLUDES_TAX	PO_VENDOR_SITES_ALL	AMOUNT_INCLUDES_TAX_FLAG	
BANK_CHARGE_BEARER	PO_VENDOR_SITES_ALL	BANK_CHARGE_BEARER	Indicator of if this supplier bears bank charges.

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_BRANCH_TYPE	PO_VENDOR_SITES_ALL	BANK_BRANCH_TYPE	The list the bank routing number is on. Valid type are: ■ ABA ■ CHIPS ■ SWIFT ■ OTHER
PAY_ON_CODE	PO_VENDOR_SITES_ALL	PAY_ON_CODE	
PAY_ON_RECEIPT_SUMMARY_CODE	PO_VENDOR_SITES_ALL	PAY_ON_RECEIPT_SUMMARY_CODE	Identifies how to consolidate receipts to create Invoices.
PCARD_SITE	PO_VENDOR_SITES_ALL	PCARD_SITE_FLAG	Indicates whether site allows use of P Card.
MATCH_OPTION	PO_VENDOR_SITES_ALL	MATCH_OPTION	Indicates whether the invoices match to POs or receipts.
COUNTRY_OF_ORIGIN	PO_VENDOR_SITES_ALL	COUNTRY_OF_ORIGIN_CODE	Country code of manufacturer.
FUTURE_DATED_PAYMENT_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Accounting flexfield for future dated payment.
CREATE_DEBIT_MEMO	PO_VENDOR_SITES_ALL	CREATE_DEBIT_MEMO_FLAG	Indicates whether debit memo should be created.
OFFSET_TAX	PO_VENDOR_SITES_ALL	OFFSET_TAX_FLAG	Indicates whether offset tax should be used.

1.2.1 VENDOR_CONTACTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
INACTIVE_DATE	PO_VENDOR_ CONTACTS	INACTIVE_ DATE	Date when the contact becomes inactive.
FIRST_NAME	PO_VENDOR_ CONTACTS	FIRST_NAME	
MIDDLE_NAME	PO_VENDOR_ CONTACTS	MIDDLE_NAME	
LAST_NAME	PO_VENDOR_ CONTACTS	LAST_NAME	
PREFIX	PO_VENDOR_ CONTACTS	PREFIX	
TITLE	PO_VENDOR_ CONTACTS	TITLE	
MAIL_STOP	PO_VENDOR_ CONTACTS	MAIL_STOP	
AREA_CODE	PO_VENDOR_ CONTACTS	AREA_CODE	
PHONE	PO_VENDOR_ CONTACTS	PHONE	
ALTERNATE_CONTACT_ NAME	PO_VENDOR_ CONTACTS	CONTACT_ NAME_ALT	
VENDOR_SITE_ID	PO_VENDOR_ CONTACTS	VENDOR_SITE_ ID	

1.2.2 SITE_BANK_ACCOUNTS

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_ACCOUNT_NAME	AP_BANK_ACCOUNTS _ALL	BANK_ACCOUNT _NAME	
BANK_ACCOUNT_NUM	AP_BANK_ACCOUNTS _ALL	BANK_ACCOUNT _NUM	
CURRENCY_CODE	AP_BANK_ACCOUNTS _ALL	CURRENCY_ CODE	
BANK_NAME	AP_BANK_BRANCHES	BANK_NAME	

Document Field	Oracle Applications Table/View Name	Column Name	Description
BANK_NUMBER	AP_BANK_BRANCHES	BANK_NUMBER	
BANK_BRANCH_NAME	AP_BANK_BRANCHES	BANK_BRANCH_ NAME	
BANK_NUM	AP_BANK_BRANCHES	Bank_NUM	Bank number.
START_DATE	AP_BANK_ACCOUNT_ USES_ALL	START_DATE	
END_DATE	AP_BANK_ACCOUNT_ USES_ALL	END_DATE	
PRIMARY	AP_BANK_ACCOUNT_ USES_ALL	PRIMARY_FLAG	Indicates whether it is the Primary Bank.
ORG_ID	AP_BANK_ACCOUNT_ USES_ALL	ORG_ID	
ORGANIZATION_CODE	ORG_ORGANIZATION_ DEFINITIONS	ORGANIZATION_ CODE	
ORGANIZATION_NAME	ORG_ORGANIZATION_ DEFINITIONS	ORGANIZATION_ NAMES	

webMethods.

Human Resource Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Human Resource package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter presents the transactions in alphabetical order.

Oracle Applications Module	Predefined Transaction Services
Human Resource	■ "Receive Employee Service" on page 240

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Receive Employee Service

The name of this service is:

WmOAHR1159.humanResource1159.intoOA.employee:receiveEmployee

This service imports employee information.

The Receive Employee service imports new and modified employee data into the Oracle Applications production tables. This predefined transaction service can handle multiple employee records in a single business document. Each record in the business document is inserted or updated according to the underlying Oracle Applications APIs and the data in the business document's columns. Each business document must contain an assignment child in the business document structure. Business documents can contain new employee records, modified employee records, or both.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_employee.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_employee_pkg.sql	Installs following components which calls the concurrent process to submit the employee information. ■ WM_EMP_IMP_HANDLER_PKG. WM_HANDLE_EMP ■ WM_EMPLOYEE_ASG_IMPORT_PKG. WM_EMP_CREATE_ASG ■ WM_EMPLOYEE_ASG_IMPORT_PKG. WM_EMP_UPDATE_ASG
wm_drop_into_employee.sql	Uninstalls all components created by wm_install_into_employee.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ EmployeeTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ importEmployee imports data into the production table using Oracle Applications HRMS APIs. It also uses the execEmployeeProg, execEmpAssignCreateProg, and execEmpAssignUpdateProg services to execute the required internal HRMS APIs. Since a single database transaction spans over multiple service calls for the inbound Employee transaction, set the AutoCommit setting to OFF to control the entire transaction through the webMethods service. If execution is successful, it commits the

entire transaction for Employee Header information and Employee Assignments information to the database. If the status of the execution is FAILED due to exceptions thrown by HRMS APIs or due to data error, it rolls back the entire transaction. When the execution status is FAILED, the HRMS returns the business error messages returned by the HRMS APIs captures them in the empImportResults document, which can then be sent to the trading partners.

■ **execEmployeeProg** invokes the stored procedure WM_EMP_IMP_HANDLER_PKG.WM_HANDLE_EMP that calls the corresponding HRMS APIs to import Employee data into the Oracle Applications system. This service produces a status ID, execution status message for normal concurrent program completion, a database stored procedure error message (if an exception occurs in the stored procedure execution), data errors (if the HRMS APIs capture any business errors), and any other output values that must be passed to create, update, or correct the Employee Assignments. If this service returns a status of FAILED, it rolls back the entire transaction and processes the next Employee information.

■ **execEmpAssignCreateProg** invokes the stored procedure WM_EMPLOYEE_ASG_IMPORT_PKG.WM_EMP_CREATE_ASG. This stored procedure creates new Employee Assignments using corresponding HRMS APIs to import Employee Assignments information into the Oracle Applications system. This service produces status ID, execution status message for normal concurrent program completion, a database stored procedure error message (if an exception occurs in the stored procedure execution), data errors (if the HRMS APIs capture any business errors), and any other output values. If this service returns the status of FAILED, the it rolls back the entire transaction and processes the next Employee information.

■ **execEmpAssignUpdateProg** invokes the stored procedure WM_EMPLOYEE_ASG_IMPORT_PKG.WM_EMP_UPDATE_ASG. This stored procedure updates existing Employee Assignments using the corresponding HRMS APIs to import updated Employee Assignments information into the Oracle Applications system. This service produces status ID, execution status message for normal concurrent program completion, database stored procedure error message (if an exception occurs in the stored procedure execution), data errors (if the HRMS APIs capture any business errors), and other output values. If this service returns the status of FAILED, it rolls back the entire transaction and processes the next Employee information.

For more details on receive transactions, see .

Business Document Structure

The business document structure is EmployeeBizDoc. Its structure is as follows:

- 1.0 .EMPLOYEE

    - 1.1 EMPLOYEE_ASSIGNMENTS

1.0 EMPLOYEE

Field Name	Description
ACTION	Required. Add or change employee information.
ACTION_SUBTYPE	Required. Values are Update or Correct.
EMPLOYEE NUMBER	Number assigned to existing employees. If the employee number generation is automatic in the applications for new employees, this field should be null.
EFFECTIVE_START_DATE	Required.
EFFECTIVE_END_DATE	
BUSINESS_GROUP_NAME	Required. Name of the business group to which the employee belongs.
PERSON_TYPE_CODE	Required. Example values are Employee, Consultant, or Temporary.
LAST_NAME	Required. Employee's last name.
FIRST_NAME	Employee's first name.
START_DATE	Required. Start date of hire for the employee.
APPLICANT_NUMBER	Number assigned to an applicant.
COMMENT	
DATE_EMPLOYEE_DATA_VERIFIED	Date when the employee last verified the data.
DATE_OF_BIRTH	Required.
DATE_OF_DEATH	
EMAIL_ADDRESS	
EXPENSE_CHECK_SEND_TO_ADDRESS	Mailing address.
FULL_NAME	Employee's full name.
KNOWN_AS	Preferred name, if different from first name.
PRIMARY_ADDRESS_FLAG	Required.
ADDRESS_STYLE	Required. Address style for specific region.

Field Name	Description
ADDRESS_TYPE	Required. Address type such as H for home or M for mailing.
ADDRESS_LINE1	Required. Corresponding address of the employee.
ADDRESS_LINE2	
ADDRESS_LINE3	
CITY	Required.
STATE	Required.
POSTAL_CODE	Required.
COUNTY	Required.
COUNTRY	Required.
PHONE_TYPE	Required. Customized field value for type of phone such as H1 for home or M for mobile.
TELEPHONE_NUMBER	Required. Phone number.
MARITAL_STATUS	Marital status of employee.
MIDDLE_NAME	Middle name of employee.
NATIONALITY	Nationality of employee.
NATIONAL_IDENTIFIER	Required. Number by which employee is identified in a given legislation.
PREVIOUS_LAST_NAME	Previous last name of person.
REGISTERED_DISABLED_FLAG	Indicates if the person is classified as disabled.
SEX	Required. Gender.
TITLE	Title such as Mr., Mrs., or Dr.
SUFFIX	Suffix after the surname such as Sr., Jr., or III.
WORK_SCHEDULE	
CORRESPONDENCE_LANGUAGE	Correspondence language for the employee.
STUDENT_STATUS	
FULL_TIME_EMPLOYMENT_CAPACITY	Employment capacity of the person.
ON_MILITARY_SERVICE_FLAG	Indicates whether the employee is away for military service.
SECOND_PASSPORT_EXISTS_FLAG	Indicates whether a second passport exists for the person.
BACKGROUND_CHECK_STATUS	Indicates whether background has been checked.

Field Name	Description
BACKGROUND_CHECK_DATE	The background check date.
BLOOD_TYPE	
LAST_MEDICAL_TEST_DATE	Date when last medical test was conducted.
LAST_MEDICAL_TEST_BY	Name of the doctor who conducted the medical test.
REHIRE_RECOMMENDATION	Recommendation for a rehired employee.
REHIRE_REASON	Reason for rehiring a person.
RESUME_EXISTS_FLAG	Indicates if résumé exists for the employee.
RESUME_LAST_UPDATED_DATE	Date when résumé of the person was last updated.
OFFICE_NUMBER	
INTERNAL_LOCATION	
MAILSTOP	Internal mail location.
HONORS	
PRE_NAME_ADJUNCT	Name prefix of the person.
COORD_BEN_MED_PLN_NO	Coordination of benefits medical group plan number.
COORD_BEN_NO_CVG_FLAG	Indicates if employee has other coverage for coordination of benefits.
DEPENDENT_ADOPTION_DATE	
DEPENDENT_VLNTRY_SERVICE_FLAG	Indicates if dependent works as a volunteer.
RECEIPT_OF_DEATH_CERTIFICATE_DATE	
USES_TOBACCO_FLAG	
BENEFIT_GROUP	Benefit group name.
ORIGINAL_DATE_OF_HIRE	Date when the employee was originally hired.
ADJUSTED_SVC_DATE	Previous date of hire for the employee.
TOWN_OF_BIRTH	
REGION_OF_BIRTH	
COUNTRY_OF_BIRTH	

1.1 EMPLOYEE_ASSIGNMENTS

Field Name	Description
ACTION	Required. Add or change an employee's assignment.
ACTION_SUBTYPE	Required. Valid values are Update or Correct.
ASSIGNMENT_NUMBER	Required, if modifying employee assignment number.
EFFECTIVE_START_DATE	Required.
EFFECTIVE_END_DATE	Required.
BUSINESS_GROUP_NAME	Required. Name of the business group to which the employee belongs.
RECRUITER_NAME	Name of the recruiter.
GRADE	Grade of the employee.
POSITION	Position of the employee.
JOB	Job name of the employee.
USER_ASSIGNMENT_STATUS	Required. Assignment status of the employee.
PAYROLL_NAME	Payroll name of the employee.
LOCATION_ADDRESS_LINE_1	Location address for the employee assignment.
LOCATION_ADDRESS_LINE_2	
LOCATION_ADDRESS_LINE_3	
LOCATION_CITY	
LOCATION_COUNTY	
LOCATION_STATE	
LOCATION_POSTAL_CODE	
LOCATION_COUNTRY	
PERSON_REFERRED_BY	Person who has referred the employee.
SUPERVISOR_NAME	Employee supervisor's name.
PROGRESSION_POINT_NAME_NUMBER	Number indicating the progression of the pay scale and their. incremental order number
RECRUITMENT_ACTIVITY_NAME	Recruitment activity name for the employee.
SOURCE_ORGANIZATION_NAME	Name of the source organization such as a Division or Business Unit.
ORGANIZATION_NAME	Required.
GROUP_NAME	Name of the group to which the employee belongs.

Field Name	Description
VACANCY_NAME	Name of the vacancy position.
PAY_BASIS	Basis of payment such as Annual, Hourly, or Monthly.
SALARY_APPROVED_FLAG	Indicates the payment approval.
RATE_BASIS	
SALARY_UOM	Unit of measure of the salary.
PROPOSED_SALARY	
ASSIGNMENT_TYPE	Required.
ASSIGNMENT_PRIMARY_FLAG	Required. Indicates if the assignment is primary.
CURRENT_EMPLOYER	Name of the current employer.
ASSIGNMENT_CHANGE_REASON	Reason of changing the current assignment.
COMMENT	
DATE_PROBATION_END	The ending probation date for the employee.
GL_ACCOUNT_NUMBER	General ledger account number.
EMPLOYMENT_CATEGORY	Category of the employment such as Full time or Intern.
NORMAL_WORKING_FREQUENCY	Normal frequency at which the employee works such as Day, Hour, Month, Week, or Year.
INTERNAL_ADDRESS_LINE	Internal address detail such as floor.
MANAGER_FLAG	Indicates if the employee for the assignment is a manager.
NORMAL_HOURS	Normal hours of work.
PERFORMANCE_REVIEW_PERIOD	
PERF_REVIEW_PERIOD_FREQUENCY	Frequency units. Use with PERF_REVIEW_PERIOD to define time between reviews.
TERMINATION_ACCEPTED_PERSON	Person accepting the termination of the employee.
ACCEPTED_TERMINATION_DATE	Date when termination of employment was accepted.
ACTUAL_TERMINATION_DATE	Actual date of termination of employment.
FINAL_PAYROLL_PROCESSED_DATE	Date when the final payroll for the employee is processed.
LAST_STANDARD_PROCESS_DATE	Last date for including the employee in any standard payroll processing.
LEAVING_REASON	Reason for termination of assignment.

Field Name	Description
NOTIFIED_TERMINATION_DATE	Date when termination of employment was noted.
PROJECTED_TERMINATION_DATE	Projected employment termination date.
PROBATION_PERIOD	Probation period for the employee.
PROBATION_UNIT	Unit of measure for the probation period.
SALARY_REVIEW_PERIOD	Period by which the salary is reviewed.
SALARY_REVIEW_PERIOD_FREQUENCY	Frequency by which the salary period is reviewed.
SET_OF_BOOKS_NAME	General ledger set of books name.
ASSIGNMENT_SOURCE_TYPE	Employment source name such as Advertisement, Agency, Walk-in, or Career fair.
WORK_TIME_NORMAL_FINISH	Normal time when the work is finished.
WORK_TIME_NORMAL_START	Normal time when the work starts.
BARGAINING_UNIT_CODE	Unit code for bargaining for payment decision such as United Auto Workers or International Steel Workers.
LABOUR_UNION_MEMBER_FLAG	Indicates employee is a labor union member.
HOURLY_SALARIED_CODE	Code indicating the payment type for the assignment, such as Hourly or Salary.
CONTRACT_TYPE	
COLLECTIVE_AGREEMENT_NAME	
ESTABLISHMENT_NAME	
ASSIGNMENT_TITLE	

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Manufacturing Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Manufacturing package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter lists the transactions in alphabetical order.

Oracle Applications Module	Predefined Transaction Services
Bills of Material	■ "Query BOM Revision Service" on page 252 ■ "Query BOM Routing Service" on page 254 ■ "Query Manufacturing BOM Service" on page 268 ■ "Receive Bills and Route Service" on page 272 ■ "Send Manufacturing BOM Service" on page 429
Cost Management	■ "Receive Periodic Cost Service" on page 361
Engineering	■ "Query Engineering BOM Service" on page 263 ■ "Send Engineering BOM Service" on page 391
Inventory	■ "Query Item Service" on page 264 ■ "Query Item Category Service" on page 266 ■ "Query On-Hand Quantity Service" on page 269 ■ "Receive Customer Item Cross Reference Service" on page 293 ■ "Receive Customer Item Service" on page 289 ■ "Receive Cycle Count Entry Service" on page 298 ■ "Receive Inventory Transaction Service" on page 320 ■ "Receive Item Service" on page 331 ■ "Receive Replenishment Service" on page 372 ■ "Send Item Service" on page 403
Master Scheduling	■ "Receive Forecast Service" on page 317 ■ "Receive Master Schedule Service" on page 353

Oracle Applications Module	Predefined Transaction Services
Quality Collection	■ "Receive Quality Collection Service" on page 367
Release Management	■ "Receive Demand Schedule Service" on page 303
Work in Process	■ "Receive Move Transaction Service" on page 356
	■ "Receive Resource Transaction Service" on page 377
	■ "Receive Work Order Service" on page 382

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Query BOM Revision Service

The name of this service is:

WmOAMFG1159.billsOfMaterial1159.queryOA.BOMRevision:queryBOMRevision

This service retrieves Bills of Material revisions from Oracle Manufacturing, based on the following parameters:

■ ORGANIZATION_NAME: Name of the organization.

■ ITEM: Item number.

■ REVISION: Revision of the parent item.

■ EFFECTIVITY_DATE_FROM: Beginning effective date.

■ EFFECTIVITY_DATE_TO: Ending effective date.

If none of the above mentioned parameters are entered, the query retrieves all rows from the Oracle Applications database.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_bomrevision.sql	Runs the scripts listed below, except the uninstall script.

Script	Description
wm_from_bomrevision_vw.sql	Creates the following required view component for BOM revision transactions: ■ WM_BOM_REVISIONS_QRY_VW
wm_drop_from_bomrevision.sql	Uninstalls all components created by wm_install_from_bomrevision.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryBOMRevisionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

You can query BOMRevision data using the following services:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ queryBOMRevisionTxn queries the Oracle Applications database for any BOMRevision Transaction to be processed. The number of records returned depends on the parameter value specified.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business document structure:

■ BOM_REVISIONS

BOM_REVISIONS

Document Field	Oracle Applications Table/View Name	Column Name	Description
ITEM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Concatenated flexfield segment constituting the item number.
INV_ORG_NAME	HR_ALL_ORGANIZATION_UNITS	NAME	Organization name.
REVISION	MTL_ITEM_REVISIONS	REVISION	Item revision code.
CHANGE_NOTICE	MTL_ITEM_REVISIONS	CHANGE_NOTICE	Engineering change order number.
ECN_INITIATION_DATE	MTL_ITEM_REVISIONS	ECN_INITIATION_DATE	Engineering Change initiation date.
IMPLEMENTATION_DATE	MTL_ITEM_REVISIONS	IMPLEMENTATION_DATE	Engineering Change implementation date.
EFFECTIVITY_DATE	MTL_ITEM_REVISIONS	EFFECTIVITY_DATE	Revision effective date.
REVISION_LABEL	MTL_ITEM_REVISIONS	REVISION_LABEL	Revision label.
REVISION_REASON	MTL_ITEM_REVISIONS	REVISION_REASON	Revision reason.

Query BOM Routing Service

The name of this service is:

WmOAMFG1159.billsOfMaterial1159.queryOA.BOMRouting:queryBOMRouting

This service retrieves information on the routing of parent, component, substitute items, and routing revisions, based on querying the following parameters:

■ ORGANIZATION_NAME: Name of the organization.

■ ITEM_NUMBER: Item number.

■ REVISION: Revision of the parent item.

■ EFFECTIVITY_DATE_FROM: Beginning effective date.

■ EFFECTIVITY_DATE_TO: Ending effective date.

If none of the above mentioned parameters are entered, the query retrieves all rows from the Oracle Applications database.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_bomrouting.sql	Runs the scripts listed below, except the uninstall script.
wm_from_bomrouting_vw.sql	Creates the following required view components for BOM Routing transactions: ■ WM_BOM_OP_ROUTING_QRY_VW ■ WM_MTL_RTG_ITEM_REVS_QRY_VW ■ WM_BOM_OP_SEQUENCES_QRY_VW ■ WM_BOM_OP_RESOURCES_QRY_VW
wm_drop_from_bomrouting.sql	Uninstalls all components created by wm_install_from_bomrouting.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryBOMRouting1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryBOMRouting executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **queryBOMRoutingTxn** queries the Oracle Applications database for any BOM Routings information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business document structure:

- 1.0. BOM_OP_ROUTINGS
    - 1.1. MTL_RTG_ITEM_REVS
    - 1.2. BOM_OP_SEQUENCES
        - 1.2.1. BOM_OP_RESOURCES

1.0. BOM_PO_ROUTINGS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use BOM_ROUTING.
DOCUMENT_STATUS			Use QUERY.
ROUTING_SEQUENCE_ID	BOM_OPERATIONAL_ ROUTINGS	ROUTING_ SEQUENCE_ID	Unique routing identifier.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Material item number.
ALTERNATE_ROUTING_ DESIGNATOR	BOM_OPERATI ONAL_ ROUTINGS	ALTERNATE_ ROUTING_ DESIGNATOR	Alternate routing designator.
ROUTING_TYPE	BOM_ OPERATIONAL _ROUTINGS	ROUTING_TYPE	Required for Insert. Use: 1 for Manufacturing or 2 for Engineering.
COMMON_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated item segments of the common routing.
COMMON_ORG_NAME	HR_ALL_ORGA NIZATION_ UNITS	NAME	Derived from columns COMMON_ITEM_NUMBER, COMMON_ORG_NAME and ALTERNATE_ROUTING_ DESIGNATOR.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ROUTING_COMMENT	BOM_ OPERATIONAL _ROUTINGS	ROUTING_ COMMENT	Specific comment about routing.
COMPLETION_SUBINVENTORY	BOM_ OPERATIONAL _ROUTINGS	COMPLETION_ SUBINVENTOR Y	Destination subinventory for assembly.
LOCATION_NAME	MTL_ITEM_ LOCATIONS	DESCRIPTION	Material item locations.
TRANSACTION_TYPE			Not required for outbound transactions.
LINE_CODE	WIP_LINES	LINE_CODE	WIP line code.
MIXED_MODEL_MAP_FLAG	BOM_ OPERATIONAL _ROUTINGS	MIXED_MODEL _MAP_FLAG	Indicates mixed model. Use: 1 for Yes or 2 for No.
PRIORITY	BOM_ OPERATIONAL _ROUTINGS	PRIORITY	
CFM_ROUTING_FLAG	BOM_ OPERATIONAL _ROUTINGS	CFM_ROUTING _FLAG	Indicates continuous flow or traditional routing. Use: 1 for Yes or 2 for No.
TOTAL_PRODUCT_CYCLE_ TIME	BOM_ OPERATIONAL _ROUTINGS	TOTAL_ PRODUCT_ CYCLE_TIME	Total time that an assembly takes along the primary path in the operation network calculated by Flow Manufacturing.
CTP_FLAG	BOM_ OPERATIONAL _ROUTINGS	CTP_FLAG	Indicates capacity must be checked when item is ordered.

1.1. MTL_RTG_ITEM_REVS

Document Field	Oracle Applications Table/View Name	Column Name	Description
ROUTING_SEQUENCE_ID	BOM_OPERATIONAL_ROUTINGS	ROUTING_SEQUENCE_ID	Unique routing identifier.
PROCESS_REVISION	MTL_RTG_ITEM_REVISIONS	PROCESS_REVISION	Routing revision code.
CHANGE_NOTICE	MTL_RTG_ITEM_REVISIONS	CHANGE_NOTICE	Engineering change order number.
ECN_INITIATION_DATE	MTL_RTG_ITEM_REVISIONS	ECN_INITIATION_DATE	Engineering Change order initiation date.
IMPLEMENTATION_DATE	MTL_RTG_ITEM_REVISIONS	IMPLEMENTATION_DATE	Engineering change order implementation date.
EFFECTIVITY_DATE	MTL_RTG_ITEM_REVISIONS	EFFECTIVITY_DATE	Revision effective date.
INVENTORY_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Concatenated item segments.
ORGANIZATION_NAME	HR_ALL_ORGANIZATION_UNITS	NAME	
TRANSACTION_TYPE	MTL_RTG_ITEM_REVISIONS	TRANSACTION_TYPE	Not required for outbound transactions.

1.2. BOM_OP_SEQUENCES

Document Field	Oracle Applications Table/View Name	Column Name	Description
ROUTING_SEQUENCE_ID	BOM_OPERATION_SEQUENCES	ROUTING_SEQUENCE_ID	Unique routing identifier.
OPERATION_SEQUENCE_ID	BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	Unique operation identifier.
OPERATION_SEQ_NUM	BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	Operation sequence number.

Document Field	Oracle Applications Table/View Name	Column Name	Description
OPERATION_LEAD_TIME_ PERCENT	BOM_ OPERATION_ SEQUENCES	OPERATION_ LEAD_TIME_ PERCENT	Indicates the amount of overlap its lead time has with the parent's lead time.
MINIMUM_TRANSFER_QUAN TITY	BOM_ OPERATION_ SEQUENCES	MINIMUM_ TRANSFER_ QUANTITY	Minimum operation transfer quantity.
COUNT_POINT_TYPE	BOM_ OPERATION_ SEQUENCES	COUNT_ POINT_TYPE	Use: Yes for auto charge, or No for direct charge
OPERATION_DESCRIPTION	BOM_ OPERATION_ SEQUENCES	OPERATION_ DESCRIPTION	
EFFECTIVITY_DATE	BOM_ OPERATION_ SEQUENCES	EFFECTIVITY_ DATE	Date operation is effective.
DISABLE_DATE	BOM_ OPERATION_ SEQUENCES	DISABLE_ DATE	Date operation is no longer effective.
BACKFLUSH_FLAG	BOM_ OPERATION_ SEQUENCES	BACKFLUSH_ FLAG	Indicates whether operation requires backflushing. Use: 1 for Yes or 2 for No.
OPTION_DEPENDENT_FLAG	BOM_ OPERATION_ SEQUENCES	OPTION_ DEPENDENT _FLAG	Indicates whether to use this operation in all configuration routings, even if no components of the configuration are in this routing. Use: 1 for Yes or 2 for No.
ALTERNATE_ROUTING_ DESIGNATOR	BOM_ OPERATION_ SEQUENCES	ALTERNATE_ ROUTING_ DESIGNATOR	
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated item segments.

Document Field	Oracle Applications Table/View Name	Column Name	Description
DEPARTMENT_CODE	BOM_ DEPARTMENTS	DEPARTMENT_ CODE	Required for Insert.
OPERATION_CODE	BOM_ STANDARD_ OPERATIONS	OPERATION_ CODE	Standard operation code.
OPERATION_TYPE	BOM_ OPERATION_ SEQUENCES	OPERATION_ TYPE	Use Process, Line Operation, or Event.
REFERENCE_FLAG	BOM_ OPERATION_ SEQUENCES	REFERENCE_ FLAG	If the standard operation is referenced or copied, then the operation cannot be updated. Use: 1 for Yes 2 for No
PROCESS_OP_SEQ_ID	BOM_ OPERATION_ SEQUENCES	PROCESS_OP_ SEQ_ID	Use only for events. Operation sequence identifier of parent process.
LINE_OP_SEQ_ID	BOM_ OPERATION_ SEQUENCES	LINE_OP_SEQ_ ID	Use only for events. Operation sequence identifier of the parent line operation.
YIELD	BOM_ OPERATION_ SEQUENCES	YIELD	Process yields at this operation.
REVERSE_CUMULATIVE_ YIELD	BOM_ OPERATION_ SEQUENCES	REVERSE_ CUMULATIVE_ YIELD	Cumulative process yield from end of routing to comparable operation.
LABOR_TIME_CALC	BOM_ OPERATION_ SEQUENCES	LABOR_TIME_ CALC	System-calculated run time for labor.
MACHINE_TIME_CALC	BOM_ OPERATION_ SEQUENCES	MACHINE_ TIME_CALC	System-calculated run time for machines.
TOTAL_TIME_CALC	BOM_ OPERATION_ SEQUENCES	TOTAL_TIME_ CALC	System-calculated run time for labor and machines.
LABOR_TIME_USER	BOM_ OPERATION_ SEQUENCES	LABOR_TIME_ USER	User-calculated run time for labor.

Document Field	Oracle Applications Table/View Name	Column Name	Description
MACHINE_TIME_USER	BOM_ OPERATION_ SEQUENCES	MACHINE_ TIME_USER	User-calculated run time for machines.
TOTAL_TIME_USER	BOM_ OPERATION_ SEQUENCES	TOTAL_TIME_ USER	User-calculated run time for labor and machines.
NET_PLANNING_PERCENT	BOM_ OPERATION_ SEQUENCES	NET_ PLANNING_ PERCENT	Cumulative planning percents derived from the operation network.
INCLUDE_IN_ROLLUP	BOM_ OPERATION_ SEQUENCES	INCLUDE_IN_ ROLLUP	Indicates whether operation yield is considered in cost rollup.
OPERATION_YIELD_ENABLED	BOM_ OPERATION_ SEQUENCES	OPERATION_ YIELD_ENABLE D	Indicates whether operation yield is considered during costing.

1.2.1. BOM_OP_RESOURCES

Document Field	Oracle Applications Table View Name	Column Name	Description
OPERATION_SEQUENCE_ID	BOM_ OPERATION_ RESOURCES	OPERATION_ SEQUENCE_ID	
RESOURCE_SEQ_NUM	BOM_ OPERATION_ RESOURCES	RESOURCE_ SEQ_NUM	Resource sequence number.
STANDARD_RATE_FLAG	BOM_ OPERATION_ RESOURCES	STANDARD_ RATE_FLAG	Indicates standard rate for shop floor transactions. Use: 1 for Yes 2 for No.
ASSIGNED_UNITS	BOM_ OPERATION_ RESOURCES	ASSIGNED_ UNITS	Resource units assigned.
USAGE_RATE_OR_AMOUNT	BOM_ OPERATION_ RESOURCES	USAGE_RATE_ OR_AMOUNT	Resource usage rate.

Document Field	Oracle Applications Table View Name	Column Name	Description
USAGE_RATE_OR_AMOUNT_ INVERSE	BOM_ OPERATION_ RESOURCES	USAGE_RATE_ OR_AMOUNT_ INVERSE	Resource usage rate inverse.
BASIS_TYPE	BOM_ OPERATION_ RESOURCES	BASIS_TYPE	Use: 1 for Item, 2 for Lot, 3 for Resource Units, 4 for Resource Value, 5 for Total Value, 6 for Activity.
SCHEDULE_FLAG	BOM_ OPERATION_ RESOURCES	SCHEDULE_ FLAG	Indicates whether to schedule the resource. Use: 1 for Yes, 2 for No, 3 for Prior, 4 for Next.
RESOURCE_OFFSET_PERCENT	BOM_ OPERATION_ RESOURCES	RESOURCE_ OFFSET_ PERCENT	Resource offset percent from the start of the routing.
AUTOCHARGE_TYPE	BOM_ OPERATION_ RESOURCES	AUTOCHARGE _TYPE	Autocharge type for shopfloor moves. Use: 1 for WIP move, 2 for Manual, 3 for PO receipt, 4 for PO move.
ALTERNATE_ROUTING_ DESIGNATOR	BOM_ OPERATIONAL _ROUTINGS	ALTERNATE_ ROUTING_ DESIGNATOR	Alternate designator code.
OPERATION_SEQ_NUM	BOM_ OPERATION_ SEQUENCES	OPERATION_ SEQ_NUM	Operation sequence number.
EFFECTIVITY_DATE	BOM_ OPERATION_ SEQUENCES	EFFECTIVITY_ DATE	Effective date.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.

Document Field	Oracle Applications Table View Name	Column Name	Description
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Concatenated item segments.
RESOURCE_CODE	BOM_RESOURCES	RESOURCE_CODE	Resource name.
ACTIVITY	CST_ACTIVITIES	ACTIVITY	Activity name.
TRANSACTION_TYPE			Not used for outbound transactions.
NEW_RESOURCE_SEQ_NUM			Not used for outbound transactions.

Query Engineering BOM Service

The name of this service is:

WmOAMFG1159.engineering1159.queryOA.engineeringBOM:queryEngineeringBOM

This service retrieves information on the parent, component, and substitute Engineering Bills of Material items, as well as revisions. It retrieves this information based on the following parameters:

- ORGANIZATION_NAME: Organization Name.

- ITEM_NUMBER: Item Number.

- UNIT_OF_MEASURE: Unit of Measure.

- EFFECTIVITY_DATE_FROM: Effective Date.

- EFFECTIVITY_DATE_TO: Effective Date.

If none of the above mentioned parameters are entered, the query retrieves all rows from the Oracle Applications database.

Database Scripts

This service uses the same database scripts as the Send Engineering BOM service.

Note: If you use this service but you do *not* use the Send Engineering BOM service, you should run the wm_disable_from_engbom.sql script to disable the triggers installed by the Send Engineering BOM service.

For a detailed description of these database scripts, see "Send Engineering BOM Service" on page 391. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryEngineeringBOMTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

You can query Engineering Bills of Material data using the following services:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **queryEngineeringBOMTxn** queries the Oracle Applications database for any Engineering BOM information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

The Query Engineering BOM service uses the same business document structure as the Send Engineering BOM service. For a detailed description of the business document's structure, see "Send Engineering BOM Service" on page 391.

Query Item Service

The name of this service is:

WmOAMFG1159.inventory1159.queryOA.item:queryItem

This service queries item information, based on the following parameters:

■ ORGANIZATION_NAME: Name of the organization.

■ ITEM_NUMBER: Item number.

■ INACTIVE_DATE_FROM: Beginning inactive date.

■ INACTIVE_DATE_TO: Ending inactive date.

■ REVISION: Number of an item.

Database Scripts

This service uses the same database scripts as the Send Item service.

> Note: If you use this service but you do *not* use the Send Item service, you should run the wm_disable_from_invitem.sql script to disable the triggers installed by the Send Item service.

For a detailed description of these database scripts, see "Send Item Service" on page 403. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryItemTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryItem executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ queryItemTxn queries the Oracle Applications database for any Item information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Item service. For a detailed description of the business document's structure, see "Send Item Service" on page 403.

Query Item Category Service

The name of this service is:

WmOAMFG1159.inventory1159.queryOA.itemCategory:queryItemCategory

This service queries item category information, based on the following parameters:

- CATEGORY_NAME: Category name.

- STRUCTURE_NAME: Category set name.

- INACTIVE_DATE_FROM: Beginning inactive date.

- INACTIVE_DATE_TO: Ending inactive date.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_itemcategory.sql	Runs the scripts listed below, except the uninstall script.
wm_from_itemcategory_vw.sql	Creates the following required view component: ■ WM_INV_ITEM_CATEGORY_QRY_VW
wm_drop_from_itemcategory.sql	Uninstalls all components created by wm_install_from_itemcategory.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryItemCategoryTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryItemCategory executes as follows. If no input parameters are specified, the query returns all rows.

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **queryItemCategoryTxn** queries the Oracle Applications database for any Item Category records matching the parameter values. The parameters are defined as the input to this service. This service takes four inputs: CATEGORY_NAME, STRUCTURE_NAME, INACTIVE_DATE_FROM, and INACTIVE_DATE_TO.

For more details on query transactions, see .

Business Document Structure

This service uses the following business document structure:

- ITEM_CATEGORY

ITEM_CATEGORY

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID		Not used	Not used for query outbound transactions.
DOCUMENT_TYPE			Use ITEMCATEGORY.
DOCUMENT_STATUS			Use QUERY.
CATEGORY	MTL_ CATEGORIES_V	CATEGORY_ CONCAT_SEGS	Segmented Category Name.
STRUCTURE	MTL_ CATEGORIES_V	STRUCTURE	Category set name.
INACTIVE_ON_DATE	MTL_ CATEGORIES_V	DISABLE_DATE	
SUMMARY_FLAG	MTL_ CATEGORIES_V	SUMMARY_ FLAG	
ENABLED_FLAG	MTL_ CATEGORIES_V	ENABLED_ FLAG	
CATEGORY_DESCRIPTION	MTL_ CATEGORIES_V	DESCRIPTION	

Document Field	Oracle Applications Table/View Name	Column Name	Description
SUPPLIER_ENABLED_FLAG	MTL_ CATEGORIES_V	SUPPLIER_ENA BLED_FLAG	Viewable by supplier.
WEB_STATUS	MTL_ CATEGORIES_V	WEB_STATUS	Enabled for iProcurement.

Query Manufacturing BOM Service

The name of this service is:

WmOAMFG1159.billsOfMaterial1159.queryOA.manufacturingBOM:queryManufacturingBOM

This service retrieves information on parent, component, and substitute Manufacturing Bills of Material items, as well as revisions. It retrieves this information based on the following parameters:

- ORGANIZATION_NAME: Organization name.

- ITEM_NUMBER: Item number.

- REVISION: Revision of the parent item.

- EFFECTIVITY_DATE_FROM: Beginning effective date.

- EFFECTIVITY_DATE_TO: Ending effective date.

If none of the above mentioned parameters are entered, the query retrieves all rows from the Oracle Applications database.

Database Scripts

This service uses the same database scripts as the Send Manufacturing BOM service.

Note: If you use this service but you do *not* use the Send Manufacturing BOM service, you should run the wm_disable_from_mfgbom.sql script to disable the triggers installed by the Send Manufacturing BOM service.

For a detailed description of these database scripts, see "Send Manufacturing BOM Service" on page 429. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■   queryManufacturingBOMTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryManufacturingBOM executes as follows:

■   **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■   **queryManufacturingBOMTxn** queries the Oracle Applications database for any Manufacturing BOM information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Manufacturing BOM service. For a detailed description of the business document's structure, see "Send Manufacturing BOM Service" on page 429.

Query On-Hand Quantity Service

The name of this service is:

WmOAMFG1159.inventory1159.queryOA.onHandQuantity:queryOnHandQuantity

This service retrieves the on-hand quantities for a particular item, based on the following parameters:

■   ITEM_NUMBER: Part number of the item as defined in Oracle Applications.

■   REVISION: Revision number of the item.

■   ORGANIZATION_NAME: Name of the inventory organization.

■   SUBINVENTORY_CODE: Subinventory code.

■   LOCATOR: Locator code.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_onhandquantity.sql	Runs the scripts listed below, except the uninstall script.
wm_from_onhandquantity_vw.sql	Creates the following required view component: ■ WM_INV_ONHAND_QRY_VW
wm_drop_from_onhandquantity.sql	Uninstalls all components created by wm_install_from_onhandquantity.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses following transaction definition:

■ queryOnHandQuantityTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryOnHandQuantity executes as follows. If no input parameters are specified, the query returns all rows.

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **queryOnHandQuantityTxn** queries the Oracle Applications database for any Inventory-On Hand records matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business document structure:

■ ON_HAND_QUANTITY

ON_HAND_QUANTITY

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID		Not used	Not used for query outbound transactions.
DOCUMENT_TYPE			INVONHAND will be populated in this field.
DOCUMENT_STATUS			QUERY will be populated in this field.
INVENTORY_ITEM_ID	MTL_ONHAND _QUANTITIES_ DETAIL	INVENTORY_ ITEM_ID	
ORGANIZATION_ID	MTL_ONHAND _QUANTITIES_ DETAIL	ORGANIZATIO N_ID	
ITEM_NUMBER	MTL_SYSTEM_ ITEMS_KFV	CONCATENATE D_SEGMENTS	Concatenated segments.
REVISION	MTL_ONHAND _QUANTITIES_ DETAIL	REVISION	
TOTAL_QOH	MTL_ONHAND _QUANTITIES_ DETAIL	PRIMARY_ TRANSACTION _QUANTITY	Transaction quantity.
SUBINVENTORY_CODE	MTL_ONHAND _QUANTITIES	SUBINVENTOR Y_CODE	
LOCATOR	MTL_ITEM_ LOCATIONS_ KFV	CONCATENATE D_SEGMENTS	Concatenated Locator.
ITEM_DESCRIPTION	MTL_SYSTEM_ ITEMS_KFV	DESCRIPTION	
PRIMARY_UOM_CODE	MTL_SYSTEM_ ITEMS_KFV	PRIMARY_UOM _CODE	Primary unit of measure code.
ORGANIZATION_CODE	MTL_ PARAMETERS	ORGANIZATIO N_CODE	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORGANIZATION_NAME	HR_ORGANIZATION_UNITS	NAME	
LOCATOR_TYPE	MTL_SECONDARY_INVENTORIES	LOCATOR_TYPE	
ITEM_REV_CONTROL	MTL_SYSTEM_ITEMS_KFV	REVISION_QTY_CONTROL_CODE	
ITEM_LOCATOR_CONTROL	MTL_SYSTEM_ITEMS_KFV	LOCATION_CONTROL_CODE	
ITEM_LOT_CONTROL	MTL_SYSTEM_ITEMS_KFV	LOT_CONTROL_CODE	
ITEM_SERIAL_CONTROL	MTL_SYSTEM_ITEMS_KFV	SERIAL_NUMBER_CONTROL_CODE	

Receive Bills and Route Service

The name of this service is:

WmOAMFG1159.billsOfMaterial1159.intoOA.billsAndRoute:receiveBillsAndRoute

This service creates, updates, and deletes Manufacturing and Engineering Bills of Material and product families. Based on the attributes of the parent item, the program creates planning, model, option class, and standard Bills of Material.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_bom.sql	Runs the scripts listed below, except the uninstall script.
wm_into_bom_pkg.sql	Installs WM_BOM_IMP_HANDLER_PKG.WM_HANDLE_BOM, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Bills and Routing Import process.
wm_drop_into_bom.sql	Uninstalls all components created by wm_install_into_bom.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses services defined in the following transaction definitions:

■ setBillsAndRouteTxn1159.txp

■ BillsAndRouteTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import Bills of Material transactions:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables). This service uses the following services internally to provide required data feed during the mapping:

■ **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

- **commonLookup** is a transformer for mapping the business document IData structure to the line interface IData structure. This finds the lookup code for the particular lookup type.

- **convertToDateObject** converts the text date format into object date format. This is a transformer in the bizDocMapping.

- **getRevisedItemSeqId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes REVISED_ITEM_NUM, REVISION and ORG_NAME as input parameters to get the corresponding REVISED_ITEM_SEQUENCE_ID.

- **bomItemTypeLookup** is a transformer for mapping the business document IData structure to the line interface IData structure. This finds the lookup code for the particular lookup type BOM_ITEM_TYPE.

- **getCommonRtgSeqId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes COMMON_ITEM_NUMBER, COMMON_ORG_NAME, and ALT_RTG_DSG as input parameters to get the corresponding ROUTING_SEQUENCE_ID.

- **getComponentSeqId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ASSEMBLY_ITEM_NUMBER, ITEM_COMPONENT_NUMBER, OPERATION_SEQ_NUM, EFFECTIVE_DATE, ORG_NAME, and ALT_BOM_DSG as input parameters to get the corresponding COMPONENT_ SEQUENCE_ID.

- **setBillsAndRouteTxn** inserts data into the Bills and Route interface tables.

- **importBillsAndRoute** imports data to the production table from the interface table. To monitor the import process, it then sequentially invokes the services execBillsAndRouteConcProg, checkBillsAndRouteImportStatus, and getBillsAndRouteImport_ERR. If the status of execution is FAILED, this step maps the dbErrorMsg and concProgMsg record list. Otherwise, it checks for data errors that occurred during the import, and maps them to errorsDoc.

  - **execBillsAndRouteConcProg** inserts data into the production table. It picks up data from the Interface tables corresponding to Bills And Route Interface and inserts data into the production tables.

  - **checkBillsAndRouteImportStatus** queries the MTL_INTERFACE_ERRORS table to find the number of erroneous rows for the passed REQUEST ID.

  - **getBillsAndRouteImport_ERR** gets the error message that occurs during the data import to the production table from the interface table.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document BOMBizDoc. Its structure is as follows:

- 1.0. BOM_BILL_OF_MTLS
  - 1.1. MTL_ITEM_REVISIONS
  - 1.2. BOM_INVENTORY_COMPS
    - 1.2.1. BOM_SUB_COMPS
    - 1.2.2. BOM_REF_DESGS
- 2.0. BOM_OP_ROUTINGS
  - 2.1. MTL_RTG_ITEM_REVS
  - 2.2. BOM_OP_SEQUENCES
    - 2.2.1. BOM_OP_RESOURCES

1.0. BOM_BILL_OF_MTLS (Maps to BOM_BILL_OF_MTLS_INTERFACE)

Field Name	Maps to Column	Description
BILL_SEQUENCE_ID		Not used for Bills of Material inbound transactions.
ITEM_NUMBER	ITEM_NUMBER	Required. Concatenated segments.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
COMMON_ITEM_NUMBER	COMMON_ITEM_NUMBER	Required if referencing a common Bill of Materials.
COMMON_ORG_NAME	COMMON_ORGANIZATION_ ID	Required if referencing a common Bill of Materials. Use HR_ALL_ORGANIZATION_ UNITS to derive COMMON_ORGANIZATION_ ID.
ALTERNATE_BOM_ DESIGNATOR	ALTERNATE_BOM_ DESIGNATOR	Required if creating an alternate Bill of Materials.
SPECIFIC_ASSEMBLY_ COMMENT	SPECIFIC_ASSEMBLY_ COMMENT	Specific assembly comment about Bill of Materials.

Field Name	Maps to Column	Description
PENDING_FROM_ECN	PENDING_FROM_ECN	Engineering Change notice that created this Bill of Materials.
ASSEMBLY_TYPE	ASSEMBLY_TYPE	Required for Create. Use: 1 for Manufacturing or 2 for Engineering.
DEMAND_SOURCE_LINE	DEMAND_SOURCE_LINE	For ATO.
SET_ID	SET_ID	Set identifier for ATO.
DEMAND_SOURCE_TYPE	DEMAND_SOURCE_TYPE	For ATO.
DEMAND_SOURCE_HEADER_ID	DEMAND_SOURCE_HEADER_ID	Demand source header identifier.
NEXT_EXPLODE_DATE	NEXT_EXPLODE_DATE	Next date when pre-explosion will be refreshed.
REVISION	REVISION	Bill revision.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.
UOM		Not used for Bills of Material inbound transactions.

1.1. MTL_ITEM_REVISIONS (Maps to MTL_ITEM_REVISIONS_INTERFACE)

Field Name	Maps to Column	Description
BILL_SEQUENCE_ID		Not used for Bills of Material inbound transactions.
ITEM_NUMBER	ITEM_NUMBER	Required. Concatenated segments.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
REVISION	REVISION	Required. Item revision code.
CHANGE_NOTICE	CHANGE_NOTICE	Engineering change order number.
ECN_INITIATION_DATE	ECN_INITIATION_DATE	Engineering Change order initiation date.
IMPLEMENTATION_DATE	IMPLEMENTATION_DATE	Engineering change order implementation date.

Field Name	Maps to Column	Description
EFFECTIVITY_DATE	EFFECTIVITY_DATE	Revision effective date.
REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID	Revised Item sequence ID.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.

1.2. BOM_INVENTORY_COMPS (Maps to BOM_INVENTORY_COMPS_INTERFACE)

Field Name	Maps to Column	Description
BILL_SEQUENCE_ID		Not used for Bills of Material inbound transactions.
ASSEMBLY_ITEM_NUMBER	ASSEMBLY_ITEM_NUMBER	Required. Inventory item number of manufactured assembly.
ALTERNATE_BOM_ DESIGNATOR	ALTERNATE_BOM_ DESIGNATOR	Required if alternate Bill of Materials.
REFERENCE_DESIGNATOR	REFERENCE_DESIGNATOR	Component reference designator.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
COMPONENT_ITEM_NUMBER	COMPONENT_ITEM_NUMBER	Required.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUM	Required. Operation sequence number.
ITEM_NUM	ITEM_NUM	Item sequence within Bill of Materials structure.
EFFECTIVITY_DATE	EFFECTIVITY_DATE	Required. Effective date.
LOCATION_NAME	LOCATION_NAME	Supply locator name.
SUBSTITUTE_COMP_NUMBER	SUBSTITUTE_COMP_NUMBER	Concatenated item segments of the substitute component.
COMPONENT_QUANTITY	COMPONENT_QUANTITY	Required. Quantity of component in Bill of Materials.
COMPONENT_YIELD_FACTOR	COMPONENT_YIELD_FACTOR	Required. Factor used to multiply component quantity with to obtain required component quantity.
COMPONENT_REMARKS	COMPONENT_REMARKS	

Field Name	Maps to Column	Description
CHANGE_NOTICE	CHANGE_NOTICE	Engineering change order number.
IMPLEMENTATION_DATE	IMPLEMENTATION_DATE	Date on which engineering change order was implemented.
DISABLE_DATE	DISABLE_DATE	
PLANNING_FACTOR	PLANNING_FACTOR	Required. Factor used to multiply component quantity with to obtain planning quantity.
QUANTITY_RELATED	QUANTITY_RELATED	Required. Indicates whether this component has quantity related reference designators. Use: 1 for Yes 2 for No.
SO_BASIS	SO_BASIS	Quantity basis used by Oracle Order Management to determine how many units of component to put on an order. Use: 1 for Yes 2 for No.
OPTIONAL	OPTIONAL	Flag indicating if component is optional in bill. Use: 1 for Yes 2 for No.
MUTUALLY_EXCLUSIVE_ OPTIONS	MUTUALLY_EXCLUSIVE_ OPTIONS	Flag indicating if one or more children of component can be picked when taking an order. Use: 1 for Yes 2 for No.
INCLUDE_IN_COST_ROLLUP	INCLUDE_IN_COST_ROLLUP	Required. Flag indicating if this component is to be used when rolling up costs. Use: 1 for Yes 2 for No.
CHECK_ATP	CHECK_ATP	Required. Flag indicating if ATP check is required. Use: 1 for Yes 2 for No.

Field Name	Maps to Column	Description
SHIPPING_ALLOWED	SHIPPING_ALLOWED	Flag indicating if component is allowed to ship. Use: 1 for Yes 2 for No.
REQUIRED_TO_SHIP	REQUIRED_TO_SHIP	Flag indicating if component is required to ship. Use: 1 for Yes 2 for No.
REQUIRED_FOR_REVENUE	REQUIRED_FOR_REVENUE	Flag indicating if component is required for revenue. Use: 1 for Yes 2 for No.
INCLUDE_ON_SHIP_DOCS	INCLUDE_ON_SHIP_DOCS	Flag indicating if component is displayed on shipping documents. Use: 1 for Yes 2 for No.
LOW_QUANTITY	LOW_QUANTITY	Minimum quantity allowed on an order.
HIGH_QUANTITY	HIGH_QUANTITY	Maximum quantity allowed on an order.
ACD_TYPE	ACD_TYPE	Set action for component on an engineering change order. Use: 1 for Add, 2 for Change, 3 for Disable.
REVISED_ITEM_NUMBER	REVISED_ITEM_SEQUENCE_ID	Revised Item Number, Organization Name, and version gets REVISED_ITEM_SEQUENCE_ID.
REVISION		
OLD_OPERATION_SEQ_NUM	OLD_COMPONENT_ SEQUENCE_ID	Operation sequence number and value of effective date in the original component record that an Engineering Change Order (ECO) affects uses to get the identifier of original component row an ECO effects.
OLD_EFFECTIVITY_DATE		

Field Name	Maps to Column	Description
WIP_SUPPLY_TYPE	WIP_SUPPLY_TYPE	WIP supply type code. Use: 1 for Push, 2 for Assembly Pull, 3 for Operation Pull, 4 for Bulk, 5 for Supplier, 6 for Phantom, 7 for Based on Bill.
SUPPLY_SUBINVENTORY	SUPPLY_SUBINVENTORY	
NEW_OPERATION_SEQ_NUM	NEW_OPERATION_SEQ_NUM	Updated value for the operation_seq_num.
NEW_EFFECTIVITY_DATE	NEW_EFFECTIVITY_DATE	Updated value for the effective date.
BOM_ITEM_TYPE	BOM_ITEM_TYPE	Type of item (de-normalized from BOM Item Type in MTL_SYSTEM_ITEMS). Use: 1 for Model 2 for Option class 3 for Planning 4 for Standard 5 for Product Family.
OPERATION_LEAD_TIME_ PERCENT	OPERATION_LEAD_TIME_ PERCENT	Operation offset from first operation in routing.
ASSEMBLY_TYPE	ASSEMBLY_TYPE	Assembly type of the parent bill.
INTERFACE_ENTITY_TYPE	INTERFACE_ENTITY_TYPE	Record used for Bill or Engineering Change Order open interface. Use BILL or ECO.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.
UOM		Not used in Bills of Material inbound transactions.

1.2.1. BOM_SUB_COMPS (Maps to BOM_SUB_COMPS_INTERFACE)

Field Name	Maps to Column	Description
BILL_SEQUENCE_ID		Not used for Bills of Material inbound transactions.
SUBSTITUTE_COMPONENT_ NUMBER	SUBSTITUTE_COMP_NUMBER	Required.
SUBSTITUTE_ITEM_QUANTITY	SUBSTITUTE_ITEM_QUANTITY	Required.
ACD_TYPE	ACD_TYPE	Indicates add or delete for an engineering change order.
CHANGE_NOTICE	CHANGE_NOTICE	Engineering change order number.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	COMPONENT_SEQUENCE_ID	Required. Inventory item number of manufactured assembly, alternate Bill of Materials designator code, inventory item number of component, manufacturing operation sequence number, effective date, and ORGANIZATION_NAME derive COMPONENT_SEQUENCE_ID.
ALTERNATE_BOM_ DESIGNATOR		
COMPONENT_ITEM_NUMBER		
OPERATION_SEQ_NUM		
EFFECTIVITY_DATE		
NEW_SUB_COMP_NUMBER	NEW_SUB_COMP_NUMBER	New substitute component number.
INTERFACE_ENTITY_TYPE	INTERFACE_ENTITY_TYPE	Inventory item type.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.
UOM		Not used in Bill of Material inbound transactions.

1.2.2. BOM_REF_DESGS (Maps to BOM_REF_DESGS_INTERFACE)

Field Name	Maps to Column	Description
BILL_SEQUENCE_ID		Not used for Bill of Material inbound transactions.
COMPONENT_REFERENCE_DESIGNATOR	COMPONENT_REFERENCE_DESIGNATOR	Required.
REF_DESIGNATOR_COMMENT	REF_DESIGNATOR_COMMENT	Reference designator comment.
ORGANIZATION_NAME	ORGANIZATION_ID	Required.Use HR_ALL_ORGANIZATION_UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	COMPONENT_SEQUENCE_ID	Required. Assembly item number, alternate Bill of Materials identifier, manufacturing operation sequence number, date on which functionality will be enabled, and ORGANIZATION_CODE derive COMPONENT_SEQUENCE_ID.
ALTERNATE_BOM_DESIGNATOR		
COMPONENT_ITEM_NUMBER		
OPERATION_SEQ_NUM		
EFFECTIVITY_DATE		
CHANGE_NOTICE	CHANGE_NOTICE	Engineering change order number.
ACD_TYPE	ACD_TYPE	Set the action for a engineering change order by using: 1 for Add 2 for Change 3 for Disable.
NEW_DESIGNATOR	NEW_DESIGNATOR	Updated value for the old reference designator.

Field Name	Maps to Column	Description
INTERFACE_ENTITY_TYPE	INTERFACE_ENTITY_TYPE	Record used for Bill or engineering change order open interface. Use: BILL or ECO.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.

2.0. BOM_OP_ROUTINGS (Maps to BOM_OP_ROUTINGS _INTERFACE)

Field Name	Maps to Column	Description
ROUTING_SEQUENCE_ID	ROUTING_SEQUENCE_ID	
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_ UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	ASSEMBLY_ITEM_NUMBER	Required. Concatenated item segments.
ALTERNATE_ROUTING_ DESIGNATOR	ALTERNATE_ROUTING_ DESIGNATOR	Required to identify alternate Bill of Materials.
ROUTING_TYPE	ROUTING_TYPE	Required for Insert. Use: 1 for Manufacturing 2 for Engineering.
COMMON_ITEM_NUMBER	COMMON_ITEM_NUMBER	Concatenated item segments of the common routing.
COMMON_ORG_NAME	COMMON_ROUTING_ SEQUENCE_ID	Derived from columns COMMON_ITEM_NUMBER, COMMON_ORG_NAME, and ALTERNATE_ROUTING_ DESIGNATOR.
ROUTING_COMMENT	ROUTING_COMMENT	
COMPLETION_ SUBINVENTORY	COMPLETION_ SUBINVENTORY	Destination subinventory for assembly.
DEMAND_SOURCE_LINE	DEMAND_SOURCE_LINE	Demand source line used for ATO.
SET_ID	SET_ID	Set identifier used for ATO.
PROCESS_REVISION	PROCESS_REVISION	Routing revision.

Field Name	Maps to Column	Description
DEMAND_SOURCE_TYPE	DEMAND_SOURCE_TYPE	Demand source type used for ATO.
DEMAND_SOURCE_HEADER_ID	DEMAND_SOURCE_HEADER_ID	Demand source header identifier used for ATO.
LOCATION_NAME	LOCATION_NAME	Concatenated location segments.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Insert, Update, or Delete.
LINE_CODE	LINE_CODE	Name of WIP line.
MIXED_MODEL_MAP_FLAG	MIXED_MODEL_MAP_FLAG	Use this routing in mixed model map calculations. Use: 1 for Yes 2 for No.
PRIORITY	PRIORITY	
CFM_ROUTING_FLAG	CFM_ROUTING_FLAG	Continuous flow or traditional routing. Use: 1 for Yes 2 for No.
TOTAL_PRODUCT_CYCLE_TIME	TOTAL_PRODUCT_CYCLE_TIME	Total time that an assembly takes along the primary path in the operation network calculated by Flow Manufacturing.
CTP_FLAG	CTP_FLAG	Flag indicating capacity must be checked when item is ordered.

2.1. MTL_RTG_ITEM_REVS (Maps to MTL_RTG_ITEM_REVS_INTERFACE)

Field Name	Maps to Column	Description
ROUTING_SEQUENCE_ID		Not used in inbound transactions.
PROCESS_REVISION	PROCESS_REVISION	Required. Routing revision code.
CHANGE_NOTICE	CHANGE_NOTICE	Engineering change order number.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_UNITS to derive ORGANIZATION_ID.
ECN_INITIATION_DATE	ECN_INITIATION_DATE	Engineering Change order initiation date.

Field Name	Maps to Column	Description
IMPLEMENTATION_DATE	IMPLEMENTATION_DATE	Engineering change order implementation date.
EFFECTIVITY_DATE	EFFECTIVITY_DATE	Revision effective date.
INVENTORY_ITEM_NUMBER	INVENTORY_ITEM_NUMBER	Required. Concatenated item segments.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Insert, Update, or Delete.

2.2. BOM_OP_SEQUENCES (Maps to BOM_OP_SEQUENCES_INTERFACE)

Field Name	Maps to Column	Description
ROUTING_SEQUENCE_ID		Not used for inbound transactions.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUM	Required. Operation sequence number.
OPERATION_LEAD_TIME_ PERCENT	OPERATION_LEAD_TIME_ PERCENT	Indicates the amount of overlap its lead time has with the parent's lead time.
MINIMUM_TRANSFER_ QUANTITY	MINIMUM_TRANSFER_ QUANTITY	Minimum operation transfer quantity.
COUNT_POINT_TYPE	COUNT_POINT_TYPE	Use: 1 for Yes auto charge, 2 for No auto charge, 3 for No direct charge.
OPERATION_DESCRIPTION	OPERATION_DESCRIPTION	
EFFECTIVITY_DATE	EFFECTIVITY_DATE	Required. Date operation is effective.
DISABLE_DATE	DISABLE_DATE	Date operation is no longer effective. Effective operation lasts until the end of the disable date.
BACKFLUSH_FLAG	BACKFLUSH_FLAG	Indicates whether operation requires backflushing. Use: 1 for Yes 2 for No.

Field Name	Maps to Column	Description
OPTION_DEPENDENT_FLAG	OPTION_DEPENDENT_FLAG	Indicates whether to use the operation in all configuration routings, even if no components of the configuration are used in this routing. Use: 1 for Yes 2 for No.
ALTERNATE_ROUTING_DESIGNATOR	ALTERNATE_ROUTING_DESIGNATOR	Required.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	ASSEMBLY_ITEM_NUMBER	Required. Concatenated item segments.
DEPARTMENT_CODE	DEPARTMENT_CODE	Required for Insert. Department name.
OPERATION_CODE	OPERATION_CODE	Standard operation code.
RUN_TIME_OVERLAP_PERCENT	LINE_OP_SEQ_ID	Optional. Run time overlap percentage.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Insert, Update, or Delete.
NEW_OPERATION_SEQ_NUM	NEW_OPERATION_SEQ_NUM	Added to facilitate updates because it is part of the primary key.
NEW_EFFECTIVITY_DATE	NEW_EFFECTIVITY_DATE	Added to facilitate updates because it is part of the primary key.
ASSEMBLY_TYPE	ASSEMBLY_TYPE	Not used in open interface.
OPERATION_TYPE	OPERATION_TYPE	Use Process, Line Operation, or Event.
REFERENCE_FLAG	REFERENCE_FLAG	If the Standard Operation is referenced or copied, then the operation can not be updated. Use: 1 for Yes 2 for No.

Field Name	Maps to Column	Description
PROCESS_OP_SEQ_ID	PROCESS_OP_SEQ_ID	Operation sequence identifier of parent process (only applies to events).
LINE_OP_SEQ_ID	LINE_OP_SEQ_ID	Operation sequence identifier of the parent line operation (only applies to events).
YIELD	YIELD	Process yield at this operation.
CUMULATIVE_YIELD	CUMULATIVE_YIELD	Cumulative process yield from beginning of routing to this operation.
REVERSE_CUMULATIVE_YIELD	REVERSE_CUMULATIVE_YIELD	Cumulative process yield from end of routing to comparable operation.
LABOR_TIME_CALC	LABOR_TIME_CALC	System-calculated run time attributable to labor.
MACHINE_TIME_CALC	MACHINE_TIME_CALC	System-calculated run time attributable to machines.
TOTAL_TIME_CALC	TOTAL_TIME_CALC	System-calculated run time attributable to both labor and machines.
LABOR_TIME_USER	LABOR_TIME_USER	User-calculated run time attributable to labor.
MACHINE_TIME_USER	MACHINE_TIME_USER	User-calculated run time attributable to machines.
TOTAL_TIME_USER	TOTAL_TIME_USER	User-calculated run time attributable to both labor and machines.
NET_PLANNING_PERCENT	NET_PLANNING_PERCENT	Cumulative planning percents derived from the operation network.
INCLUDE_IN_ROLLUP	INCLUDE_IN_ROLLUP	Indicates whether operation yield should be considered in cost rollup.
OPERATION_YIELD_ENABLED	OPERATION_YIELD_ENABLED	Indicates whether operation yield should be considered during costing.
RESOURCE_CODE1	RESOURCE_CODE1	

Field Name	Maps to Column	Description
RESOURCE_CODE2	RESOURCE_CODE2	
RESOURCE_CODE3	RESOURCE_CODE3	
INSTRUCTION_CODE1	INSTRUCTION_CODE1	
INSTRUCTION_CODE2	INSTRUCTION_CODE2	
INSTRUCTION_CODE3	INSTRUCTION_CODE3	

2.2.1. BOM_OP_RESOURCES (Maps to BOM_OP_RESOURCES_INTERFACE)

Field Name	Maps to Column	Description
ROUTING_SEQUENCE_ID		Not used in inbound transactions.
RESOURCE_SEQ_NUM	RESOURCE_SEQ_NUM	Resource sequence number.
STANDARD_RATE_FLAG	STANDARD_RATE_FLAG	Use standard rate for shop floor transactions. Use: 1 for Yes 2 for No.
ASSIGNED_UNITS	ASSIGNED_UNITS	Resource units assigned.
USAGE_RATE_OR_AMOUNT	USAGE_RATE_OR_AMOUNT	Resource usage rate.
USAGE_RATE_OR_AMOUNT_INVERSE	USAGE_RATE_OR_AMOUNT_INVERSE	Resource usage rate inverse.
BASIS_TYPE	BASIS_TYPE	Basis type identifier. Use: 1 for Item, 2 for Lot, 3 for Resource Units, 4 for Resource Value, 5 for Total Value, 6 for Activity.
SCHEDULE_FLAG	SCHEDULE_FLAG	Schedule the resource. Use: 1 for Yes, 2 for No, 3 for Prior, 4 for Next.
RESOURCE_OFFSET_PERCENT	RESOURCE_OFFSET_PERCENT	Resource offset percent from the start of the routing.

Field Name	Maps to Column	Description
AUTOCHARGE_TYPE	AUTOCHARGE_TYPE	Auto charge type for shop floor moves. Use: 1 for WIP move, 2 for Manual, 3 for PO receipt, 4 for PO move.
ALTERNATE_ROUTING_DESIGNATOR	ALTERNATE_ROUTING_DESIGNATOR	Required.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUM	Required. Operation sequence number.
EFFECTIVITY_DATE	EFFECTIVITY_DATE	Required. Effective date.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Use HR_ALL_ORGANIZATION_UNITS to derive ORGANIZATION_ID.
ASSEMBLY_ITEM_NUMBER	ASSEMBLY_ITEM_NUMBER	Required. Concatenated item segments.
RESOURCE_CODE	RESOURCE_CODE	
ACTIVITY	ACTIVITY	
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: Create, Update, or Delete.
NEW_RESOURCE_SEQ_NUM	NEW_RESOURCE_SEQ_NUM	New resource sequence number, which facilitates updates because it is part of the primary key.

Receive Customer Item Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.customerItem:receiveCustomerItem

This service imports Customer Items into Oracle Inventory.

You can import Customer Items at any of the following levels: Customer-level, Address Category-level, or Address-level. The level is specified in the Item Definition Level column. An item imported at the Customer level is visible to all organizations. You can also import items with an inactive status.

While submitting the concurrent program Customer Item Import to load the Customer Item records from interface tables to production tables, you cannot restrict the processing to only those records uploaded by the IS flow instance. The program will process all

unprocessed records that exist in the interface table at the time of execution. After executing the concurrent program, errors will be retrieved for all processed records that might not be uploaded by this IS flow instance.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_custitem.sql	Runs the scripts listed below, except the uninstall script.
wm_into_custitem_pkg.sql	Installs WM_INV_CTITEM_IMP_HANDLER_PKG.WM_HANDLE_CUSTITEM, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Customer Item Import process. The process in the Oracle Inventory module is Import Customer Items.
wm_drop_into_custitem.sql	Uninstalls the components created by wm_install_into_custitem.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setCustomerItemTxn1159.txp

- CustomerItemTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The receiveCustomerItem service calls the following services to import customer items:

- **specifyDefaultSettings** specifies the default settings required for service execution.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

- **getOASystemDateObject** returns the Oracle Applications system date as a date object.

- **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

- **setCustomerItemTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service and puts the data into the interface table in Oracle Applications for Customer Items.

- **importCustomerItem** imports data to the production table from the interface table. It calls the services execCustomerItemConcProg, checkCustomerItemImportStatus, and getCustomerItemImport_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execCustomerItemConcProg), it checks for rejected records. If records are found, it then indicates an error during import. In this case, this service calls getCustomerItemImport_ERR to retrieve the errors. If no records are found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution.

  - **execCustomerItemConcProg** invokes the stored procedure WM_INV_CTITEM_IMP_HANDLER_PKG.WM_HANDLE_CUSTITEM. This procedure calls the corresponding concurrent subroutine to execute the data import process for Customer Items into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in the Stored Procedure execution).

  - **checkCustomerItemImportStatus** checks the status of the execution by checking the Interface Table for any rejected record. If the query does not return rows, it indicates successful import. If the query returns rows, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications. The Interface table is not updated with the REQUEST_ID; there is no way to check errors corresponding to only the current bizDoc import. Therefore, the error document will show any old errors, as well.

  - **getCustomerItemImport_ERR** gets the error message that occurs during the data import to the production table from interface table. It scans the MTL_CI_INTERFACE table to get the rejected records. The Interface table is not updated with the REQUEST_ID; there is no way to check errors corresponding to only the current bizDoc import. Therefore, the error document will show any old errors as well.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document customerItemBizDoc. Its structure is as follows:

■ CUST_ITEM

CUST_ITEM (Maps to MTL_CI_INTERFACE)

Field Name	Maps to Column	Description
CUSTOMER_NAME	CUSTOMER_NAME	
CUSTOMER_CATEGORY_ CODE	CUSTOMER_CATEGORY_ CODE	
ADDRESS1	ADDRESS1	
ADDRESS2	ADDRESS2	
ADDRESS3	ADDRESS3	
ADDRESS4	ADDRESS4	
CITY	CITY	
STATE	STATE	
COUNTY	COUNTY	
COUNTRY	COUNTRY	
POSTAL_CODE	POSTAL_CODE	
CUSTOMER_ITEM_NUMBER	CUSTOMER_ITEM_NUMBER	Required.
ITEM_DEFINITION_LEVEL	ITEM_DEFINITION_LEVEL	If this is at the Address Category level, then Customer and Address Category are required. If this is at the Address level, then the complete address fields and the Customer field are required. Definition Level for the Customer Item. Use: 1 for Customer, 2 for Address Category, 3 for Address.
CUSTOMER_ITEM_DESC	CUSTOMER_ITEM_DESC	Description of the Customer Item defined above.
MODEL_CUSTOMER_ITEM_ NUMBER	MODEL_CUSTOMER_ITEM_ NUMBER	

Field Name	Maps to Column	Description
COMMODITY_CODE	COMMODITY_CODE	Commodity code as defined in Oracle Inventory.
MASTER_CONTAINER	MASTER_CONTAINER	Multi-segmented values for a container Item.
CONTAINER_ITEM_ORG_ NAME	CONTAINER_ITEM_ORG_ NAME	Organization name for the container item.
DETAIL_CONTAINER	DETAIL_CONTAINER	Detail container item name (flexfield concatenated segments).
MIN_FILL_PERCENTAGE	MIN_FILL_PERCENTAGE	Minimum fill percentage.
DEP_PLAN_REQUIRED_FLAG	DEP_PLAN_REQUIRED_FLAG	Flag to indicate whether departure planning is required for the Customer Item. Use: 1 for Yes 2 for No.
DEP_PLAN_PRIOR_BLD_FLAG	DEP_PLAN_PRIOR_BLD_FLAG	Flag indicating if departure plan before build is required. Use: 1 for Yes 2 for No..
INACTIVE_FLAG	INACTIVE_FLAG	Required. Use: 1 for Yes 2 for No.
DEMAND_TOLERANCE_ POSITIVE	DEMAND_TOLERANCE_ POSITIVE	Positive tolerance (high end) for customer item demand.
DEMAND_TOLERANCE_ NEGATIVE	DEMAND_TOLERANCE_ NEGATIVE	Negative tolerance (low end) for customer item demand.

Receive Customer Item Cross Reference Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.CICrossRef:receiveCICrossRef

This service imports Custom Item Cross-References into Oracle Inventory.

You can import Customer Item Cross References at three levels: Customer-level, Address Category-level, and Address-level. The level is specified in the Item Definition Level column. An item imported at the Customer level is visible to all organizations. You can also import items with an inactive status. It is possible to define multiple references between a customer item and several inventory items. In this case, a preference ranking is established for processing in Oracle Inventory when a customer item is demanded.

While submitting the concurrent program Customer Item Cross References Import to load the Customer Item cross reference records from interface tables to production tables, it is not possible to restrict the processing to only the records uploaded by the IS flow instance. The program will process all unprocessed records that exist in the interface table at the time of execution. After executing the concurrent program, errors will be retrieved for all processed records that might not be uploaded by this flow instance. We suggest that you keep the interface table free of error records, to minimize ambiguity.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_cicrossref.sql	Runs the scripts listed below, except the uninstall script.
wm_into_cicrossref_pkg.sql	Installs WM_INV_CICREF_IMP_HANDLER_PKG.WM-HANDLE_CICREF, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Customer Item Import process. The process in Oracle Inventory module is Import Customer Item Cross References.
wm_drop_into_cicrossref.sql	Uninstalls the components created by wm_install_into_cicrossref.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setCICrossRefTxn1159.txp

■ CICrossRefTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import customer item cross references:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

    ■ **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

    ■ **getOASystemDateObject** returns the Oracle Applications system date as a date object.

■ **setCICrossRefTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for CICrossRef.

■ **importCICrossRef** imports data to the production table from the interface table. It calls the services execCICrossRefConcProg, checkCICrossRefImportStatus, and getCICrossRefImport_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execCICrossRefConcProg), it checks for rejected records. If any are found, it then indicates an error during import. In this case, this service calls getCICrossRefImport_ERR to retrieve the errors. If no records are found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution.

    ■ **execCICrossRefConcProg** invokes the stored procedure WM_INV_CICRREF_IMP_HANDLER_PKG.WM_HANDLE_CICRREF. The procedure calls the corresponding concurrent subroutine to execute the data import process for Customer Item Cross Reference into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in the Stored Procedure execution).

    ■ **checkCICrossRefImportStatus** checks the status of the execution by checking the Interface Table for rejected records. If the query does not return rows, it indicates a successful import. If the query returns rows, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications. The Interface table is not updated with the REQUEST_ID; there is

no way to check errors corresponding to only the current bizDoc import. Therefore, the error document will show any old errors, as well.

■   **getCICrossRefImport_ERR** gets the error message that occurs during the data import to the production table from the interface table. It scans the MTL_CI_XREFS_INTERFACE table to get the rejected records. The Interface table is not updated with the REQUEST_ID; there is no way to check errors corresponding to only the current bizDoc import. Therefore, the error document will show any old errors as well.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document CICrossRefBizDoc. Its structure is as follows:

■   CUST_ITEM_CROSS_REF

CUST_ITEM_CROSS_REF (Maps to MTL_CI_XREFS_INTERFACE)

Field Name	Map to Column	Description
CUSTOMER_NAME	CUSTOMER_NAME	Required.
CUSTOMER_CATEGORY_ CODE	CUSTOMER_CATEGORY_ CODE	Address category code of the customer.
ADDRESS1	ADDRESS1	
ADDRESS2	ADDRESS2	
ADDRESS3	ADDRESS3	
ADDRESS4	ADDRESS4	
CITY	CITY	
STATE	STATE	
COUNTY	COUNTY	
COUNTRY	COUNTRY	
POSTAL_CODE	POSTAL_CODE	
CUSTOMER_ITEM_NUMBER	CUSTOMER_ITEM_NUMBER	Required.

Field Name	Map to Column	Description
ITEM_DEFINITION_LEVEL	ITEM_DEFINITION_LEVEL	Item definition level for import. Use: 1 for Customer 2 for Address Category* 3 for Address*. *If you use 2, Customer and Address Category fields are required. If you use 3, Customer and Address fields are required.
INVENTORY_ITEM	INVENTORY_ITEM	Item number as defined in Oracle Inventory for the item to be used for cross reference.
MASTER_ORGANIZATION_ NAME	MASTER_ORGANIZATION_ NAME	Name of the master inventory organization.
PREFERENCE_NUMBER	PREFERENCE_NUMBER	Required. Preference ranking for multiple references to the same item.
INACTIVE_FLAG	INACTIVE_FLAG	Required. Use: 1 for Yes 2 for No.

Receive Cycle Count Entry Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.cycleCountEntry:receiveCycleCountEntry

This service imports cycle count entries.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_cyclecount.sql	Runs the scripts listed below, except the uninstall script.
wm_into_cyclecount_pkg.sql	Installs WM_INV_CC_IMP_HANDLER_PKG.WM_HANDLE_INV_CC, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Transaction Worker Process.
wm_into_cyclecount_seq.sql	Creates the following component: ■ WM_CC_ENTRIES_INTERFACE_S, which creates the CC Entry Interface ID sequence
wm_drop_into_cyclecount.sql	Uninstalls all components created by wm_install_into_cyclecount.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setCycleCountEntryTxn1159.txp

■ CycleCountEntry1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import cycle count entries:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  - **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

  - **getOASystemDateObject** returns the Oracle Applications system date as a date object.

  - **pickSequence** generates the current sequence number from the sequence WM_CC_ENTRIES_INTERFACE_S.

  - **getCycleCountHeaderId** gets the CYCLE_COUNT_HEADER_ID for the respective CYCLE_COUNT_HEADER_NAME and ORGANIZATION_NAME.

  - **convertToDateObject** converts the text date format into object date format. This is a transformer in the bizDocMapping.

  - **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, queries the table ORG_ORGANIZATION_DEFINITIONS, and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

  - **getCostGroupId** retrieves the COST_GROUP_ID for the entered item in the organization.

  - **getCodeCombinationId** is a transformer for mapping the business document IData structure to the interface table IData structure. This is a general service to get CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_KFV, given the CONCATENATED_SEGMENTS and SET_OF_BOOK_NAME.

  - **getInventoryItemId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ITEM_CODE and ORGANIZATION_NAME as input, and returns the INVENTORY_ITEM_ID.

  - **getLocatorId** is a transformer for mapping the business document to the interface IData structure. This service takes the LOCATOR and ORGANIZATION_NAME as input parameters, and returns the INVENTORY_LOCATION_ID.

- **setCycleCountEntryTxn** inserts data into the interface table. It takes data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Cycle Count Entries Interface.

- **importCycleCountEntry** imports data into the production table from the interface table. It calls the service execCycleCountEntryConcProg to execute the corresponding concurrent program that inserts data into the production table.

  - **execCycleCountEntryConcProg** invokes the stored procedure WM_INV_CC_IMP_HANDLER_PKG.WM_HANDLE_INV_CC. The procedure calls the corresponding concurrent subroutine to execute the data import process for Labor into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in the Stored Procedure execution).

  - **checkCycleCountEntryImportStatus** queries the MTL_CC_ENTRIES_INTERFACE table to find the number of erroneous rows for the passed CYCLE_COUNT_HEADER_NAME.

  - **getCycleCountEntryImport_ERR** gets the error message that occurs during the data import of Cycle Count Entries for the specified CYCLE_COUNT_HEADER_NAME to the production table from interface table.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document CycleCountEntryBizDoc. Its structure is as follows:

- MTL_CC_ENTRIES

MTL_CC_ENTRIES (Maps to MTL_CC_ENTRIES_INTERFACE)

Field Name	Maps to Column	Description
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Derived from ORGANIZATION_ID and ORG_ORGANIZATION_ DEFINITIONS.
SET_OF_BOOK_NAME		Required.

Field Name	Maps to Column	Description
ACTION_CODE	ACTION_CODE	Required. Indicates the ways to process the record to the API. Use: 11 for Validate, 12 for Create, 13 for Simulate, 14 for Process Data, 15 for Create and Process.
CYCLE_COUNT_HEADER_ NAME	CYCLE_COUNT_HEADER_ID	Required. Cycle count name derives CYCLE_COUNT_HEADER_ID from MTL_CYCLE_COUNT_HEADER S table.
COUNT_LIST_SEQUENCE	COUNT_LIST_SEQUENCE	Identifies an open count request for the specified cycle count. If an open count request matches the specified count sequence, then the default item and SKU information are used from the MTL_CYCLE_COUNT_ENTRIES table. Otherwise, the count request in the interface table is an unscheduled count, and the count sequence is inserted into the table with the remainder of the count request information. In this case, the item and SKU information are required.
INVENTORY_ITEM	INVENTORY_ITEM_ID	Derives the Inventory ITEM_ID from MTK_SYSTEM_ITEMS_B_KFV table for the organization.
REVISION	REVISION	Revision number if under revision control.
SUBINVENTORY	SUBINVENTORY	
LOCATOR	LOCATOR_ID	Derives LOCATOR_ID from MTL_ITEM_LOCATIONS_KFV for the item.
LOT_NUMBER	LOT_NUMBER	Lot number of the item, if under lot control.

Field Name	Maps to Column	Description
SERIAL_NUMBER	SERIAL_NUMBER	Serial number, if under serial number control.
PRIMARY_UOM_QUANTITY	PRIMARY_UOM_QUANTITY	Count of the item at the primary unit of measure.
COUNT_UOM	COUNT_UOM	Code of unit of measure count.
COUNT_QUANTITY	COUNT_QUANTITY	Quantity counted.
ADJUSTMENT_ACCOUNT	ADJUSTMENT_ACCOUNT_ID	Derives CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_ KFV for the given set of book name.
COUNT_DATE	COUNT_DATE	
EMPLOYEE_FULL_NAME	EMPLOYEE_FULL_NAME	
REFERENCE	REFERENCE	
TRANSACTION_REASON	TRANSACTION_REASON	Reason for the cycle count entry.

Receive Demand Schedule Service

The name of this service is:

WmOAMFG1159.releaseManagement1159.intoOA.demandSchedule:receiveDemandSchedule

This service imports demand schedules. You can use Oracle Release Management to automate the management and reconciliation of customer inbound schedules, and to enable a rapid response for changing demand requirements. The Demand Schedule interface or the Demand Processor takes an inbound demand schedule from the release management demand processor interface tables.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_rlmdemand.sql	Runs the scripts listed below, except the uninstall script.
wm_into_rlmdemand_pkg.sql	Installs WM_RLM_DEMAND_IMP_HANDLER_PKG.WM_HANDLE_RLM_DEMAND, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Quality Collection Import process. The process in the QA module is Collection Import.
wm_into_rlmdemand_seq.sql	Creates the following components: ■ WM_RLM_INTERFACE_HEADER_S, which creates the HEADER_ID ■ WM_RLM_INTERFACE_LINE_S, which create the LINE_ID
wm_drop_into_rlmdemand.sql	Uninstalls all components created by wm_install_into_rlmdemand.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setDemandScheduleTxn1159.txp

■ DemandScheduleTxn1159.txp

For information about using the transaction definition files to customize this service, see .

Flow Control

This service calls the following services to import demand schedules:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  ■ **getAddressId** takes ADDRESS1, ADDRESS2, ADDRESS3, ADDRESS4, CITY, POSTAL_CODE, STATE, PROVINCE, COUNTY, and COUNTRY as input, and queries the table RA_ADDRESSES_ALL to get ADDRESS_ID.

  ■ **getAgreementId** takes AGREEMENT_NAME as input, and queries the table OE_AGREEMENTS_B to get AGREEMENT_ID.

  ■ **getDateTypeCode** takes DATE_TYPE as input, and queries the table FND_LOOKUPS to get DATE_TYPE_CODE.

  ■ **getInvoiceOrgId** takes BILL_TO_ADDRESS1, BILL_TO_ADDRESS2, BILL_TO_ADDRESS3, BILL_TO_ADDRESS4, BILL_TO_CITY, BILL_TO_POSTAL_CODE, BILL_TO_STATE, BILL_TO_PROVINCE, BILL_TO_COUNTY, BILL_TO_COUNTRY, and INVOICE_TO_ORGANIZATION as input, and queries the tables RA_SITE_USES_ALL and RA_ADDRESSES_ALL to get INVOICE_TO_ORG_ID.

  ■ **getOrderHeaderId** takes ORDER_NUMBER and ORG_NAME as input, and queries the tables OE_ORDER_HEADERS_ALL and HR_ORGANIZATION_UNITS to get ORDER_HEADER_ID.

  ■ **getPriceListId** takes PRICE_LIST_NAME as input, and queries the table QP_LIST_HEADERS_V to get LIST_HEADER_ID.

- **getShipFromOrgId** takes ORG_NAME, SHIP_FROM_ADDRESS1, SHIP_FROM_ADDRESS2, SHIP_FROM_ADDRESS3, SHIP_FROM_CITY, SHIP_FROM_COUNTY, SHIP_FROM_STATE, SHIP_FROM_PROVINCE, SHIP_FROM_POSTAL_CODE, and SHIP_FROM_COUNTRY as input, and queries the tables HR_LOCATIONS and HR_ALL_ORGANIZATION_UNITS to get ORGANIZATION_ID.

- **getShipToOrgId** takes SHIP_TO_ORGANIZATION, SHIP_TO_ADDRESS1, SHIP_TO_ADDRESS2, SHIP_TO_ADDRESS3, SHIP_TO_ADDRESS4, SHIP_TO_CITY, SHIP_TO_POSTAL_CODE, SHIP_TO_STATE, SHIP_TO_PROVINCE, SHIP_TO_COUNTY, and SHIP_TO_COUNTRY as input, and queries the tables RA_SITE_USES_ALL and RA_ADDRESSES_ALL to get SHIP_TO_ORG_ID.

- **getCustomerId** takes CUSTOMER_NAME as input, and queries the table RA_CUSTOMERS to get CUSTOMER_ID.

- **getCustItemIdFromAddrTmp** takes CUSTOMER_ITEM_NUMBER, CUSTOMER_NAME, and ADDRESS_ID as input, and queries the tables MTL_CUSTOMER_ITEMS_ALL_V and RA_CUSTOMERS to get CUSTOMER_ITEM_ID.

- **getCustItemIdFromAddr** takes CUSTOMER_ITEM_NUMBER, CUSTOMER_NAME, ADDRESS1, ADDRESS2, ADDRESS3, ADDRESS4, CITY, POSTAL_CODE, STATE, PROVINCE, COUNTY, and COUNTRY as input, and queries the RA_ADDRESSES_ALL table to get CUSTOMER_ITEM_ID.

- **setDemandScheduleTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table.

- **importDemandSchedule** imports data to the production table from the interface table. It calls the services execDemandScheduleConcProg, checkDemandScheduleImportStatus, and getDemanScheduleImport_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execDemandScheduleConcProg), it checks for the record in the interface table. If records are found, it then indicates an error during import. In this case, this service calls getDemandScheduleImport_ERR to retrieve the errors. If no records are found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution. There can be two types of action on the record to be imported: update and insert. This flow checks for the mode of action and accordingly calls the import program.

  - **execDemandScheduleConcProg** invokes the stored procedure WM_RLM_DEMAND_IMP_HANDLER_PKG.WM_HANDLE_RLM_DEMAND. The procedure calls the corresponding concurrent subroutine to execute the data import process for Demand Schedule Transactions into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal

concurrent program completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

- **checkDemandScheduleImportStatus** checks the status of the execution by checking the Interface Table for any rejected records corresponding to the current REQUEST_ID. If the query does not return rows, it indicates a successful import. If the query returns rows, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications.

- **getDemandScheduleImport_ERR** gets the error message that occurs during the data import to the production table from the interface table. Based on the parameter REQUEST_ID, it scans tables RLM_DEMAND_EXCEPTIONS to get the corresponding message.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document DemandScheduleBizDoc. Its structure is as follows:

- 1.0. RLM_HEADERS
    - 1.1. RLM_LINES

1.0. RLM_HEADERS (Maps to RLM_INTERFACE_HEADERS_ALL)

Field Name	Maps to Column	Description
CUST_ADDRESS_1_EXT	CUST_ADDRESS_1_EXT	Customer address line 1, as sent by the customer.
CUST_ADDRESS_2_EXT	CUST_ADDRESS_2_EXT	Customer address line 2, as sent by the customer.
CUST_ADDRESS_3_EXT	CUST_ADDRESS_3_EXT	Customer address line 3, as sent by the customer.
CUST_ADDRESS_4_EXT	CUST_ADDRESS_4_EXT	Customer address line 4, as sent by the customer.
CUST_CITY_EXT	CUST_CITY_EXT	Customer address city, as sent by the customer.
CUST_COUNTRY_EXT	CUST_COUNTRY_EXT	Customer country, as sent by the customer.
CUST_COUNTY_EXT	CUST_COUNTY_EXT	Customer county, as sent by customer.

Field Name	Maps to Column	Description
CUSTOMER_EXT	CUSTOMER_EXT	Trading partner designator cross reference.
CUST_NAME_EXT	CUST_NAME_EXT	Customer name as sent by customer.
CUST_POSTAL_CD_EXT	CUST_POSTAL_CD_EXT	Customer address postal code, as sent by the customer.
CUST_PROVINCE_EXT	CUST_PROVINCE_EXT	Customer province, as sent by customer.
CUST_STATE_EXT	CUST_STATE_EXT	Customer state, as sent by customer.
ECE_ADDRESS1	ECE_PRIMARY_ADDRESS_ID	Customer primary address ID, populated by the e-commerce gateway.
ECE_ADDRESS2		
ECE_ADDRESS3		
ECE_ADDRESS4		
ECE_CITY		
ECE_POSTAL_CODE		
ECE_STATE		
ECE_PROVINCE		
ECE_COUNTY		
ECE_COUNTRY		
ECE_TP_LOCATION_CODE_ EXT	ECE_TP_LOCATION_CODE_ EXT	For EDI Transactions only. e-commerce gateway trading partner code assigned to the transaction.
EDI_CONTROL_NUM_1	EDI_CONTROL_NUM_1	EDI Control Number (ISA) assigned by the customer's EDI translator for audit.
EDI_CONTROL_NUM_2	EDI_CONTROL_NUM_2	EDI Control Number (ISA) assigned by the Customer's EDI translator for audit.
EDI_TEST_INDICATOR	EDI_TEST_INDICATOR	EDI test/production indicator.
HEADER_CONTACT_CODE_1	HEADER_CONTACT_CODE_1	Contact code 1 included in customer's EDI transaction.

Field Name	Maps to Column	Description
HEADER_CONTACT_CODE_2	HEADER_CONTACT_CODE_2	Contact code 2 included in the customer's EDI transaction.
HEADER_CONTACT_VALUE_1	HEADER_CONTACT_VALUE_1	Value for contact code 1.
HEADER_CONTACT_VALUE_2	HEADER_CONTACT_VALUE_2	Value for contact code 2.
HEADER_NOTE_TEXT	HEADER_NOTE_TEXT	Notes about schedule.
HEADER_REF_CODE_1	HEADER_REF_CODE_1	Reference code 1 includes in customer's EDI transaction.
HEADER_REF_CODE_2	HEADER_REF_CODE_2	Reference code 2 includes in customer's EDI transaction.
HEADER_REF_CODE_3	HEADER_REF_CODE_3	Reference code 3 included in the customer's EDI transaction.
HEADER_REF_VALUE_1	HEADER_REF_VALUE_1	Value associated with reference code 1.
HEADER_REF_VALUE_2	HEADER_REF_VALUE_2	Value associated with reference code 2.
HEADER_REF_VALUE_3	HEADER_REF_VALUE_3	Value associated with reference code 3.
ORGANIZATION_NAME	ORG_ID	Derived from ORG_ORGANIZATION_ DEFINITIONS.
SCHEDULE_TYPE	SCHEDULE_TYPE	
SCHEDULE_TYPE_EXT	SCHEDULE_TYPE_EXT	External value that derives RLM_SCHEDULE_TYPE in EDI gateway conversion.
SCHED_GENERATION_DATE	SCHED_GENERATION_DATE	Date customer generated either the schedule or planning information on the schedule.
SCHED_HORIZON_START_ DATE	SCHED_HORIZON_START_ DATE	Schedule horizon start date; derived from demand in the schedule, if not specified.
SCHED_HORIZON_END_DATE	SCHED_HORIZON_END_DATE	Schedule horizon end date; derived from demand in the schedule, if not specified.
SCHEDULE_PURPOSE	SCHEDULE_PURPOSE	
SCHEDULE_PURPOSE_EXT	SCHEDULE_PURPOSE_EXT	External value that derives SCHEDULE_PURPOSE.

Field Name	Maps to Column	Description
SCHEDULE_REFERENCE_NUM	SCHEDULE_REFERENCE_NUM	Customer assigned schedule reference or release number.
SCHEDULE_SOURCE	SCHEDULE_SOURCE	EDI or Manual transaction source.

1.1. RLM_LINES (Maps to RLM_INTERFACE_LINES_ALL)

Field Name	Maps to Column	Description
AGREEMENT_NAME	AGREEMENT_ID	Derives AGREEMENT_ID from OE_AGREEMENTS_B.
ATO_DATA_TYPE	ATO_DATA_TYPE	
BILL_TO_ADDRESS_1_EXT	BILL_TO_ADDRESS_1_EXT	
BILL_TO_ADDRESS_2_EXT	BILL_TO_ADDRESS_2_EXT	
BILL_TO_ADDRESS_3_EXT	BILL_TO_ADDRESS_3_EXT	
BILL_TO_ADDRESS_4_EXT	BILL_TO_ADDRESS_4_EXT	
INVOICE_TO_ORGANIZATION	INVOICE_TO_ORG_ID	Derived from RA_SITE_USES_ALL and RA_ADDRESSES, using ADDRESS_ID as the join between them. INVOICE_TO_ORGANIZATION is the location in RA_SITE_USES_ALL. The other address lines are taken from the BILL_TO address columns.
BILL_TO_CITY_EXT	BILL_TO_CITY_EXT	
BILL_TO_COUNTRY_EXT	BILL_TO_COUNTRY_EXT	
BILL_TO_COUNTY_EXT	BILL_TO_COUNTY_EXT	
BILL_TO_NAME_EXT	BILL_TO_NAME_EXT	
BILL_TO_POSTAL_CD_EXT	BILL_TO_POSTAL_CD_EXT	
BILL_TO_PROVINCE_EXT	BILL_TO_PROVINCE_EXT	
BILL_TO_STATE_EXT	BILL_TO_STATE_EXT	
CARRIER_QUALIFIER_EXT	CARRIER_QUALIFIER_EXT	
COMMODITY_EXT	COMMODITY_EXT	Customer-specified commodity code.
CUST_ASSEMBLY_EXT	CUST_ASSEMBLY_EXT	Customer assembly identification.

Field Name	Maps to Column	Description
CUST_ASSIGNED_ID_EXT	CUST_ASSIGNED_ID_EXT	Customer-assigned identification within a transaction set from LIN01.
CUST_BILL_TO_EXT	CUST_BILL_TO_EXT	External customer bill to cross reference.
CUST_CONTRACT_NUM_EXT	CUST_CONTRACT_NUM_EXT	Customer contract number, as sent on the LIN segment of the 830 transaction.
CUSTOMER_DOCK_CODE	CUSTOMER_DOCK_CODE	
CUST_INTERMD_SHIP_TO_EXT	CUST_INTERMD_SHIP_TO_EXT	External intermediate ship to cross reference.
CUST_ITEM_PRICE_EXT	CUST_ITEM_PRICE_EXT	Customer price on the EDI transaction.
CUST_ITEM_PRICE_UOM_EXT	CUST_ITEM_PRICE_UOM_EXT	Unit of measure for the price on the customer's EDI transaction.
CUSTOMER_ITEM_REVISION	CUSTOMER_ITEM_REVISION	
CUSTOMER_JOB	CUSTOMER_JOB	Customer job number.
CUST_MANUFACTURER_EXT	CUST_MANUFACTURER_EXT	The manufacturer as sent by the customer on the LIN segment of the 866 transaction.
CUST_MODEL_NUMBER_EXT	CUST_MODEL_NUMBER_EXT	Customer model number.
CUST_ORDER_NUM_EXT	CUST_ORDER_NUM_EXT	Order number of the customer.
CUST_PROCESS_NUM_EXT	CUST_PROCESS_NUM_EXT	Customer process number.
CUST_PRODUCTION_LINE	CUST_PRODUCTION_LINE	Customer production line.
CUSTOMER_PROD_SEQ_NUM	CUSTOMER_PROD_SEQ_NUM	Customer production sequence number or delivery number.
CUST_SET_NUM_EXT	CUST_SET_NUM_EXT	Customer's set number.
CUST_SHIP_FROM_ORG_EXT	CUST_SHIP_FROM_ORG_EXT	External inventory organization cross reference.
CUST_SHIP_TO_EXT	CUST_SHIP_TO_EXT	External Ship To address cross reference.
CUST_UOM_EXT	CUST_UOM_EXT	External customer unit of measure cross reference.
CUSTOMER_ITEM_EXT	CUSTOMER_ITEM_EXT	External customer item cross reference.

Field Name	Maps to Column	Description
CUSTOMER_ITEM_NUMBER	CUSTOMER_ITEM_ID	Derived from MTL_CUSTOMER_ITEMS.
REQUEST_DATE	REQUEST_DATE	Date and time customer wants material delivered or shipped.
SCHEDULE_DATE	SCHEDULE_DATE	Planned shipment date and time.
DATE_TYPE	DATE_TYPE_CODE	Validated against FND_LOOKUPS.LOOKUP_TYPE =RLM_DATE_TYPE_CODE.
DATE_TYPE_CODE_EXT	DATE_TYPE_CODE_EXT	External value from which date type code was derived.
DELIVERY_LEAD_TIME	DELIVERY_LEAD_TIME	For demand line. The time between arrival date and shipment date, based on the default shipping and method.
END_DATE_TIME	END_DATE_TIME	
EQUIPMENT_CODE_EXT	EQUIPMENT_CODE_EXT	
EQUIPMENT_NUMBER_EXT	EQUIPMENT_NUMBER_EXT	Equipment number from the customer.
HANDLING_CODE_EXT	HANDLING_CODE_EXT	Special handling code.
HAZARD_CODE_EXT	HAZARD_CODE_EXT	Hazardous material code.
IMPORT_LICENSE_DATE_EXT	IMPORT_LICENSE_DATE_EXT	Customer's import license date.
IMPORT_LICENSE_EXT	IMPORT_LICENSE_EXT	Customer's import license for shipment destination country.
INTRMD_ST_ADDRESS_1_EXT	INTRMD_ST_ADDRESS_1_EXT	Intermediate Ship To address line 1.
INTRMD_ST_ADDRESS_2_EXT	INTRMD_ST_ADDRESS_2_EXT	Intermediate Ship To address line 2.
INTRMD_ST_ADDRESS_3_EXT	INTRMD_ST_ADDRESS_3_EXT	Intermediate Ship To address line 3.
INTRMD_ST_ADDRESS_4_EXT	INTRMD_ST_ADDRESS_4_EXT	Intermediate Ship To address line 4.
INTRMD_ST_CITY_EXT	INTRMD_ST_CITY_EXT	Intermediate Ship To city.
INTRMD_ST_COUNTRY_EXT	INTRMD_ST_COUNTRY_EXT	Intermediate Ship To country.
INTRMD_ST_COUNTY_EXT	INTRMD_ST_COUNTY_EXT	Intermediate Ship To county.

Field Name	Maps to Column	Description
INTRMD_ST_POSTAL_CD_EXT	INTRMD_ST_POSTAL_CD_EXT	Intermediate postal code of Ship To address.
INTRMD_ST_PROVINCE_EXT	INTRMD_ST_PROVINCE_EXT	Intermediate Ship To province.
INTERMD_ST_STATE_EXT	INTERMD_ST_STATE_EXT	Intermediate Ship To state.
ITEM_NUMBER	INVENTORY_ITEM_ID	Derived from MTL_SYSTEM_ITEMS_B_KFV for the Organization.
ITEM_CONTACT_CODE_1	ITEM_CONTACT_CODE_1	
ITEM_CONTACT_CODE_2	ITEM_CONTACT_CODE_2	
ITEM_CONTACT_VALUE_1	ITEM_CONTACT_VALUE_1	Value associated with contact code 1.
ITEM_CONTACT_VALUE_2	ITEM_CONTACT_VALUE_2	Value associated with contact code 2.
ITEM_DETAIL_QUANTITY	ITEM_DETAIL_QUANTITY	If Item_Detail_Type is 0, 1, or 2, then field is demand quantity. If Item_Detail_Type is 3, then field is authorization quantity. If Item_Detail_Type is 4, then field is shipped, received, or cumulative quantity. If Item_Detail_Type is 5, then field is miscellaneous quantity.
ITEM_DETAIL_REF_CODE_1	ITEM_DETAIL_REF_CODE_1	Item Detail Reference Code 1.
ITEM_DETAIL_REF_CODE_2	ITEM_DETAIL_REF_CODE_2	Item Detail Reference Code 2.
ITEM_DETAIL_REF_CODE_3	ITEM_DETAIL_REF_CODE_3	Item Detail Reference Code 3.
ITEM_DETAIL_REF_VALUE_1	ITEM_DETAIL_REF_VALUE_1	Value associated with Reference Code 1.
ITEM_DETAIL_REF_VALUE_2	ITEM_DETAIL_REF_VALUE_2	Value associated with Reference Code 2.
ITEN_DETAIL_REF_VALUE_3	ITEN_DETAIL_REF_VALUE_3	Value associated with Reference Code 3.
ITEM_DETAIL_SUBTYPE	ITEM_DETAIL_SUBTYPE	
ITEM_DETAIL_TYPE	ITEM_DETAIL_TYPE	

Field Name	Maps to Column	Description
ITEM_ENG_CNG_LVL_EXT	ITEM_ENG_CNG_LVL_EXT	Customer part engineering change level.
ITEM_MEASUREMENTS_EXT	ITEM_MEASUREMENTS_EXT	Item measurement information.
ITEM_NOTE_EXT	ITEM_NOTE_EXT	Free form item note.
ITEM_REF_CODE_1	ITEM_REF_CODE_1	Item Reference Code 1.
ITEM_REF_CODE_2	ITEM_REF_CODE_2	Item Reference Code 2.
ITEM_REF_CODE_3	ITEM_REF_CODE_3	Item Reference Code 3.
ITEM_REF_VALUE_1	ITEM_REF_VALUE_1	Value associated with item reference value 1.
ITEM_REF_VALUE_2	ITEM_REF_VALUE_2	Value associated with reference value 2.
ITEM_REF_VALUE_3	ITEM_REF_VALUE_3	Value associated with reference value 3.
ITEM_RELEASE_STATUS_EXT	ITEM_RELEASE_STATUS_EXT	Customer part release status.
LADING_QUANTITY_EXT	LADING_QUANTITY_EXT	
LETTER_CREDIT_EXPDT_EXT	LETTER_CREDIT_EXPDT_EXT	Letter of credit expiration date.
LETTER_CREDIT_EXT	LETTER_CREDIT_EXT	Letter of credit.
LINE_REFERENCE	LINE_REFERENCE	Unique line identifier within an order for a transmission identifier.
LINK_TO_LINE_REF	LINK_TO_LINE_REF	Link to immediate Parent_Line_reference within an order for a transmission identifier.
ORDER_NUMBER	ORDER_HEADER_ID	Derived from OE_ORDER_HEADERS_ALL.
OTHER_NAME_CODE_1	OTHER_NAME_CODE_1	
OTHER_NAME_CODE_2	OTHER_NAME_CODE_2	
OTHER_NAME_VALUE_1	OTHER_NAME_VALUE_1	Other name value for code 1.
OTHER_NAME_VALUE_2	OTHER_NAME_VALUE_2	Other name value for code 2.
PACK_SIZE_EXT	PACK_SIZE_EXT	Size of supplier units in pack.
PACK_UNITS_PER_PACK_EXT	PACK_UNITS_PER_PACK_EXT	Number of inner pack units per pack unit.
PACK_UOM_CODE_EXT	PACK_UOM_CODE_EXT	Unit of measure of supplier units.
PACKAGING_CODE_EXT	PACKAGING_CODE_EXT	Packaging code.

Field Name	Maps to Column	Description
PARENT_LINE_LINE_REF	PARENT_LINE_LINE_REF	Line reference of top model for a transmission identifier.
PRICE_LIST_NAME	PRICE_LIST_ID	
PRIMARY_QUANTITY	PRIMARY_QUANTITY	Quantity for the primary unit of measure.
PRIMARY_UOM_CODE	PRIMARY_UOM_CODE	Primary unit of measure code.
PRIME_CONTRCTR_PART_EXT	PRIME_CONTRCTR_PART_EXT	Prime contractor part number.
CUST_PO_RELEASE_NUM	CUST_PO_RELEASE_NUM	PO Release Number.
CUST_PO_DATE	CUST_PO_DATE	PO Date.
CUST_PO_LINE_NUM	CUST_PO_LINE_NUM	PO Line Number.
QTY_TYPE_CODE	QTY_TYPE_CODE	Validated against FND_LOOKUPS.LOOKUP_TYPE=RLM_QTY_TYPE_CODE.
RETURN_CONTAINER_EXT	RETURN_CONTAINER_EXT	Returnable container.
ROUTING_DESC_EXT	ROUTING_DESC_EXT	Routing description from the customer.
ROUTING_SEQ_CODE_EXT	ROUTING_SEQ_CODE_EXT	Routing sequence code.
SCHEDULE_ITEM_NUM	SCHEDULE_ITEM_NUM	Schedule item number.
SHIP_DEL_PATTERN_EXT	SHIP_DEL_PATTERN_EXT	Customer ship delivery pattern code.
SHIP_DEL_TIME_CODE_EXT	SHIP_DEL_TIME_CODE_EXT	Customer ship delivery time code
SHIP_DEL_RULE_NAME	SHIP_DEL_RULE_NAME	Delivery rule name.
SHIP_FROM_ADDRESS_1_EXT	SHIP_FROM_ADDRESS_1_EXT	Ship from address line 1.
SHIP_FROM_ADDRESS_2_EXT	SHIP_FROM_ADDRESS_2_EXT	Ship from address line 2.
SHIP_FROM_ADDRESS_3_EXT	SHIP_FROM_ADDRESS_3_EXT	Ship from address line 3.
SHIP_FROM_ADDRESS_4_EXT	SHIP_FROM_ADDRESS_4_EXT	Ship from address line 4.
SHIP_FROM_CITY_EXT	SHIP_FROM_CITY_EXT	Ship from city address.
SHIP_FROM_COUNTRY_EXT	SHIP_FROM_COUNTRY_EXT	Ship from address country.
SHIP_FROM_COUNTY_EXT	SHIP_FROM_COUNTY_EXT	Ship from address county.

Field Name	Maps to Column	Description
SHIP_FROM_ORGANIZATION	SHIP_FROM_ORG_ID	Derived from HR_ALL_ORGANIZATION_ UNITS and HR_LOCATIONS, using LOCATION_ID as the join between them. Assign NAME to the Organization name and a SHIP_FROM address columns to the address columns in HR_LOCATIONS.
SHIP_FROM_POSTAL_CD_EXT	SHIP_FROM_POSTAL_CD_EXT	Ship from address postal code.
SHIP_FROM_PROVINCE_EXT	SHIP_FROM_PROVINCE_EXT	Ship from address province.
SHIP_FROM_STATE_EXT	SHIP_FROM_STATE_EXT	Ship from address state.
SHIP_LABEL_INFO_LINE1 through SHIP_LABEL_INFO_LINE10	SHIP_LABEL_INFO_LINE1 through SHIP_LABEL_INFO_LINE10	Pull signal barcode label routing information line 1 through line 10.
SHIP_TO_ADDRESS_1_EXT	SHIP_TO_ADDRESS_1_EXT	Ship to address line 1.
SHIP_TO_ADDRESS_2_EXT	SHIP_TO_ADDRESS_3_EXT	Ship to address line 2.
SHIP_TO_ADDRESS_3_EXT	SHIP_TO_ADDRESS_1_EXT	Ship to address line 3.
SHIP_TO_ADDRESS_4_EXT	SHIP_TO_ADDRESS_4_EXT	Ship to address line 4.
SHIP_TO_CITY_EXT	SHIP_TO_CITY_EXT	Ship to city.
DELIVER_TO_ORGANIZATION		
SHIP_TO_COUNTRY_EXT	SHIP_TO_COUNTRY_EXT	Ship to country.
SHIP_TO_COUNTY_EXT	SHIP_TO_COUNTY_EXT	Ship to county.
SHIP_TO_NAME_EXT	SHIP_TO_NAME_EXT	Ship to name.
SHIP_TO_POSTAL_CD_EXT	SHIP_TO_POSTAL_CD_EXT	Ship to postal code.
SHIP_TO_STATE_EXT	SHIP_TO_STATE_EXT	Ship to state.
SHIP_TO_PROVINCE_EXT	DELIVER_TO_ORG_ID	Derived from RA_SITE_USES_ALL and RA_ADDRESSES, using ADDRESS_ID as the join between them. INVOICE_TO_ ORGANIZATION is the Location in RA_SITE_USES_ALL. The other address lines are taken from the SHIP_TO address columns.
START_DATE_TIME	START_DATE_TIME	Start date and time.

Field Name	Maps to Column	Description
SUBLINE_ASSIGNED_ID_EXT	SUBLINE_ASSIGNED_ID_EXT	Subline assigned identification.
SUBLINE_CONFIG_CODE_EXT	SUBLINE_CONFIG_CODE_EXT	Subline configuration code.
SUBLINE_CUST_ITEM_EXT	SUBLINE_CUST_ITEM_EXT	Subline customer assigned number.
SUBLINE_MODEL_NUM_EXT	SUBLINE_MODEL_NUM_EXT	Subline customer model number.
SUBLINE_QUANTITY	SUBLINE_QUANTITY	Subline quantity.
SUBLINE_UOM_CODE	SUBLINE_UOM_CODE	Subline unit of measure code.
SUPPLIER_ITEM_EXT	SUPPLIER_ITEM_EXT	Supplier item number.
TRANSIT_TIME_EXT	TRANSIT_TIME_EXT	Transit time.
TRANSPORT_LOC_QUAL_EXT	TRANSPORT_LOC_QUAL_EXT	Transit time qualifier.
TRANSPORT_LOCATION_EXT	TRANSPORT_LOCATION_EXT	Specific shipping location.
TRANSPORT_METHOD_EXT	TRANSPORT_METHOD_EXT	Transportation method.
UOM_CODE	UOM_CODE	Unit of measure code.
WEIGHT_EXT	WEIGHT_EXT	Weight from the customer.
WEIGHT_QUALIFIER_EXT	WEIGHT_QUALIFIER_EXT	Weight qualifier.
WEIGHT_UOM_EXT	WEIGHT_UOM_EXT	Weight unit of measure.
FBO_CONFIGURATION_KEY_1	FBO_CONFIGURATION_KEY_1	For FBO Production Schedules, the first sort key for identifying configurations indicated by the customer.
FBO_CONFIGURATION_KEY_2	FBO_CONFIGURATION_KEY_2	For FBO Production Schedules, the second sort key for identifying configurations indicated by the customer.
FBO_CONFIGURATION_KEY_3	FBO_CONFIGURATION_KEY_3	For FBO Production Schedules, the third sort key for identifying configurations indicated by the customer.
FBO_CONFIGURATION_KEY_4	FBO_CONFIGURATION_KEY_4	For FBO Production Schedules, the fourth sort key for identifying configurations indicated by the customer.

Field Name	Maps to Column	Description
FBO_CONFIGURATION_KEY_5	FBO_CONFIGURATION_KEY_5	For FBO Production Schedules, the fifth sort key for identifying configurations indicated by the customer.
LINE_NUMBER	LINE_NUMBER	Unique identifier of a line within a schedule.
INTMED_SHIP_TO_ ORGANIZATION	INTMED_SHIP_TO_ORG_ID	Derived from RA_SITE_USES_ALL and RA_ADDRESSES, using ADDRESS_ID as the join between them. INTMED_SHIP_TO_ ORGANIZATION is the Location in RA_SITE_USES_ALL. The other address lines are taken from the INTRMED_SHIP_TO address columns.
LINE_SOURCE	LINE_SOURCE	
PREFERRED_GRADE	PREFERRED_GRADE	

Receive Forecast Service

The name of this service is:

WmOAMFG1159.masterScheduling1159.intoOA.forecast:receiveForecast

This service imports forecasts. You can use the Open Forecast interface to load forecast entries for existing forecasts and forecasting sets in the Oracle Master Scheduling/MRP Application.

The Planning Manager runs in background mode and launches the Forecast Interface Load program to perform the import. The Planning Manager scans for rows with a PROCESS_STATUS = 2. These records are then validated and processed. If they are successfully processed, the PROCESS_STATUS is set to 5. If they contain a validation error, PROCESS_STATUS is set to 4 and the appropriate ERROR_MESSAGE appears.

Since the Planning Manager is normally scheduled from the Oracle Applications, you use the IS flow to insert data into the open interface tables.

Database Scripts

This service does not use any database scripts.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setForecastTxn1159.txp

- ForecastTransaction1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import inventory transactions:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

    - **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

    - **getForecastLineId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes LINE_CODE as the input parameter, and queries the table WIP_LINES to get the LINE_ID corresponding to the current ORGANIZATION_NAME.

    - **getInventoryItemId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ITEM_CODE as the input parameter, and queries the table MTL_SYSTEM_ITEMS_B_KFV to get the INVENTORY_ITEM_ID corresponding to the current ORGANIZATION_NAME.

    - **getProjectId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes PROJECT_NAME as the input parameter, and queries the table PA_PROJECTS_ALL to get the PROJECT_ID.

    - **getTaskId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes PROJECT_NAME and TASK_NUMBER as the input parameters, and queries the tables PA_PROJECTS_ALL and PA_TASKS to get the TASK_ID.

    - **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business

document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

◾ **getOASystemDateObject** returns the Oracle Applications system date as a date object.

◾ **convertToDataObject** converts text date format into object date format. This service is a transformer in bizDocMapping.

◾ **setForecastTxn** inserts data into the interface table, MRP_FORECAST_INTERFACE for Open Forecast.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document ForecastBizDoc. Its structure is as follows:

◾ FORECAST_BIZDOC

FORECAST_BIZDOC (Maps to MRP_FORECAST_INTERFACE)

Field Name	Maps to Column	Description
ITEM_NUMBER	INVENTORY_ITEM_ID	Required. Item number in the forecast.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Name of the organization.
FORECAST_DESIGNATOR	FORECAST_DESIGNATOR	Required. Forecast name.
CONFIDENCE_PERCENTAGE	CONFIDENCE_PERCENTAGE	Required. Reliability of forecast data in percentage.
FORECAST_DATE	FORECAST_DATE	Required.
QUANTITY	QUANTITY	Required.
COMMENTS	COMMENTS	Comments about the forecast.
WORKDAY_CONTROL	WORKDAY_CONTROL	Indicates the action that the Forecast Interface Load should use if it finds a forecast date or a forecast end date that is not a valid workday. Use: 1 for Reject (default), 2 for Shift forward, 3 for Shift backward. If set to null then it assumes 1

Field Name	Maps to Column	Description
BUCKET_TYPE	BUCKET_TYPE	Use: 1 for Days (default), 2 for Weeks, 3 for Periods.
FORECAST_END_DATE	FORECAST_END_DATE	End date forecasts that span multiple periods.
TRANSACTION_ID	TRANSACTION_ID	Required only when replacing an existing forecast. Must match existing transaction ID in MRP_FORECAST_DATES table.
SOURCE_CODE	SOURCE_CODE	Identifies external system.
SOURCE_LINE_ID	SOURCE_LINE_ID	External system reference for the forecast record.
PROJECT_NAME	PROJECT_ID	Project name.
TASK_NUMBER	TASK_ID	Task number.
LINE_CODE	LINE_ID	Line code of WIP job line.

Receive Inventory Transaction Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.INVTransaction:receiveInvTransaction

This service loads transactions from external applications and feeder systems into Oracle Inventory. These transactions can include:

■ Inventory issues and receipts (including user-defined transaction types)

■ Subinventory transfers

■ Direct inter-organization transfers

■ Intransit shipments

■ WIP component issues and returns

■ Sales orders shipments

■ Inventory average cost updates

Material transactions are processed by the Inventory Transaction Manager, which spawns transaction workers depending on the load. Normally, this is run asynchronously. For this transaction, one transaction worker will be spawned to process the records in the interface

table. Because the Inventory Transaction Manager runs asynchronously, it will not pick up these records.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_invtxn.sql	Runs the scripts listed below, except the uninstall script.
wm_into_invtxn_pkg.sql	Installs WM_INV_TXN_IMP_HANDLER_PKG.WM_HANDLE_INV_TXN, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Inventory Open Transaction Import process. The process in the Inventory Module is Material Transaction.
wm_into_invtxn_seq.sql	Creates the following components: ■ WM_MTL_TRANSACTION_HEADER_S, which creates the TRANSACTION_HEADER_ID sequence ■ WM_SERIAL_TRANSACTION_TEMP_S, which create the SERIAL_TRANSACTION_TEMP_ID sequence ■ WM_MATERIAL_TRANSACTION_S, which creates the TRANSACTION_INTERFACE_ID sequence
wm_drop_into_invtxn.sql	Uninstalls all components created by wm_install_into_invtxn.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setInvTransactionTxn1159.txp

■ InvTransactionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import inventory transactions:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  - **getInventoryItemId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ITEM_CODE and ORGANIZATION_NAME as the input parameter, and queries the table MTL_SYSTEM_ITEMS_B_KFV and HR_ALL_ORGANIZATIONS_UNITS to get the INVENTORY_ITEM_ID corresponding to the input parameters.

  - **getLocatorId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes LOCATOR and ORGANIZATION_NAME as the input parameter, and queries the view MTL_ITEM_LOCATIONS_KFV and the table ORG_ORGANIZATION_DEFINITIONS to get the INVENTORY_LOCATION_ID corresponding to the LOCATOR and ORGANIZATION_NAME.

  - **getSourceId** is a transformer for mapping the business document IData structure to the interface table IData structure. Transaction source ID can be generated from one of the input parameters. This service takes all the parameters and calls the appropriate service to return source_id.

  - **getDispositionId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ACCOUNT_ALIAS as the input parameter, and queries the table MTL_GENERIC_DISPOSITIONS to get the DISPOSITION_ID corresponding to the alias.

  - **getSalesOrderHeaderId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes SALES_ORDER as the input parameter, and queries the table OE_ORDER_HEADERS_ALL to get the HEADER_ID corresponding to the SALES_ORDER.

  - **getTransactionTypeId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes TRANSACTION_TYPE_NAME as the input parameter, and queries the table MTL_TRANSACTION_TYPES to get the TRANSACTION_TYPE_ID, TRANSACTION_ACTION_ID, and TRANSACTION_SOURCE_TYPE_ID corresponding to the TRANSACTION_TYPE_NAME.

  - **getReasonId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes REASON_NAME as the input

parameter, and queries the table MTL_TRANSACTION_REASONS to get the REASON_ID corresponding to the REASON_NAME.

- **getRequisitionLineId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes PO_REQUISITION_LINE_NUMBER as the input parameter, and queries the tables PO_REQUISITION_HEADERS_ALL and PO_REQUISITION_LINES_ALL to get the REQUISITION_LINE_ID corresponding to the PO_REQUISITION_LINE_NUMBER.

- **getEntityTypeValue** is a transformer that converts the entity type text to a corresponding value.

- **getSubstitutionIdValue** converts the incoming substitution ID string to an Oracle Applications understandable value.

- **getCostGroupId2** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes COST_GROUP as the input parameter, and queries the table CST_ COST_GROUPS to get the COST_GROUP_ID.

- **getWIPEntityId** is a transformer for mapping the business document that takes the WIP_ENTITY_NAME and ORGANIZATION_NAME as input, and returns WIP_ENTITY_ID by querying the WIP_ENTITIES table.

- **getSerialTempId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes a record list containing records of serial controlled inventory. If the item is both lot-controlled and serial-controlled, then it selects only the sequence number.

- **setInvTransactionTxn** inserts data into the interface table.

- **importInvTransaction** imports data to the production table from the interface table. It calls the services execInvTransactionConcProg, checkInvTransactionImportStatus, and getInvTransactionImport_ERR to execute the corresponding concurrent program that inserts data into the production table and generates the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execInvTransactionConcProg), it checks for records in the interface table. If records are found, it then indicates an error during import. In this case, this service calls getInvTransactionImport_ERR to retrieve the errors. If no records are found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution.

  - **execInvTransactionConcProg** invokes the stored procedure WM_INV_TXN_IMP_HANDLER_PKG.WM_HANDLE_INV_TXN. The procedure calls the corresponding concurrent subroutine to execute the data import process for Inventory Open Transactions into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database error message (if an exception occurs in the Stored Procedure execution).

- **checkInvTransactionImportStatus** checks the status of the execution by checking the Interface Table for any rejected record corresponding to the current TRANSACTION_HEADER_ID. If the query does not return any rows, it indicates a successful import. If the query returns any row, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications.

- **getInvTransactionImport_ERR** gets the error message that occurs during the data import to the production table from interface table. Based on the parameter TRANSACTION_HEADER_ID, it scans the table MTL_TRANSACTIONS_INTERFACE to get the corresponding message.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document InvTransactionBizDoc. Its structure is as follows:

- 1.0. MTL_TRANSACTIONS
    - 1.1. CST_COMP_SNAP
    - 1.2. MTL_SERIAL_NUMBERS
    - 1.3. MTL_TRANSACTION_LOTS
        - 1.3.1. MTL_SERIAL_NUMBERS

Use the appropriate business document structures for items as follows:

For items that are ...	Use this document structure ...
Serial-controlled	MTL_TRANSACTIONS and MTL_SERIAL_NUMBERS
Lot-controlled	MTL_TRANSACTIONS and MTL_TRANSACTION_LOTS
Serial-controlled and lot-controlled	MTL_TRANSACTIONS, MTL_SERIAL_NUMBERS, and MTL_TRANSACTION_LOTS
Neither serial number-controlled nor lot-controlled	MTL_TRANSACTIONS

The total number of records in the Material Serial Numbers/Material Lot Numbers must match the corresponding header transaction quantity for serial-controlled items. The total number of records in Material Serial Numbers must match the Material Lot Numbers transaction quantity if the item is both serial-controlled and lot-controlled. The business

document structure CST_COMP_SNAP must be populated in case an average cost update is to be done.

1.0. MTL_TRANSACTIONS (Maps to MTL_TRANSACTIONS_INTERFACE)

Field Name	Maps to Column	Description
SOURCE_CODE	SOURCE_CODE	Required. Identifies the external system.
SOURCE_LINE_ID	SOURCE_LINE_ID	Required. External System Reference to line.
SOURCE_HEADER_ID	SOURCE_HEADER_ID	Required. External System Reference to header.
INVENTORY_ITEM	INVENTORY_ITEM_ID	Derives the Inventory Item ID from the MTK_SYSTEM_ITEMS_B_KFV table.
REVISION	REVISION	Revision number if under revision control.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Derived using ORG_ORGANIZATION_ DEFINITIONS table.
SET_OF_BOOKS_NAME		
SUBINVENTORY_CODE	SUBINVENTORY_CODE	Subinventory code for the item and all transaction types except cost update.
LOCATOR	LOCATOR_ID	Derived from the MTK_ITEM_LOCATIONS_KFV table. To be provided if item under locator control.
TRANSACTION_QUANTITY	TRANSACTION_QUANTITY	Required.
TRANSACTION_UOM	TRANSACTION_UOM	Required.
TRANSACTION_DATE	TRANSACTION_DATE	Required.
TRANSACTION_SOURCE_ NAME	TRANSACTION_SOURCE_ NAME	User defined source name.
TRANSACTION_TYPE_NAME	TRANSACTION_TYPE_ID TRANSACTION_SOURCE_ID	Derived from the MTL_TRANSACTION_TYPES table.

Field Name	Maps to Column	Description
ACCOUNT		Required for an account type of transaction. COMBINATION_ID is derived using GL_CODE_COBMINATIONS_ KFV.
ACCOUNT_ALIAS		Required for account alias transactions. DISPOSITION_ID is derived using the MTL_GENERIC_DISPOSITIONS table.
JOB		Required only for WIP and Schedule transactions. WIP_ENTITY_ID is derived using WIP_ENTITIES table.
SALES_ORDER		Required for Sales Order Transactions. Key flexfield segments provided. HEADER_ID is derived from the OE_ORDER_HEADERS_ALL table.
REASON	REASON_ID	Derived from MTL_TRANSACTION_ REASONS.
PO_REQUISITION_NUMBER	REQUISITION_LINE_ID	Derived from the PO_REQUISITION_HEADERS_ ALL and PO_REQUISITION_LINES_ALL tables.
PO_REQUISITION_LINE_ NUMBER		
TRANSACTION_REFERENCE	TRANSACTION_REFERENCE	
TRANSACTION_COST	TRANSACTION_COST	Cost to be used for inventory issues. If left blank, the cost in the system is used.
DISTRIBUTION_ACCOUNT_ CODE	DISTRIBUTION_ACCOUNT_ID	Required in case of inventory issues and receipts of an asset item and for sales order shipment transactions.

Field Name	Maps to Column	Description
CURRENCY_CODE	CURRENCY_CODE	Required if transaction cost is in a different currency than the set of books currency.
CURRENCY_CONVERSION_TYPE	CURRENCY_CONVERSION_TYPE	
CURRENCY_CONVERSION_RATE	CURRENCY_CONVERSION_RATE	
CURRENCY_CONVERSION_DATE	CURRENCY_CONVERSION_DATE	
USSGL_TRANSCTION_CODE	USSGL_TRANSACTION_CODE	United States GL Code.
ENCUMBRANCE_ACCOUNT	ENCUMBRANCE_ACCOUNT	Derived from GL_CODE_COMBINATIONS_KFV.
ENCUMBRANCE_AMOUNT	ENCUMBRANCE_AMOUNT	
VENDOR_LOT_NUMBER	VENDOR_LOT_NUMBER	Cross Reference Supplier Lot Number.
TRANSFER_SUBINVENTORY	TRANSFER_SUBINVENTORY	Required for subinventory transfers.
TRANSFER_ORGANIZATION_NAME	TRANSFER_ORGANIZATION	Derives the ORGANIZATION_ID using the organization name.
TRANSFER_LOCATOR_SEGMENTED	TRANSFER_LOCATOR	Destination Locator Internal ID derived from MTL_ITEM_LOCATIONS_KFV.
SHIPMENT_NUMBER	SHIPMENT_NUMBER	Shipment Number. Required for in-transit shipments.
TRANSPORTATION_COST	TRANSPORTATION_COST	
TRANSPORTATION_ACCOUNT_CODE	TRANSPORTTAION_ACCOUNT	Derives CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_KFV.
TRANSFER_COST	TRANSFER_COST	
FREIGHT_CODE	FREIGHT_CODE	
CONTAINERS	CONTAINERS	Number of containers.
WAYBILL_AIRBILL	WAYBILL_AIRBILL	
EXPECTED_ARRIVAL_DATE	EXPECTED_ARRIVAL_DATE	Has no timestamp.

Field Name	Maps to Column	Description
NEW_AVERAGE_COST	NEW_AVERAGE_COST	Required for average cost transactions.
VALUE_CHANGE	VALUE_CHANGE	Required for average cost transactions.
PERCENTAGE_CHANGE	PERCENTAGE_CHANGE	Required for average cost transactions.
WIP_ENTITY_TYPE	WIP_ENTITY_TYPE	Required for WIP component issues and returns. Use: 1 for Standard discrete jobs, 2 for Repetitive schedules, 3 for Non-standard discrete jobs, 4 for Work order less schedule.
SCHEDULE_NUMBER	SCHEDULE_NUMBER	Schedule number.
OPERATION_SEQ_NO	OPERATION_SEQ_NUM	Required for WIP component issues and returns with routings. For WIP routings, values should be 1.
SHIPPABLE_FLAG	SHIPPABLE_FLAG	
BOM_REVISION	BOM_REVISION	
ROUTING_REVISION	ROUTING_REVISION	
BOM_REVISION_DATE	BOM_REVISION_DATE	
ROUTING_REVISION_DATE	ROUTING_REVISION_DATE	
ALTERNATE_BOM_ DESIGNATOR	ALTERNATE_BOM_ DESIGNATOR	
ALTERNATE_ROUTING_ DESIGNATOR	ALTERNATE_ROUTING_ DESIGNATOR	
ACCOUNTING_CLASS	ACCOUNTING_CLASS	Accounting class to be used for the flow schedule.
DEMAND_CLASS	DEMAND_CLASS	The class to which demand is tied.
SUBSTITUTION_ID	SUBSTITUTION_ID	Use: 1 for Change, 2 for Delete, 3 for Add, 4 for Lot/Serial number information for items.
SUBSTITUTION_ITEM	SUBSTITUTION_ITEM_ID	Derived from MTL_SYSTEM_ITEMS_B_KFV.

Field Name	Maps to Column	Description
SCHEDULED_FLAG	SCHEDULED_FLAG	
SCHEDULE_GROUP	SCHEDULE_GROUP	
REPETITIVE_LINE_ID	REPETITIVE_LINE_ID	
PICKING_LINE_ID	PICKING_LINE_ID	
CUSTOMER_SHIP_ID	CUSTOMER_SHIP_ID	
FLOW_SCHEDULE	FLOW_SCHEDULE	
COST_GROUP_NAME	COST_GROUP_ID	

1.1. CST_COMP_SNAP (Maps to CST_COMP_SNAP_INTERFACE)

Field Name	Maps to Column	Description
WIP_ENTITY_NAME	WIP_ENTITY_ID	Required. Derived WIP_ENTITY_ID from WIP_ENTITIES.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUMBER	Required. WIP operation sequence information.
QUANTITY_COMPLETED	QUANTITY_COMPLETED	Required.

1.2. MTL_SERIAL_NUMBERS (Maps to MTL_SERIAL_NUMBERS_INTERFACE)

Field Name	Maps to Column	Description
SOURCE_CODE	SOURCE_CODE	Required. User Defined Source Identifier.
SOURCE_LINE_ID	SOURCE_LINE_ID	External line identifier.
VENDOR_SERIAL_NUMBER	VENDOR_SERIAL_NUMBER	References vendor information.
FM_SERIAL_NUMBER	FM_SERIAL_NUMBER	Required. Starting serial number in the range. If only the FM_SERIAL_NUMBER is entered, the transaction processor assumes that only one transaction is being processed.
TO_SERIAL_NUMBER	TO_SERIAL_NUMBER	Required. End serial number to specify a range.

1.3. MTL_TRANSACTION_LOTS (Maps to MTL_TRANSACTION_LOTS_INTERFACE)

Field Name	Maps to Column	Description
SOURCE_CODE	SOURCE_CODE	User-defined source identifier.
SOURCE_LINE_ID	SOURCE_LINE_ID	User-defined line ID to identify external system.
LOT_NUMBER	LOT_NUMBER	Required. Lot number being processed.
LOT_EXPIRATION_DATE	LOT_EXPIRATION_DATE	Required if the item is under lot expiration control.
TRANSACTION_QUANTITY	TRANSACTION_QUANTITY	Required. Quantity being processed.
VENDOR_SERIAL_NUMBER	VENDOR_SERIAL_NUMBER	References vendor information.

1.3.1. MTL_SERIAL_NUMBERS (MTL_SERIAL_NUMBERS_INTERFACE)

Field Name	Maps to Column	Description
SOURCE_CODE	SOURCE_CODE	Required. User-defined source identifier.
SOURCE_LINE_ID	SOURCE_LINE_ID	External line identifier.
VENDOR_SERIAL_NUMBER	VENDOR_SERIAL_NUMBER	References vendor information.
FM_SERIAL_NUMBER	FM_SERIAL_NUMBER	Required. Starting serial number in the range. If only the FM_SERIAL_NUMBER is entered, the transaction processor assumes that only one transaction is being processed.
TO_SERIAL_NUMBER	TO_SERIAL_NUMBER	Required. End serial number to specify a range.

Receive Item Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.item:receiveItem

This service imports items from external sources into Oracle Applications. You can also use this service to import item category assignments and item revisions simultaneously.

Features of this service include the following:

- Items can be assigned to a master organization or a child organization. When you assign an item to a child organization, all item-level attributes default down from the master organization only if the attribute column is null. The only exceptions are attributes under status control.

- Revisions always exist at the item organization-level. You need revision data for each item organization you update. If you choose not to use revisions table, do not include revisions in the biz doc. The item interface import assigns each item a beginning revision, using the default specified in the organization parameters.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_invitem.sql	Runs the scripts listed below, except the uninstall script.
wm_into_invitem_pkg.sql	Installs WM_INV_ITEM_IMP_HANDLER_PKG.WM_HANDLE_INV_ITEM, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Item Import process.
wm_into_invitem_seq.sql	Creates the following component: ■ WM_MTL_SYSTEM_ITEMS_SETS_S, which creates the SET_PROCESS_ID.
wm_drop_into_invitem.sql	Uninstalls all components created by wm_install_into_invitem.sql.

For more information about using database scripts, see .

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setItemTxn1159.txp

- ItemTxn1159.txp

For information about using the transaction definition files to customize this service, see .

Flow Control

This service calls the following services to import items:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

    - **getCoverageScheduleId** is a transformer that gets COVERAGE_SCHEDULE_ID querying Oracle Applications database using COVERAGE_SCHEDULE_NAME. This service also checks the null condition for queryParams (same as all other services which are being used in transformers). In case of null value passed to queryParams, this service exits.

    - **getFACategoryId** is a transformer for mapping the business document that takes the ASSET_CATEGORY as input, and returns CATEGORY_ID.

    - **getFNDLookUpCode** converts the incoming Lookup type to LOOKUP_CODE required by Oracle Applications database.

    - **getHazardClassId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes HAZARD_CLASS as the input parameter, and gets the HAZARD_CLASS_ID querying Oracle Applications database.

    - **getItemGroupId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes DESCRIPTION as input to get the corresponding ITEM_CATALOG_GROUP_ID querying Oracle Applications database.

    - **getLookUpCode** is a transformer for the business document IData structure to the interface table IData structure. It takes LOOKUP_TYPE and MEANING as input parameters, and queries the table MFG_LOOKUPS to get the LOOKUP_CODE corresponding to the MEANING and TYPE.

- **getPOVendorId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes VENDOR_NAME as the input parameter, and queries the table PO_VENDORS to get the VENDOR_ID corresponding to the VENDOR_NAME.

- **getPaymentTermId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes PAYMENT_TERM_NAME as the input parameter, and queries the table RA_TERMS_B to get the TERM_ID corresponding to the PAYMENT_TERM_NAME.

- **getRoutingHeaderId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ROUTING_NAME as the input parameter, and queries the table RCV_ROUTING_HEADERS to get the ROUTING_HEADER_ID corresponding to the ROUTING_NAME

- **getRuleId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes RULE_NAME as the input parameter, and queries the table RA_RULES to get the RULE_ID corresponding to the input parameters.

- **getServiceableItemClassId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes SERVICEABLE_ITEM_CLASS_NAME as the input parameter, and queries the table CS_SERVICEABLE_ITEM_CLASSES to get the SERVICEABLE_ITEM_CLASS_ID corresponding to the SERVICEABLE_ITEM_CLASS_NAME.

- **getTransactionSourceId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes TRANSACTION_SOURCE_TYPE_NAME as the input parameter, and queries the table MTL_TXN_SOURCE_TYPES to get the TRANSACTION_SOURCE_TYPE_ID corresponding to the name.

- **getProcessId** is a transformer for mapping the business document IData structure to the interface table IData structure. There are two types of transactions: CREATE or UPDATE. Based on the transaction type used as an input parameter to this service, the service returns the associated process ID, and sets a flag to indicate whether the transaction is an insertion or an update.

- **getOrgId** takes ORGANIZATION_NAME as the input parameter, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

- **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

- **getOASystemDateObject** returns the Oracle Applications system date as a date object.

- **getInventoryItemId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ITEM_CODE as the input parameter, and queries the table MTL_SYSTEM_ITEMS_B_KFV to get the INVENTORY_ITEM_ID corresponding to the current ORGANIZATION_NAME.

- **getCodeCombinationId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes CONCATENATED_SEGMENTS as the input parameter, and queries the table GL_CODE_COMBINATIONS_KFV to get the CODE_COMBINATION_ID corresponding to the passed code.

- **convertToDateObject** gets the date string as input, and converts it to a date object.

- **pickSequence** gets the sequence name as an input, and picks up the next sequence for that particular one.

- **getLocatorId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes LOCATOR and ORGANIZATION_NAME as the input parameter, and queries the view MTL_ITEM_LOCATIONS_KFV and the table ORG_ORGANIZATION_DEFINITIONS to get the INVENTORY_LOCATION_ID corresponding to the LOCATOR and ORGANIZATION_NAME.

- **getEmpIIdFromFullName** converts the input of BUYER_FULL_NAME to a BUYER_ID.

- **setItemTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the Oracle Applications Item Import interface.

- **importItem** imports data to the production table from the interface table. It calls the services execItemConcProg, checkItemImportStatus, and getItemImport_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execItemConcProg), it checks for records in the interface table. If records are found, it then indicates an error during import. In this case, this service calls getItemImport_ERR to retrieve the errors. If no records are found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution. There can be two types of action on the record that must be imported: update and insert. This flow checks for the mode of action, and calls the appropriate import program.

  - **execItemConcProg** invokes the stored procedure WM_INV_ITEM_IMP_HANDLER_PKG.WM_HANDLE_INV_ITEM. The procedure calls the corresponding concurrent subroutine to execute the data import process for the Item into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program

completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

■ **checkItemImportStatus** checks the status of the execution by checking the Interface Table for any rejected records corresponding to the current REQUEST_ID. If the query does not return rows, it indicates a successful import. If the query returns rows, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications.

■ **getItemImport_ERR** service gets the error message that occurs during the data import to the production table from interface table. Based on the parameter REQUEST_ID, it scans the table MTL_TRANSACTIONS_INTERFACE to get the corresponding message.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document itemBizDoc. Its structure is as follows:

■ 1.0. MTL_SYSTEM_ITEMS

  ■ 1.1. MTL_ITEM_CATEGORIES

  ■ 1.2. MTL_ITEM_REVISIONS

1.0. MTL_SYSTEM_ITEMS (Maps to MTL_SYSTEM_ITEMS_INTERFACE)

Field Name	Maps to Column	Description
ITEM_NUMBER	ITEM_NUMBER	Segmented item number.
ORGANIZATION_NAME	ORGANIZATION_ID	Derives ORGANIZATION_ID from ORG_ORGANIZATION_DEFINITIONS.
SUMMARY_FLAG	SUMMARY_FLAG	Required. Flexfield summary flag.
ENABLED_FLAG	ENABLED_FLAG	
START_DATE_ACTIVE	START_DATE_ACTIVE	Flexfield segment start date.
END_DATE_ACTIVE	END_DATE_ACTIVE	Flexfield segment end date.
DESCRIPTION	DESCRIPTION	Item description.

Field Name	Maps to Column	Description
BUYER_FULL_NAME	BUYER_ID	Derived AGENT_ID from PO_AGENTS and PER_ALL_PEOPLE_F, where PO_AGENTS.AGENT_ID = PER_ALL_PEOPLE_F.PERSON_ID.
ACCOUNTING_RULE_NAME	ACCOUNTING_RULE_ID	Derives the RULE_ID from RA_RULES.
INVOICING_RULE_NAME	INVOICING_RULE_ID	Derives the RULE_ID from RA_RULES.
PURCHASING_ITEM_FLAG	PURCHASING_ITEM_FLAG	
SHIPPABLE_ITEM_FLAG	SHIPPABLE_ITEM_FLAG	Indicates whether the item can be shipped (Y/N).
CUSTOMER_ORDER_FLAG	CUSTOMER_ORDER_FLAG	
INTERNAL_ORDER_FLAG	INTERNAL_ORDER_FLAG	
SERVICE_ITEM_FLAG	SERVICE_ITEM_FLAG	
INVENTORY_ITEM_FLAG	INVENTORY_ITEM_FLAG	
ENG_ITEM_FLAG	ENG_ITEM_FLAG	Indicates engineering item (Y/N).
INVENTORY_ASSET_FLAG	INVENTORY_ASSET_FLAG	
PURCHASING_ENABLED_FLAG	PURCHASING_ENABLED_FLAG	Indicates whether item can be purchased (Y/N).
CUSTOMER_ORDER_ENABLED_FLAG	CUSTOMER_ORDER_ENABLED_FLAG	Indicates whether item can be customer ordered (Y/N).
INTERNAL_ORDER_ENABLED_FLAG	INTERNAL_ORDER_ENABLED_FLAG	Indicates whether item can be internally ordered (Y/N).
SO_TRANSACTIONS_FLAG	SO_TRANSACTIONS_FLAG	Sales order transaction (Y/N).
MTL_TRANSACTIONS_ENABLED_FLAG	MTL_TRANSACTIONS_ENABLED_FLAG	Indicates whether item is transactable (Y/N).
STOCK_ENABLED_FLAG	STOCK_ENABLED_FLAG	Indicates item can be stocked (Y/N).
BOM_ENABLED_FLAG	BOM_ENABLED_FLAG	Indicates whether item can appear on a Bill of Materials.
BUILD_IN_WIP_FLAG	BUILD_IN_WIP_FLAG	Indicates whether item can be built in WIP.

Field Name	Maps to Column	Description
REVISION_QTY_CONTROL	REVISION_QTY_CONTROL_CODE	Derived LOOKUP_CODE from MFG_LOOKUPS where LOOKUP_TYPE is MTL_ENG_QUANTITY for meaning column.
CATALOG_GROUP_DESCRIPTION	ITEM_CATALOG_GROUP_ID	Derives ITEM_CATALOG_GROUP_ID from MTL_ITEM_CATALOG_GROUPS.
CATALOG_STATUS_FLAG	CATALOG_STATUS_FLAG	Indicates whether item is catalog complete (Y/N).
RETURNABLE_FLAG	RETURNABLE_FLAG	Indicates whether item can be returned (Y/N).
DEFAULT_SHIPPING_ORGANIZATION_NAME	DEFAULT_SHIPPING_ORG	Derives ORGANIZATION_ID from ORG_ORGANIZATION_DEFINITIONS.
COLLATERAL_FLAG	COLLATERAL_FLAG	Indicates whether the item is a collateral item (Y/N).
TAXABLE_FLAG	TAXABLE_FLAG	Indicates whether item is taxable (Y/N).
QTY_RCV_EXCEPTION_CODE	QTY_RCV_EXCEPTION_CODE	Use: NONE for no receiving control enforced, REJECT for preventing receipt of goods or services, or WARNING for displaying warning message.
ALLOW_ITEM_DESC_UPDATE_FLAG	ALLOW_ITEM_DESC_UPDATE_FLAG	Indicates whether to allow item description updates on purchase order lines (Y/N).
INSPECTION_REQUIRED_FLAG	INSPECTION_FLAG	Indicates whether inspection is required (Y/N).
RECEIPT_REQUIRED_FLAG	RECEIPT_FLAG	Indicates whether supplier receipt is required (Y/N).
MARKET_PRICE	MARKET_PRICE	Purchasing market price.
HAZARD_CLASS	HAZARD_CLASS_ID	Derives the HAZARD_CLASS_ID from PO_HAZARD_CLASSES_B.

Field Name	Maps to Column	Description
RFQ_REQUIRED_FLAG	RFQ_REQUIRED_FLAG	Indicates whether RFQ is required (Y/N).
QTY_RCV_TOLERANCE	QTY_RCV_TOLERANCE	Maximum permissible over receipt percentage.
LIST_PRICE_PER_UNIT	LIST_PRICE_PER_UNIT	
UN_NUMBER_ID	UN_NUMBER_ID	UN purchasing number.
PRICE_TOLERANCE_PERCENT	PRICE_TOLERANCE_PERCENT	Price tolerance percentage.
ASSET_CATEGORY	ASSET_CATEGORY_ID	Derives the ASSET_CATEGORY_ID from FA_CATEGORIES_B_KFV for the concatenated segment.
ROUNDING_FACTOR	ROUNDING_FACTOR	Determines order quantity.
UNIT_OF_ISSUE	UNIT_OF_ISSUE	
ENFORCE_SHIP_TO_ LOCATION_CODE	ENFORCE_SHIP_TO_ LOCATION_CODE	Requires receipt location to match ship to location.
ALLOW_SUBSTITUTE_ RECEIPTS_FLAG	ALLOW_SUBSTITUTE_ RECEIPTS_FLAG	Indicates whether substitute receipts are allowed (Y/N).
ALLOW_UNORDERED_ RECEIPTS_FLAG	ALLOW_UNORDERED_ RECEIPTS_FLAG	Indicates whether to allow unordered receipts (Y/N).
ALLOW_EXPRESS_DELIVERY_ FLAG	ALLOW_EXPRESS_DELIVERY_ FLAG	Indicates whether to allow express delivery (Y/N).
DAYS_EARLY_RECEIPT_ ALLOWED	DAYS_EARLY_RECEIPT_ ALLOWED	
DAYS_LATE_RECEIPT_ ALLOWED	DAYS_LATE_RECEIPT_ ALLOWED	
RECEIPT_DAYS_EXCEPTION_ CODE	RECEIPT_DAYS_EXCEPTION_ CODE	Use: NONE for no receiving control enforced, REJECT for preventing receipt of goods or services, or WARNING for displaying warning message.
RECEIVING_ROUTING_NAME	RECEIVING_ROUTING_ID	Derives ROUTING_HEADER_ID from RCV_ROUTING_HEADERS.
INVOICE_CLOSE_TOLERANCE	INVOICE_CLOSE_TOLERANCE	

Field Name	Maps to Column	Description
RECEIVE_CLOSE_TOLERANCE	RECEIVE_CLOSE_TOLERANCE	
AUTO_LOT_ALPHA_PREFIX	AUTO_LOT_ALPHA_PREFIX	Lot prefix for lot number controlled item.
START_AUTO_LOT_NUMBER	START_AUTO_LOT_NUMBER	
LOT_CONTROL	LOT_CONTROL_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE=MTL_LOT_CONTROL for the meaning column. Use: 1 for No lot control, 2 for Full lot control.
SHELF_LIFE	SHELF_LIFE_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE=MTL_SHELF_LIFE for the meaning column. Use: 1 for No shelf life control, 2 for Item shelf life days, 4 for User-defined expiration date
SHELF_LIFE_DAYS	SHELF_LIFE_DAYS	
SERIAL_NUMBER_CONTROL_CODE	SERIAL_NUMBER_CONTROL_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SERIAL_NUMBER for the meaning column. Use: 1 for No serial number control, 2 for Predefined serial numbers, 5 for Dynamic entry at inventory receipt, 6 for Dynamic entry at sales order issue.
START_AUTO_SERIAL_NUMBER	START_AUTO_SERIAL_NUMBER	Start auto serial number.
AUTO_SERIAL_ALPHA_PREFIX	AUTO_SERIAL_ALPHA_PREFIX	Serial number prefix.

Field Name	Maps to Column	Description
SOURCE_TYPE	SOURCE_TYPE	Use either Inventory or Supplier. Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SOURCE_TYPES for the meaning column.
SOURCE_ORGANIZATION_ NAME	SOURCE_ORGANIZATION_ID	Derives ORGANIZATION_ID from ORG_ORGANIZATION_ DEFINITIONS.
SOURCE_SUBINVENTORY	SOURCE_SUBINVENTORY	
EXPENSE_ACCOUNT	EXPENSE_ACCOUNT	Derives CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_ KFV.
ENCUMBRANCE_ACCOUNT	ENCUMBRANCE_ACCOUNT	Derives CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_ KFV.
RESTRICT_SUBINVENTORIES	RESTRICT_SUBINVENTORIES_ CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SUBINVENTORY_ RESTRICTIONS for the meaning column. Use: 1 for Subinventories restricted to predefined list, or 2 for Subinventories not restricted to predefined list.
UNIT_WEIGHT	UNIT_WEIGHT	
WEIGHT_UOM_CODE	WEIGHT_UOM_CODE	Weight unit of measure code.
VOLUME_UOM_CODE	VOLUME_UOM_CODE	Volume unit of measure code.
UNIT_VOLUME	UNIT_VOLUME	
RESTRICT_LOCATORS	RESTRICT_LOCATORS_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_LOCATOR_ RESTRICTIONS for the meaning column. Use: 1 for Locators restricted to predefined list, or 2 for Locators not restricted to predefined list.

Field Name	Maps to Column	Description
LOCATION_CONTROL	LOCATION_CONTROL_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_LOCATION_CONTROL for the meaning column. Use: 1 for No locator control, 2 for Previously specified locator control, 3 for Dynamic entry locator control, 4 for Locator control determined at subinventory level, or 5 for Locator control determined at item level.
SHINKRAGE_RATE	SHINKRAGE_RATE	Planned shrinkage rate.
ACCEPTABLE_EARLY_DAYS	ACCEPTABLE_EARLY_DAYS	Days an order may be early before rescheduling is recommended.
PLANNING_TIME_FENCE	PLANNING_TIME_FENCE_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_TIME_FENCE for the meaning column. Use: 1 for Cumulative total lead time, 2 for Cumulative manufacturing lead time, 3 for Total lead time, or 4 for User-defined time fence.
DEMAND_TIME_FENCE	DEMAND_TIME_FENCE_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_TIME_FENCE for the meaning column. Use: 1 for Cumulative total lead time, 2 for Cumulative manufacturing lead time, 3 for Total lead time, or 4 for User-defined time fence.
LEAD_TIME_LOT_SIZE	LEAD_TIME_LOT_SIZE	Lead time lot size.
STD_LOT_SIZE	STD_LOT_SIZE	Standard lot size.
CUM_MANUFACTURING_LEAD_TIME	CUM_MANUFACTURING_LEAD_TIME	Cumulative lead time.
OVERRUN_PERCENTAGE	OVERRUN_PERCENTAGE	MRP repetitive overrun rate.

Field Name	Maps to Column	Description
MRP_CALCULATE_ATP_FLAG	MRP_CALCULATE_ATP_FLAG	
ACCEPTABLE_RATE_ INCREASE	ACCEPTABLE_RATE_ INCREASE	MRP repetitive acceptable rate increase.
ACCEPTABLE_RATE_ DECREASE	ACCEPTABLE_RATE_ DECREASE	MRP repetitive acceptable rate decrease.
CUMULATIVE_TOTAL_LEAD_ TIME	CUMULATIVE_TOTAL_LEAD_ TIME	
PLANNING_TIME_FENCE_ DAYS	PLANNING_TIME_FENCE_ DAYS	
DEMAND_TIME_FENCE_DAYS	DEMAND_TIME_FENCE_DAYS	
END_ASSEMBLY_PEGGING_ FLAG	END_ASSEMBLY_PEGGING_ FLAG	
REPETITIVE_PLANNING_ FLAG	REPETITIVE_PLANNING_ FLAG	
PLANNING_EXCEPTION_SET	PLANNING_EXCEPTION_SET	Exception control set.
BOM_ITEM_TYPE	BOM_ITEM_TYPE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE is BOM_ITEM_TYPE for meaning column.
PICK_COMPONENTS_FLAG	PICK_COMPONENTS_FLAG	
REPLENISH_TO_ORDER_FLAG	REPLENISH_TO_ORDER_FLAG	
BASE_ITEM	BASE_ITEM_ID	Derives ITEM_ID from MTL_SYSTEM_ITEMS_B_KFV for the ITEM and Organization.
ATP_COMPONENTS_FLAG	ATP_COMPONENTS_FLAG	Required.
ATP_FLAG	ATP_FLAG	Required. Indicates whether ATP must be checked when ordering the item.
FIXED_LEAD_TIME	FIXED_LEAD_TIME	Fixed portion of the assembly lead time.
VARIABLE_LEAD_TIME	VARIABLE_LEAD_TIME	Variable lead time.
WIP_SUPPLY_LOCATOR	WIP_SUPPLY_LOCATOR_ID	Derives LOCATION_ID from MTL_ITEM_LOCATIONS_KFV for the concatenated segment.

Field Name	Maps to Column	Description
WIP_SUPPLY_TYPE	WIP_SUPPLY_TYPE	Derived from MFG_LOOKUPS for LOOKUP_TYPE WIP_SUPPLY.
WIP_SUPPLY_SUBINVENTORY	WIP_SUPPLY_SUBINVENTORY	
PRIMARY_UOM_CODE	PRIMARY_UOM_CODE	Primary unit of measure code.
ALLOWED_UNITS_LOOKUP	ALLOWED_UNITS_LOOKUP_CODE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_CONVERSION_TYPE for the meaning column's Allowed Units Lookup Code.
COST_OF_SALES_ACCOUNT	COST_OF_SALES_ACCOUNT	Derives ACCOUNT_ID from GL_CODE_COMBINATIONS_KFV for the concatenated segment.
SALES_ACCOUNT	SALES_ACCOUNT	Derives ACCOUNT_ID from GL_CODE_COMBINATIONS_KFV for the concatenated segment.
DEFAULT_INCLUDE_IN_ROLLUP_FLAG	DEFAULT_INCLUDE_IN_ROLLUP_FLAG	Indicates whether to include default value in cost rollup (Y/N).
INVENTORY_ITEM_STATUS_CODE	INVENTORY_ITEM_STATUS_CODE	
INVENTORY_PLANNING	INVENTORY_PLANNING_CODE	Derives LOOKUP_CODE from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_MATERIAL_PLANNING Inventory Planning Code.
PLANNER_CODE	PLANNER_CODE	
PLANNING_MAKE_BUY	PLANNING_MAKE_BUY_CODE	Indicates whether item is planned as manufactured or purchased. Derives LOOKUP_CODE from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_PLANNING_MAKE_BUY.
FIXED_LOT_MULTIPLIER	FIXED_LOT_MULTIPLIER	
ROUNDING_CONTROL_TYPE	ROUNDING_CONTROL_TYPE	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_ROUNDING for the meaning column.

Field Name	Maps to Column	Description
CARRYING_COST	CARRYING_COST	Annual carrying cost.
POSTPROCESSING_LEAD_TIME	POSTPROCESSING_LEAD_TIME	
PREPROCESSING_LEAD_TIME	PREPROCESSING_LEAD_TIME	
FULL_LEAD_TIME	FULL_LEAD_TIME	
ORDER_COST	ORDER_COST	
MRP_SAFETY_STOCK_PERCENT	MRP_SAFETY_STOCK_PERCENT	
MRP_SAFETY_STOCK	MRP_SAFETY_STOCK_CODE	Derives the LOOKUP_CODE from MFG_LOOKUPS for LOOKUP_TYPE MTL_SAFETY_STOCK_TYPE.
MIN_MINMAX_QUANTITY	MIN_MINMAX_QUANTITY	Minimum minmax quantity.
MAX_MINMAX_QUANTITY	MAX_MINMAX_QUANTITY	Maximum minmax quantity.
MINIMUM_ORDER_QUANTITY	MINIMUM_ORDER_QUANTITY	
FIXED_ORDER_QUANTITY	FIXED_ORDER_QUANTITY	
FIXED_DAYS_SUPPLY	FIXED_DAYS_SUPPLY	
MAXIMUM_ORDER_QUANTITY	MAXIMUM_ORDER_QUANTITY	
ATP_RULE_NAME	ATP_RULE_ID	Derives RULE_ID from MTL_ATP_RULES for the RULE_NAME.
PICKING_RULE_NAME	PICKING_RULE_ID	Derives PICKING_RULE_ID from MTL_PICKING_RULES.
RESERVABLE_TYPE	RESERVABLE_TYPE	Derives the LOOKUP_CODE from MFG_LOOKUPS for LOOKUP_TYPE MTL_RESERVATION_CONTROL.
POSITIVE_MEASUREMENT_ERROR	POSITIVE_MEASUREMENT_ERROR	Percent error above measured quantity.
NEGATIVE_MEASUREMENT_ERROR	NEGATIVE_MEASUREMENT_ERROR	Percent error below measured quantity.
ENGINEERING_ECN_CODE	ENGINEERING_ECN_CODE	Engineering Change code.

Field Name	Maps to Column	Description
ENGINEERING_ITEM	ENGINEERING_ITEM_ID	Derives ITEM_ID from MTL_SYSTEM_ITEMS_B_KFV for the concatenated segment.
ENGINEERING_DATE	ENGINEERING_DATE	
SERVICE_STARTING_DATE	SERVICE_START_DATE	For inbound transactions only.
SERVICE_STARTING_DELAY	SERVICE_STARTING_DELAY	Days after shipment that service begins.
VENDOR_WARRANTY_FLAG	VENDOR_WARRANTY_FLAG	
SERVICEABLE_COMPONENT_ FLAG	SERVICEABLE_COMPONENT_ FLAG	
SERVICEABLE_PRODUCT_ FLAG	SERVICEABLE_PRODUCT_ FLAG	
BASE_WARRANTY_SERVICE_ ITEM	BASE_WARRANTY_SERVICE_ ID	Derives ITEM_ID from MTL_SYSTEM_ITEMS_B_KFV for the concatenated segment and organization.
PAYMENT_TERMS_NAME	PAYMENT_TERM_ID	Derives PAYMENT_TERM_ID from RA_TERMS_B.
PREVENTATIVE_ MAINTENANCE_FLAG	PREVENTATIVE_ MAINTENANCE_FLAG	
PRIMARY_SPECIALIST_ FULL_NAME	PRIMARY_SPECIALIST_ID	Derives PERSON_ID from PER_ALL_PEOPLE_F for the active record.
SECONDARY_SPECIALIST_ FULL_NAME	SECONDARY_SPECIALIST_ID	Derives PERSON_ID from PER_ALL_PEOPLE_F for the active record.
SERVICEABLE_ITEM_CLASS_ NAME	SERVICEABLE_ITEM_CLASS_ ID	Derives SERVICEABLE_ITEM_CLASS_ID from CS_SERVICEABLE_ITEM_ CLASSES for the Class Name.
TIME_BILLABLE_FLAG	TIME_BILLABLE_FLAG	Indicates whether service hours are billable.
MATERIAL_BILLABLE_FLAG	MATERIAL_BILLABLE_FLAG	Indicates whether service items are billable.
EXPENSE_BILLABLE_FLAG	EXPENSE_BILLABLE_FLAG	Indicates whether service expenses are billable.

Field Name	Maps to Column	Description
PRORATE_SERVICE_FLAG	PRORATE_SERVICE_FLAG	Indicates whether cost of service may be prorated.
COVERAGE_SCHEDULE_ NAME	COVERAGE_SCHEDULE_ID	Derives COVERAGE_SCHEDULE_ID from CS_COVERAGE_SCHEDULES for the Name.
SERVICE_DURATION_PERIOD_ CODE	SERVICE_DURATION_PERIOD_ CODE	
SERVICE_DURATION	SERVICE_DURATION	Default service duration.
WARRANTY_VENDOR_NAME	WARRANTY_VENDOR_ID	Derives VENDOR_ID from PO_VENDORS for the Vendor Name.
MAX_WARRANTY_AMOUNT	MAX_WARRANTY_AMOUNT	Maximum warranty amount.
RESPONSE_TIME_PERIOD_ CODE	RESPONSE_TIME_PERIOD_ CODE	
RESPONSE_TIME_VALUE	RESPONSE_TIME_VALUE	
NEW_REVISION_CODE	NEW_REVISION_CODE	Indicates how to inform customers in case of revisions.
INVOICEABLE_ITEM_FLAG	INVOICEABLE_ITEM_FLAG	Required.
INVOICE_ENABLED_FLAG	INVOICE_ENABLED_FLAG	Required.
MUST_USE_APPROVED_ VENDOR_FLAG	MUST_USE_APPROVED_ VENDOR_FLAG	Required. Indicates whether purchases are restricted to approved supplier.
OUTSIDE_OPERATION_FLAG	OUTSIDE_OPERATION_FLAG	Required.
OUTSIDE_OPERATION_UOM_ TYPE	OUTSIDE_OPERATION_UOM_ TYPE	Outside operation unit of measure.
SAFETY_STOCK_BUCKET_ DAYS	SAFETY_STOCK_BUCKET_ DAYS	
AUTO_REDUCE_MPS	AUTO_REDUCE_MPS	Automatically deletes MPS entries in a period.
COSTING_ENABLED_FLAG	COSTING_ENABLED_FLAG	Required.
CYCLE_COUNT_ENABLED_ FLAG	CYCLE_COUNT_ENABLED_ FLAG	Required. Indicates whether item may be cycle counted.
DEMAND_SOURCE_LINE	DEMAND_SOURCE_LINE	For inbound transactions only.

Field Name	Maps to Column	Description
COPY_ITEM_NUMBER	COPY_ITEM_ID	Derives ITEM_ID from MTL_SYSTEM_ITEMS_B_KFV for the concatenated segment. For inbound transactions only.
SET_ID	SET_ID	Set identifier used for ATO. For inbound transactions only.
REVISION	REVISION	Item revision.
AUTO_CREATED_CONFIG_ FLAG	AUTO_CREATED_CONFIG_ FLAG	Required. Indicates whether configuration item is automatically created.
ITEM_TYPE	ITEM_TYPE	User-defined item type. Derives LOOKUP_CODE from FND_COMMON_LOOKUPS where LOOKUP_TYPE = ITEM_TYPE for the meaning.
MODEL_CONFIG_CLAUSE_ NAME	MODEL_CONFIG_CLAUSE_ NAME	Model configuration clause name.
SHIP_MODEL_COMPLETE_ FLAG	SHIP_MODEL_COMPLETE_ FLAG	Indicates whether model must be complete to ship.
MRP_PLANNING	MRP_PLANNING_CODE	Derived from MFG_LOOKUPS where LOOKUP_TYPE = MRP_PLANNING_CODE for the meaning column.
RETURN_INSPECTION_ REQUIREMENT	RETURN_INSPECTION_ REQUIREMENT	RMA inspection requirement. Derived from MFG_LOOKUPS where LOOKUP_TYPE = MTL_RETURN_INSPECTION.
DEMAND_SOURCE_TYPE	DEMAND_SOURCE_TYPE	Derives TRANSACTION_SOURCE_ TYPE_ID from MTL_TXN_SOURCE_TYPES for TRANSACTION_SOURCE_ TYPE_NAME. For inbound transactions only.
DEMAND_SOURCE_HEADER_ ID	DEMAND_SOURCE_HEADER_ ID	
TEMPLATE_NAME	TEMPLATE_NAME	Item template name. For inbound transactions only.

Field Name	Maps to Column	Description
COPY_ORGANIZATION_ NAME	COPY_ORGANIZATION_ID	Derives ORGANIZATION_ID from ORG_ORGANIZATION_ DEFINITIONS. For inbound transactions only.
ATO_FORECAST_CONTROL	ATO_FORECAST_CONTROL	Type of forecast control for ATO. Derived from MFG_LOOKUPS where LOOKUP_TYPE = MRP_ATO_FORECAST_ CONTROL for the meaning column.
TRANSACTION_TYPE	TRANSACTION_TYPE	Either CREATE or UPDATE. Item cost cannot be updated using the UPDATE mode in this interface. For inbound transactions only.
MATERIAL_COST	MATERIAL_COST	For inbound transactions only.
MATERIAL_SUB_ELEMENT	MATERIAL_SUB_ELEMENT	For inbound transactions only.
MATERIAL_OH_RATE	MATERIAL_OH_RATE	Material overhead rate. For inbound transaction only.
MATERIAL_OH_SUB_ ELEMENT	MATERIAL_OH_SUB_ ELEMENT	Material overhead sub element. For inbound transaction only.
CONTAINER_ITEM_FLAG	CONTAINER_ITEM_FLAG	Indicates whether the item is a container. For shipping sales orders.
VEHICLE_ITEM_FLAG	VEHICLE_ITEM_FLAG	Indicates whether the item is a vehicle. For shipping sales orders.
MAXIMUM_LOAD_WEIGHT	MAXIMUM_LOAD_WEIGHT	Maximum load weight of a container or a vehicle that can be used for shipping sales orders.
MINIMUM_FILL_PERCENT	MINIMUM_FILL_PERCENT	Minimum fill condition under which the container or vehicle should be used.
CONTAINER_TYPE_CODE	CONTAINER_TYPE_CODE	User-defined container type code for container items.
INTERNAL_VOLUME	INTERNAL_VOLUME	Internal volume for container items used by shipping to calculate container capacity restrictions.

Field Name	Maps to Column	Description
CHECK_SHORTAGES_FLAG	CHECK_SHORTAGES_FLAG	Indicates whether material shortages should be checked (Y/N).
RELEASE_TIME_FENCE_CODE	RELEASE_TIME_FENCE_CODE	Indicates whether this item is auto releasable by MRP. Derives LOOKUP_CODE from MFG_LOOKUPS where LOOKUP_TYPE is MTL_RELEASE_TIME_FENCE.
RELEASE_TIME_FENCE_DAYS	RELEASE_TIME_FENCE_DAYS	Number of days that this item should be automatically released.
WH_UPDATE_DATE	WH_UPDATE_DATE	Warehouse update date for tracking changes relevant to data collected in the data warehouse.
PRODUCT_FAMILY_ITEM	PRODUCT_FAMILY_ITEM_ID	Derives ITEM_ID from MTL_SYSTEM_ITEMS_KFV for the concatenated segment.
PURCHASING_TAX_CODE	PURCHASING_TAX_CODE	
OVERCOMPLETION_ TOLERANCE_TYPE	OVERCOMPLETION_ TOLERANCE_TYPE	Derives LOOKUP_CODE from MFG_LOOKUPS, where LOOKUP_TYPE is WIP_TOLERANCE_TYPE.
OVERCOMPLETION_ TOLERANCE_VALUE	OVERCOMPLETION_ TOLERANCE_VALUE	
EFFECTIVITY_CONTROL	EFFECTIVITY_CONTROL	Derives LOOKUP_CODE from MFG_LOOKUPS, where LOOKUP_TYPE is MTL_EFFECTIVITY_CONTROL.
OVER_SHIPMENT_ TOLERANCE	OVER_SHIPMENT_ TOLERANCE	
UNDER_SHIPMENT_ TOLERANCE	UNDER_SHIPMENT_ TOLERANCE	
OVER_RETURN_TOLERANCE	OVER_RETURN_TOLERANCE	
UNDER_RETURN_ TOLERANCE	UNDER_RETURN_ TOLERANCE	
EQUIPMENT_TYPE	EQUIPMENT_TYPE	Use 1 for Yes or 2 for No.

Field Name	Maps to Column	Description
RECOVERED_PART_DISP_CODE	RECOVERED_PART_DISP_CODE	Indicates that return is required for recovered parts, scrap in field, which is used for spare Parts.
DEFECT_TRACKING_ON_FLAG	DEFECT_TRACKING_ON_FLAG	Indicates whether a defect or bug can be filed against the product.
USAGE_ITEM_FLAG	USAGE_ITEM_FLAG	
EVENT_FLAG	EVENT_FLAG	Indicates whether item is to be treated as an event.
ELECTRONIC_FLAG	ELECTRONIC_FLAG	Indicates whether an item exists only in electronic format.
DOWNLOADABLE_FLAG	DOWNLOADABLE_FLAG	
VOL_DISCOUNT_EXEMPT_FLAG	VOL_DISCOUNT_EXEMPT_FLAG	Indicates whether an item does not contribute to volume discount for any order.
COUPON_EXEMPT_FLAG	COUPON_EXEMPT_FLAG	Indicates whether an item is excluded from coupons.
COMMS_NL_TRACKABLE_FLAG	COMMS_NL_TRACKABLE_FLAG	Indicates whether network logistics can be tracked.
ASSET_CREATION_CODE	ASSET_CREATION_CODE	
COMMS_ACTIVATION_REQD_FLAG	COMMS_ACTIVATION_REQD_FLAG	Indicates whether network activation is required.
ORDERABLE_ON_WEB_FLAG	ORDERABLE_ON_WEB_FLAG	
BACK_ORDERABLE_FLAG	BACK_ORDERABLE_FLAG	If ATP failed, can item be back ordered.
WEB_STATUS	WEB_STATUS	
INDIVISIBLE_FLAG	INDIVISIBLE_FLAG	Item cannot be separated.
DIMENSION_UOM_CODE	DIMENSION_UOM_CODE	Dimension unit of measure code.
UNIT_LENGTH	UNIT_LENGTH	
UNIT_WIDTH	UNIT_WIDTH	
UNIT_HEIGHT	UNIT_HEIGHT	
BULK_PICKED_FLAG	BULK_PICKED_FLAG	
LOT_STATUS_ENABLED	LOT_STATUS_ENABLED	

Field Name	Maps to Column	Description
LOT_TRANSLATE_ENABLED	LOT_TRANSLATE_ENABLED	Indicates whether Lot Translate is enabled. (This can be enabled only if LOT_CONTROL is Full lot control.)
DEFAULT_SO_SOURCE_TYPE	DEFAULT_SO_SOURCE_TYPE	Default Sales Order source type. (External/ Internal) If an item is not purchasable, this field cannot be External. Set PURCHASING_ITEM_FLAG and PURCHASING_ENABLED_ FLAG to Y for this field to be External.
CREATE_SUPPLY_FLAG	CREATE_SUPPLY_FLAG	Create supply flag.
SUBSTITUTION_WINDOW_CODE	SUBSTITUTION_WINDOW_CODE	Substitution window code. Use: 1 for Cumulative Total Lead Time, 2 for Cumulative Mfg Lead Time, 3 for Total Lead Time, or 4 for User Defined.
SUBSTITUTION_WINDOW_DAYS	SUBSTITUTION_WINDOW_DAYS	Substitution window days.
CONFIG_MODEL_TYPE	CONFIG_MODEL_TYPE	Configurator model type. Use: N for Container, or Null for Standard. This field can be non-standard only if: BOM_ITEM_TYPE is Model and Orderable flag (CUSTOMER_ORDERED and CUSTOMER_ORDERS_ENABLED flags in Order Management Tab) is Yes, and PICK_COMPONENTS_FLAG is Yes.
LOT_SUBSTITUTION_FLAG	LOT_SUBSTITUTION_FLAG	Lot substitution flag. This field can be enabled only if LOT_CONTROL is Full lot control.
MINIMUM_LICENSE_QUANTITY	MINIMUM_LICENSE_QUANTITY	Minimum license quantity.

1.1. MTL_ITEM_CATEGORIES (Maps to MTL_ITEM_CATEGORIES_INTERFACE)

Field Name	Maps to Column	Description
CATEGORY_SET_NAME	CATEGORY_SET_NAME	
CATEGORY_NAME	CATEGORY_NAME	Required. Concatenated Category Name.
TRANSACTION_TYPE	TRANSACTION_TYPE	Use CREATE or DELETE. If you select DELETE, you must also CREATE. For inbound transactions only.

1.2. MTL_ITEM_REVISIONS (Maps to MTL_ITEM_REVISIONS_INTERFACE)

Field Name	Maps to Column	Description
REVISION	REVISION	Item revision code.
TRANSACTION_TYPE	TRANSACTION_TYPE	Must be CREATE. For inbound transactions only.
CHANGE_NOTICE	CHANGE_NOTICE	
ECN_INITIATION_DATE	ECN_INITIATION_DATE	Engineering Change Initiation Date.
IMPLEMENTATION_DATE	IJMPLEMENTATION_DATE	
IMPLEMENTED_SERIAL_ NUMBER	IMPLEMENTED_SERIAL_ NUMBER	
EFFECTIVITY_DATE	EFFECTIVITY_DATE	
REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID	Identifies multiple occurrences of the same item on an engineering change order.
DESCRIPTION	DESCRIPTION	Item revision description.

Receive Master Schedule Service

The name of this service is:

WmOAMFG1159.masterScheduling1159.intoOA.masterSchedule:receiveMasterSchedule

This service imports master schedules.

The Planning Manager scans for rows with PROCESS_STATUS = 2. These records are then validated according to the rules in the Implementation manuals. If they are successfully processed, then the PROCESS_STATUS is set to 5. If they contain a validation error, then PROCESS_STATUS is set to 4, and the ERROR_MESSAGE is populated appropriately. The records with PROCESS_STATUS = 5 will remain in the interface table for the number of days specified by the profile option MRP:Interface Table History Days.

The Master Schedule Interface Load Program performs the processing. The Planning Manager periodically checks the Master Schedule Interface tables to determine new rows for processing.

Since the Planning Manager runs in asynchronous mode, this transaction does not execute concurrent processes.

Database Scripts

This service does not use database scripts.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setMasterScheduleTxn1159.txp

- MasterScheduleTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import master schedules:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

- ■ getOrgId is a common utility and a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

- ■ getOASystemDateObject returns the Oracle Applications system date as a date object.

- ■ getOracleAppsUserId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

- ■ getInventoryItemId returns the INVENTORY_ITEM_ID corresponding to the supplied ITEM_CODE and the ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

- ■ convertToDateObject returns the outDate as a date object corresponding to the supplied inDate, which is in text format. This service is a transformer in bizDocMapping.

- ■ setMoveTransactionTxn inserts data into the interface table. It takes data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Open Move Interface.

- ■ getLineId is a transformer for mapping the data into the interface table data structure. It takes LINE_CODE as input, and queries Oracle Applications database to find the line ID.

- ■ getProjectId is a transformer for mapping the business document to the interface table data structure. It takes the project name as input, and returns the project ID by querying Oracle Applications database.

- ■ getTaskId gets the task ID from Oracle Applications database. It takes the task name and organization name as input, and finds the matching task ID.

■ **setMasterScheduleTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Master Schedule.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document masterScheduleBizDoc. Its structure is as follows:

■ MRP_SCHEDULE

MRP_SCHEDULE (Maps to MRP_SCHEDULE_INTERFACE)

Field Name	Maps to Column	Description
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Derived from ORG_ORGANIZATION_ DEFINITIONS.
INVENTORY_ITEM	INVENTORY_ITEM_ID	Required. Derived from MTL_SYSTEM_ITEMS_B_KFV.
SCHEDULE_DESIGNATOR	SCHEDULE_DESIGNATOR	Required. Master schedule identifier.
SCHEDULE_DATE	SCHEDULE_DATE	Required.
RATE_END_DATE	RATE_END_DATE	
SCHEDULE_QUANTITY	SCHEDULE_QUANTITY	Required.
SCHEDULE_COMMENTS	SCHEDULE_COMMENTS	
WORKDAY_CONTROL	WORKDAY_CONTROL	Indicates the action that the Master Schedule Interface Load takes if a schedule date is not a valid workday. Use: 1 for Reject (default), 2 for Shift forward, 3 for Shift backward. If WORKDAY_CONTROL is set to Null, the Master Schedule Interface Load program assumes the default value.

Field Name	Maps to Column	Description
TRANSACTION_ID	TRANSACTION_ID	Required for replacement items; it must match a record in MRP_SCHEDULE_DATES table.
SOURCE_CODE	SOURCE_CODE	Required. Identifies external source.
SOURCE_LINE_ID	SOURCE_LINE_ID	Required. External Source Line Identifier.
PROJECT_NAME	PROJECT_ID	Derives PROJECT_ID from PA_PROJECTS_ALL table.
TASK_NUMBER	TASK_ID	Derives Task ID from PA_TASKS table.
LINE_CODE	LINE_ID	Derives LINE_ID from WIP_LINES table.

Receive Move Transaction Service

The name of this service is:

WmOAMFG1159.workInProcess1159.intoOA.moveTransaction:receiveMoveTransaction

This service imports moved items.

The concurrent process of the Move Transaction Manager is scheduled from the Oracle Applications system. Generally, managers run continuously at regular process intervals determined at startup. They control the number of transaction workers, processing intervals, and transactions processed by the worker. The mode of operation for these managers is governed by the setting of profile options prefixed by the letters TP (transaction processing). Therefore, this inbound transaction has no custom package.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_movetrans.sql	Runs the scripts listed below, except the uninstall script.

Script	Description
wm_into_movetrans_seq.sql	Creates the following component: ■ WM_WIP_TRANS_ID_S, which creates the TRANSACTION_ID sequence
wm_drop_into_movetrans.sql	Uninstalls all components created by wm_install_into_movetrans.sql.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setMoveTransactionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import moved items:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  ■ pickSequence generates the current sequence number from the sequence WM_WIP_TRANS_ID_S.

  ■ getOASystemDateObject returns the Oracle Applications system date as a date object.

  ■ getOracleAppsUserId is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

  ■ getOrgIdAndCode returns the ORGANIZATION_ID and ORGANIZATION_CODE corresponding to the supplied ORGANIZATION_NAME. This service is a transformer in bizDicMapping.

  ■ getInventoryItemId returns the INVENTORY_ITEM_ID corresponding to the supplied ITEM_CODE and the ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

- **getAcctPeriodId** returns the ACCOUNT_PERIOD_ID corresponding to the supplied ACCOUNT_PERIOD_NAME and ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

- **getCodeCombinationId** returns the SCRAP_ACCOUNT_ID corresponding to the supplied SCRAP_ACCOUNT_NUMBER and the SET_OF_BOOKS_NAME. This service is a transformer in bizDocMapping.

- **getKanbanCardId** returns the KANBAN_CARD_ID corresponding to the supplied KANBAN_CARD_NUMBER. This service is a transformer in bizDocMapping.

- **getWIPEntityId** returns the WIP_ENTITY_ID corresponding to the supplied WIP_ENTITY_NAME and ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

- **getWIPEntityType** returns the ENTITY_TYPE corresponding to the supplied WIP_ENTITY_NAME and ORGANIZATION_NAME.

- **convertToDateObject** returns the outDate as a date object corresponding to the supplied inDate, which is in text format. This service is a transformer in bizDocMapping.

■ **setMoveTransactionTxn** inserts data into the interface table. It takes data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Open Move Interface.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document MoveTransactionBizDoc. Its structure is as follows:

■ 1.0. WIP_MOVE_TXN

- 1.1. CST_COMP_SNAP

1.0. WIP_MOVE_TXN (Maps to WIP_MOVE_TXN_INTERFACE)

Field Name	Maps to Column	Description
SOURCE_CODE	SOURCE_CODE	Code of the shop floor control system that generated the transaction record; it is null if created by Oracle Work In Process.
SOURCE_LINE_ID	SOURCE_LINE_ID	Identifier used by source shop floor control system; it is null if created by Oracle Work In Process.
TRANSACTION_TYPE	TRANSACTION_TYPE	Transaction type. Use: 1 for Move transaction, 2 for Move completed transaction, 3 for Move return transaction.
ORGANIZATION_NAME	ORGANIZATION_ID	Organization identifier.
SET_OF_BOOKS_NAME		
WIP_ENTITY_NAME	WIP_ENTITY_NAME	Required. WIP job or repetitive assembly name.
PRIMARY_ITEM_CODE	PRIMARY_ITEM_ID	Inventory item identifier for assembly that the job or schedule creates.
LINE_CODE	LINE_CODE	Required for repetitive manufacturing transactions.
TRANSACTION_DATE	TRANSACTION_DATE	Required. Date when transaction was performed.
ACCT_PERIOD_NAME	ACCT_PERIOD_ID	Accounting period identifier.
FM_OPERATION_SEQ_NUM	FM_OPERATION_SEQ_NUM	From operation sequence number. Required for Move and Move Completion transactions. It must be an enabled intra-operation step.
FM_OPERATION_CODE	FM_OPERATION_CODE	From operation code.
FM_DEPARTMENT_CODE	FM_DEPARTMENT_CODE	From department code.
FM_INTRAOPERATION_STEP_TYPE	FM_INTRAOPERATION_STEP_TYPE	From intra–operation step. Required for Move and Move Completion transactions. It must be an enabled intraoperation step.

Field Name	Maps to Column	Description
TO_OPERATION_SEQ_NUM	TO_OPERATION_SEQ_NUM	To operation sequence number. Required when performing Move and Move Return transactions. It must be an enabled intraoperation step.
TO_OPERATION_CODE	TO_OPERATION_CODE	
TO_DEPARTMENT_CODE	TO_DEPARTMENT_CODE	
TO_INTRAOPERATION_STEP_TYPE	TO_INTRAOPERATION_STEP_TYPE	To operation step type. Required when performing Move and Move Return transactions. It must be an enabled intraoperation step.
TRANSACTION_QUANTITY	TRANSACTION_QUANTITY	Required. Transaction quantity between operations.
TRANSACTION_UOM	TRANSACTION_UOM	Required. Unit of measure used in transaction.
PRIMARY_QUANTITY	PRIMARY_QUANTITY	Quantity of assembly being moved between operations expressed in the assembly's primary unit of measure.
PRIMARY_UOM	PRIMARY_UOM	Primary unit of measure for the assembly.
SCRAP_ACCOUNT_NUMBER	SCRAP_ACCOUNT_ID	General Ledger account charged when material is scrapped.
REASON_NAME	REASON_NAME	Standard transaction reason name
REFERENCE	REFERENCE	Transaction reference descriptive text.
QA_COLLECTION_ID	QA_COLLECTION_ID	Collection identifier for quality results.
KANBAN_CARD_NUMBER	KANBAN_CARD_ID	
OVERCOMPLETION_TRANSACTION_QTY	OVERCOMPLETION_TRANSACTION_QTY	Overcompletion quantity specified in the transaction unit of measure.
OVERCOMPLETION_PRIMARY_QTY	OVERCOMPLETION_PRIMARY_QTY	Overcompletion quantity derived in the primary unit of measure.

1.1. CST_COMP_SNAP (Maps to CST_COMP_SNAP_INTERFACE)

Field Name	Maps to Column	Description
OPERATION_SEQ_NUMBER	OPERATION_SEQ_NUMBER	Required. Operation sequence number.
NEW_OPERATION_FLAG	NEW_OPERATION_FLAG	Indicates whether this operation was added after the job was released.
PRIMARY_QUANTITY	PRIMARY_QUANTITY	Required. Quantity in primary unit of measure.
QUANTITY_COMPLETED	QUANTITY_COMPLETED	Required. Number of units completed by the operation.
PRIOR_COMPLETION_ QUANTITY	PRIOR_COMPLETION_ QUANTITY	Total number of units completed for the job before this transaction.
PRIOR_SCRAP_QUANTITY	PRIOR_SCRAP_QUANTITY	Total number of units scrapped for the job before this transaction.

Receive Periodic Cost Service

The name of this service is:

WmOAMFG1159.costManagement1159.intoOA.periodicCost:receivePeriodicCost

This service imports periodic costs for the first open period. Costs in subsequent periods are calculated by Oracle Applications.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_periodiccost.sql	Runs the scripts listed below, except the uninstall script.
wm_into_periodiccost_pkg.sql	Installs WM_PC_IMP_HANDLER_PKG.WM_HANDLE_ PC_IMP_TXN, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Periodic Cost Import process.

Script	Description
wm_into_periodiccost_seq.sql	Creates the following components: ■ WM_CST_PC_INTERFACE_HEADER_S, which creates the INTERFACE_HEADER_ID sequence ■ WM_CST_PC_INTERFACE_LINE_S, which creates the INTERFACE_LINE_ID sequence
wm_drop_into_periodiccost.sql	Uninstalls all components created by wm_install_into_periodiccost.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setPeriodicCostTxn1159.txp

■ PeriodicCostTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import periodic costs:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **specifyConcProgParams** specifies the default settings required for concurrent program execution. You should change these settings accordingly.

■ **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

   ■ **getInventoryItemId** is a transformer for mapping the incoming business document to the interface table structure. This service selects the inventory item ID from the organization name and item code.

   ■ **costElementLookUp** looks up transformers that transform the cost element text to the cost element flag.

   ■ **levelTypeLookUp** looks up table to transform the level Type text to its desired value.

■ setPeriodicCostTxn inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Periodic Cost.

■ importPeriodicCost imports data into the production table from the interface table. It then calls the services execPeriodicCostConcProg, checkPeriodicCostImportStatus, and importPeriodicCost_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execPeriodicCostConcProg), it checks for the record having the returned request ID in the error interface table. If one is found, it indicates an error during import. In this case, this service calls importPeriodicCostImport_ERR to retrieve the errors. If no record is found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it returns the appropriate error message and comes out of execution.

  ■ execPeriodicCostConcProg invokes the stored procedure WM_PC_IMP_HANDLER_PKG.WM_HANDLE_PERIODIC_COST. The procedure calls the corresponding concurrent subroutine to execute the data import process for Periodic Cost into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

  ■ checkPeriodicCostImportStatus checks whether the previous step resulted in any error records for the interface records processed.

  ■ getPeriodicCostImport_ERR gets the error message that occurs during the data import into the production table from the interface table. Based on the parameter request ID, it scans tables CST_PC_ITEM_COST_INTERFACE and CST_PC_COST_DET_INTERFACE to get the corresponding message matches to the request ID.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document PeriodicCostBizDoc. Its structure is as follows:

■ 1.0. CST_PC_ITEM_COST

  ■ 1.1. CST_PC_COST_DETAILS

1.0. CST_PC_ITEM_COST (Maps to CST_PC_ITEM_COST_INTERFACE)

Field Name	Maps to Column	Description
ITEM_CODE	INVENTORY_ITEM_ID	Required. Derives the Inventory Item ID using HR_ALL_ORGANIZATION_ UNITS.NAME and MTL_SYSTEM_ITEMS_B_KFV. CONCATENATED_SEGMENTS. Refer to Transformer.
ORGANIZATION_NAME		Required.
COST_GROUP	COST_GROUP	Required. Cost group name.
COST_TYPE	COST_TYPE	Required. Cost type name.
PERIOD_NAME	PERIOD_NAME	Required.
BEGIN_LAYER_QUANTITY	BEGIN_LAYER_QUANTITY	Required. Period beginning layer quantity.
ISSUE_QUANTITY	ISSUE_QUANTITY	
BUY_QUANTITY	BUY_QUANTITY	
MAKE_QUANTITY	MAKE_QUANTITY	
ITEM_COST	ITEM_COST	
MARKET_VALUE	MARKET_VALUE	Market Value. It must be less than item cost.
JUSTIFICATION	JUSTIFICATION	Required if market value is provided.
BEGIN_ITEM_COST	BEGIN_ITEM_COST	Period beginning item cost.
ITEM_BUY_COST	ITEM_BUY_COST	
ITEM_MAKE_COST	ITEM_MAKE_COST	
PL_MATERIAL	PL_MATERIAL	Previous level material cost.
PL_MATERIAL_OVERHEAD	PL_MATERIAL_OVERHEAD	Previous level material overhead cost.
PL_RESOURCE	PL_RESOURCE	Previous level resource cost.
PL_OUTSIDE_PROCESSING	PL_OUTSIDE_PROCESSING	Previous level processing cost.
PL_OVERHEAD	PL_OVERHEAD	Previous level overhead cost.
TL_MATERIAL	TL_MATERIAL	This level's material cost.

Field Name	Maps to Column	Description
TL_MATERIAL_OVERHEAD	TL_MATERIAL_OVERHEAD	This level's material overhead cost.
TL_RESOURCE	TL_RESOURCE	This level's resource cost.
TL_OUTSIDE_PROCESSING	TL_OUTSIDE_PROCESSING	This level's outside processing cost.
TL_OVERHEAD	TL_OVERHEAD	This level's overhead cost.
PL_ITEM_COST	PL_ITEM_COST	Previous level's item cost.
TL_ITEM_COST	TL_ITEM_COST	This level's item cost.
UNBURDENED_COST	UNBURDENED_COST	
BURDEN_COST	BURDEN_COST	
MATERIAL_COST	MATERIAL_COST	
MATERIAL_OVERHEAD_COST	MATERIAL_OVERHEAD_COST	
RESOURCE_COST	RESOURCE_COST	
OVERHEAD_COST	OVERHEAD_COST	
OUTSIDE_PROCESSING_COST	OUTSIDE_PROCESSING_COST	
REFERENCE	REFERENCE	

1.1. CST_PC_COST_DETAILS (Maps to CST_PC_COST_DET_INTERFACE)

Field Name	Maps to Column	Description
COST ELEMENT	COST_ELEMENT_ID	Required. Cost Element. Use: 1 for Material, 2 for Material Overhead, 3 for Resource, 4 for Outside Processing, 5 for Overhead.
LEVEL_TYPE	LEVEL_TYPE	Required. Level of the cost. Use: 1 for Current Level cost or value added at the current level of an assembly such as resource, outside processing, and overhead costs. Material is always a previous level cost. 2 for Previous Level material, material overhead, outside processing, resource, and overhead costs of the components used in manufacturing an assembly.
ITEM_COST	ITEM_COST	Required.
ITEM_BUY_COST	ITEM_BUY_COST	Item's buying cost.
ITEM_MAKE_COST	ITEM_MAKE_COST	Item's making cost.
REFERENCE	REFERENCE	

Receive Quality Collection Service

The name of this service is:

WmOAMFG1159.quality1159.intoOA.qualityCollection:receiveQualityCollection

This service adds new quality results to, or updates existing quality results in, the Oracle Applications Quality Data Repository.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_qacollection.sql	Runs the scripts listed below, except the uninstall script.
wm_into_qacollection_pkg.sql	Installs WM_QA_IMP_HANDLER_PKG.WM_HANDLE_QA, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Quality Collection Import process. The process in the QA module is Collection Import.
wm_drop_into_qacollection.sql	Uninstalls all components created by wm_install_into_qacollection.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setQualityCollectionTxn1159.txp

■ QualityCollectionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to add or update quality results:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ specifyConcProgParams specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ bizDocMapping maps the incoming business document structure to the required Oracle Applications data structures (the interface tables). In the process, it sets two flags (IS_INSERT and IS_UPDATE) to determine whether the incoming document contains Insert Transactions, Update Transactions, or both.

   ■ getOrgIdAndCode is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID and ORGANIZATION_CODE corresponding to the ORGANIZATION_NAME.

   ■ getWIPEntityId is a transformer for mapping the business document that takes the WIP_ENTITY_NAME as input, and returns WIP_ENTITY_ID.

   ■ insertTypeLookUp converts the incoming insert type to a value.

   ■ getPOAgentId is a transformer that takes FULL_NAME as input, and returns the Agent ID by querying the database.

   ■ checkInsertType checks the type of actions to import the data into the production table. There can be two modes of import: insert and update. This service checks the incoming data string for the mode, and sets the IS_INSERT or IS_UPDATE flag to Y for further use.

■ importQualityCollection imports data to the production table from the interface table. Depending on the action type (Insert or Update), it calls the service execQualityCollectionConcProg with the appropriate parameters to execute the corresponding concurrent program that inserts data into the production table, and that generates the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execQualityCollectionConcProg), it checks for records in the interface table. If records are found, it then indicates an error during import. In this case, this service calls getQualityCollectionImport_ERR to retrieve the errors. If records are not found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it comes out of execution.

Include one new parameter in ConcProgParams in Input/ Output section. Then in Branch for Insert and Update, this parameter needs to be mapped in the called service execQualityCollectionConcProg.

   ■ execQualityCollectionConcProg invokes the stored procedure WM_QA_IMP_HANDLER_PKG.WM_HANDLE_QA. The procedure calls the

corresponding concurrent subroutine to execute the data import process for Quality Collection into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for concurrent program normal completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

The transaction definition of this service needs to be imported and this service needs to be regenerated so as to include the new parameter P_GATHER_STATISTICS in the service.

■ **checkQualityCollectionImportStatus** service checks the status of the execution by checking the Interface Table for any rejected record corresponding to the current request_id. If the query does not return any rows, it indicates successful import. If the query returns rows, it indicates that the concurrent program could not import data successfully in the Oracle Applications production tables.

■ **getQualityCollectionImport_ERR** gets the error message that occurs during the data import into the production table from the interface table. Based on the parameter REQUEST_ID, it scans the tables QA_INTERFACE_ERRORS and QA_RESULTS_INTERFACE to get the corresponding message.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document QualityCollectionBizDoc. Its structure is as follows:

■ QA_COLLECTION

QA_COLLECTION (Maps to QA_RESULTS_INTERFACE)

Field Name	Maps to Column	Description
COLLECTION_ID		
SOURCE_CODE	SOURCE_CODE	Source of quality data.
SOURCE_LINE_ID	SOURCE_LINE_ID	Detailed information about quality data.
ORGANIZATION_NAME	ORGANIZATION_CODE	Required. Derives the Organization Code from ORG_ORGANIZATION_DEFINITIONS.
PLAN_NAME	PLAN_NAME	Required. Name of the collection plan as defined in Oracle Quality.
SPEC_NAME	SPEC_NAME	Quality specification name.

Field Name	Maps to Column	Description
DEPARTMENT	DEPARTMENT	Code for the Bill of Materials Department.
RESOURCE_CODE	RESOURCE_CODE	
QUANTITY	QUANTITY	
ITEM	ITEM	Item number.
UOM	UOM	Unit of measure.
REVISION	REVISION	
SUBINVENTORY	SUBINVENTORY	
LOCATOR	LOCATOR	Locator of the item.
LOT_NUMBER	LOT_NUMBER	
SERIAL_NUMBER	SERIAL_NUMBER	
COMP_ITEM	COMP_ITEM	Component item number.
COMP_UOM	COMP_UOM	Component unit of measure.
COMP_REVISION	COMP_REVISION	Component revision.
COMP_SUBINVENTORY	COMP_SUBINVENTORY	Component subinventory.
COMP_LOCATOR	COMP_LOCATOR	Component locator.
COMP_LOT_NUMBER	COMP_LOT_NUMBER	Component lot number.
COMP_SERIAL_NUMBER	COMP_SERIAL_NUMBER	Component serial number.
WIP_ENTITY_NAME	WIP_ENTITY_ID	Derived from WIP_ENTITIES table.
JOB_NAME	JOB_NAME	
PRODUCTION_LINE	PRODUCTION_LINE	
TO_OP_SEQ_NUM	TO_OP_SEQ_NUMBER	To operating sequence number.
FROM_OP_SEQ_NUM	FROM_OP_SEQ_NUMBER	From operating sequence number.
VENDOR_NAME	VENDOR_NAME	Name of the supplier.
RECEIPT_NUM	RECEIPT_NUM	Receipt number.
PO_NUMBER	PO_NUMBER	Purchase order number.
PO_LINE_NUM	PO_LINE_NUM	Purchase order line number.
PO_SHIPMENT_NUM	PO_SHIPMENT_NUM	Purchase order shipment number.
CUSTOMER_NAME	CUSTOMER_NAME	
SALES_ORDER	SALES_ORDER	Sales order number.

Field Name	Maps to Column	Description
RMA_NUMBER	RMA_NUMBER	Return Material Authorization number.
CHARACTER1 through CHARACTER100	CHARACTER1 through CHARACTER100	A collection plan defined in Oracle Applications can have one or more of these planning-specific collection elements.
TO_DEPARTMENT	TO_DEPARTMENT	To Bill of Materials department.
PO_RELEASE_NUM	PO_RELEASE_NUM	Purchase order release number.
PROJECT_NUMBER	PROJECT_NUMBER	
INSERT_TYPE	INSERT_TYPE	Use: Null to add records to repository, 1 to Insert, or 2 to Update existing records.
MATCHING_ELEMENTS	MATCHING_ELEMENTS	A comma-separated list of column names. The data in these columns are used as search keys to find matching rows in collection import updates.
PO_AGENT_FULL_NAME	PO_AGENT_ID	Derives the agent ID from PO_AGENTS table.

Receive Replenishment Service

The name of this service is:

WmOAMFG1159.inventory1159.intoOA.replenishment:receiveReplenishment

This service imports replenishment requests from external systems, such as barcode applications. These requests can be stock-take counts or requisition requests for subinventories where quantities are not tracked. It can also be used to process requisition requests generated by external applications for tracked subinventories.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_replenish.sql	Runs the scripts listed below, except the uninstall script.
wm_into_replenish_pkg.sql	Installs WM_OPEN_REPLENISH_HANDLER_PKG.WM_ HANDLE_OPEN_REPLENISH, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Replenishment Import process.
wm_drop_into_replenish.sql	Uninstalls all components created by wm_install_into_replenish.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setReplenishmentTxn1159.txp

- ReplenishmentTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import replenishment requests:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** service maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

    - **getLocationId** is a transformer that transforms the LOCATION_CODE to its ID that is required and understood by Oracle Applications database.

    - **getUOMCode** is a transformer for mapping the incoming business document to the interface table structure. This service selects the Unit Of Measure (UOM) code from the given UNIT_OF_MEASURE string.

- **setReplenishmentTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Replenishment.

- **importReplenishment** imports data to the production table from the interface table. It then calls the services execReplenishmentConcProg, checkReplenishmentImportStatus, and getReplenishmentImport_ERR to execute the corresponding concurrent program that inserts data into the production table, and to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service execReplenishmentConcProg), it checks for the record having the returned request ID in the error interface table. If a record is found, it indicates an error during import. In this case, this service calls getReplenishmentImport_ERR to retrieve the errors. If no record is found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED, it returns appropriate error message and comes out of execution.

    - **execReplenishmentConcProg** invokes the stored procedure WM_OPEN_REPLENISH_HANDLER_PKG.WM_HANDLE_OPEN_ REPLENISH, which calls the corresponding concurrent subroutine to execute the data import process for Replenishment into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

    - **mapExecStatus** captures the concurrent program execution status. If the status returned is SUCCESS, it checks whether the data has been uploaded into production database tables.

- **mapExecErrorStatus** captures the concurrent program execution error message. If the status returned is FAILED, it maps relevant messages to dbErrorMsgRecordSet and concProgMsgRecordSet, and control returns to the calling flow service (receiveReplenishment).

- **checkReplenishmentImportStatus** service checks the status of the execution by checking the Error Interface Table. If the query does not return rows, it indicates a successful import. If rows exist in the Error Interface table, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications.

- **getReplenishmentImport_ERR** gets the error message that occurs during the data import to the production table from interface table. Based on the parameter Count Name, it scans the tables MTL_REPLENISH_HEADERS_INT and MTL_REPLENISH_LINES_INT to get the corresponding message matches to the count name.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document ReplenishmentBizDoc. Its structure is as follows:

- 1.0. MTL_REPLENISH_HEADERS

    - 1.1. MTL_REPLENISH_LINES

1.0. MTL_REPLENISH_HEADERS (Maps to MTL_REPLENISH_HEADERS_INT)

Field Name	Maps to Column	Description
REPLENISHMENT_COUNT_ NAME	REPLENISHMENT_COUNT_ NAME	Required. Unique name for the replenishment count.
COUNT_DATE	COUNT_DATE	Required. Date when the count was performed.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Name of organization from which the Replenishment count originated. Use HR_ALL_ORGANIZATION_ UNITS.NAME to derive the ORGANIZATION_ID. See the commonOA1159.utils:getOrgId transformer.
SUBINVENTORY_CODE	SUBINVENTORY_CODE	Required. Code of the subinventory that is the source of the replenishment count.

Field Name	Maps to Column	Description
SUPPLY_CUTOFF_DATE	SUPPLY_CUTOFF_DATE	Date after which the planned supply will not be considered in available quantity calculations. A null value indicates that you do not want to consider planned supply when performing replenishment calculations.
DELIVER_TO_LOCATION_ ADDRESS_1 DELIVER_TO_LOCATION_ ADDRESS_2 DELIVER_TO_LOCATION_ ADDRESS_3 DELIVER_TO_LOCATION_ TOWN_OR_CITY DELIVER_TO_LOCATION_ COUNTY DELIVER_TO_LOCATION_ STATE DELIVER_TO_LOCATION_ POSTAL_CODE DELIVER_TO_LOCATION_ COUNTRY	DELIVERY_LOCATION_ID	Location to which the replenishment should be delivered. If none is specified, the default delivery location for the organization from which the replenishment originated is the system default. Use HR_LOCATIONS to get the LOCATION_ID.

1.1. MTL_REPLENISH_LINES (Maps to MTL_REPLENISH_LINES_INT)

Field Name	Maps to Column	Description
ORGANIZATION_NAME	ORGANIZATION_ID	Name of organization where the replenishment count originated. The line organization must be the same as that of the header. Use HR_ALL_ORGANIZATION_ UNITS.NAME to derive the ORGANIZATION_ID. See the commonOA1159.utils:getOrgId transformer.
ITEM_CODE	INVENTORY_ITEM_ID	Required. Item to be replenished. Derives the Inventory Item ID using MTL_SYSTEM_ITEMS_B_KFV.C ONCATENATED_SEGMENTS for the given ORGANIZATION_ID.
COUNT_TYPE_CODE	COUNT_TYPE_CODE	Required. Enter the type of the replenishment count entry. Use: 1 for On-hand quantity, 2 for Order quantity, or 3 for Order maximum.
COUNT_QUANTITY	COUNT_QUANTITY	Required. The count quantity for the count type entered for the line. This column is not used when the count type is Order Maximum or Other Count Types.
REFERENCE	REFERENCE	Replenishment count reference information.
COUNT_UNIT_OF_MEASURE	COUNT_UOM_CODE	Required. Unit of measure code used for the count. This column is meaningful only when a value is entered in the COUNT_QUANTITY columns. Use MTL_UNITS_OF_MEASURE_ TL.UNIT_OF_MEASURE to get the UOM_CODE in the user's LANGUAGE.

Field Name	Maps to Column	Description
PROJECT	TASK_ID	Use PA_TASKS.TASK_NAME and PA_PROJECTS_ALL.NAME to get the TASK_ID.
TASK		

Receive Resource Transaction Service

The name of this service is:

WmOAMFG1159.workInProcess1159.intoOA.resourceTransaction:receiveResourceTransaction

This service imports work-in-process (WIP) resource transactions. The Open Resource Transaction Interface program validates the data you load in the Open Resource Transaction Interface tables by ensuring that the columns in the interface tables reference the appropriate values and columns in the rest of the system.

The Cost Manager handles the import process. Interface managers run continuously at regular intervals. They control the number of transaction workers, processing intervals, and number of transactions processed by the worker. The mode of operation for these managers is governed by the setting of profile options prefixed by the letters TP (transaction processing). The Cost Manager is also responsible for costing for other transactions, such as material transactions. Thus, no concurrent process is defined in this service.

Database Scripts

This service does not use database scripts.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setResourceTransactionTxn1159.txp

■ ResourceTransactionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import resource transactions:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  - **getOrgIdAndCode** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as input, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID and the ORGANIZATION_CODE.

  - **getOASystemDateObject** returns the Oracle Applications system date as a date object.

  - **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

  - **getAcctPeriodId** is a transformer for mapping the incoming business document to the interface table data structure for Open resource interface. This service takes Period Name as input, and returns Period ID as output, querying the Oracle Applications database.

  - **getActivityId** is a transformer for mapping the incoming business document to the interface table data structure for Open resource interface. This service takes Activity Name as input, and returns Activity ID as output, querying the Oracle Applications database.

  - **getDepartmentId** is a transformer for mapping the incoming business document to the interface table data structure for Open resource interface. This service takes Department Code and Organization Name as input, and returns Department ID as output, querying the Oracle Applications database.

  - **getPOHeaderId** is a transformer for mapping the incoming business document to the interface table data structure for Open resource interface. This service takes Purchase Order header number as an input and results PO header ID as output querying the Oracle Applications database.

  - **getPOLineId** is a transformer for mapping the incoming business document to the interface table data structure for the Open Resource interface. This service takes PO Header Number and Line Number as input, and returns the corresponding PO Line ID as output, querying the Oracle Applications database.

■ **getTaskId** is a transformer for mapping the incoming business document to the interface table data structure for Open resource interface. This service takes Task and Project Name as input, and returns Task ID as output, querying the Oracle Applications database.

■ **getProjectId** is a transformer for mapping the incoming business document to the interface table data structure for the Open Resource interface. This service takes Project Name as input, and returns Project ID as output, querying the Oracle Applications database.

■ **setResourceTransactionTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for the Open Resource interface.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document ResourceTransactionBizDoc. Its structure is as follows:

■ WIP_COST_TXN

WIP_COST_TXN (Maps to WIP_COST_TXN_INTERFACE)

Field Name	Maps to Column	Description
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Use: 1 for Normal resource transactions 2 for Overhead transactions, or 3 for Outside processing transactions.
SOURCE_CODE	SOURCE_CODE	Code of the shop floor control system that generated the transaction record.
ORGANIZATION_NAME	ORGANIZATION_CODE ORGANIZATION_ID	Required.
SET_OF_BOOKS_NAME		
WIP_ENTITY_NAME	WIP_ENTITY_NAME	Required. WIP job or repetitive assembly name.
LINE_CODE	LINE_CODE	Line name.

Field Name	Maps to Column	Description
PRIMARY_ITEM_CODE	PRIMARY_ITEM_ID	Inventory item identifier of assembly that job or schedule creates.
TRANSACTION_DATE	TRANSACTION_DATE	Required. Date transaction was performed. Time component of this date should also be entered in the datetime format for TRANSACTION_DATE, which is set to dd-MMM-yy HH:mm:ss.
ACCT_PERIOD_NAME	ACCT_PERIOD_ID	Accounting period identifier.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUM	Required. Operation sequence number within a routing.
RESOURCE_SEQ_NUM	RESOURCE_SEQ_NUM	Required. Resource sequence number.
DEPARTMENT_CODE	DEPARTMENT_ID	Code that uniquely identifies the department.
EMPLOYEE_NUM	EMPLOYEE_NUM	Employee number.
RESOURCE_CODE	RESOURCE_CODE	
RESOURCE_TYPE	RESOURCE_TYPE	
USAGE_RATE_OR_AMOUNT	USAGE_RATE_OR_AMOUNT	Rate per assembly, amount per job, or amount per schedule.
BASIS_TYPE	BASIS_TYPE	Basis for charging resource.
AUTOCHARGE_TYPE	AUTOCHARGE_TYPE	Method of charging the resource.
STANDARD_RATE_FLAG	STANDARD_RATE_FLAG	Indicates whether the resource is charged at the standard rate.
TRANSACTION_QUANTITY	TRANSACTION_QUANTITY	Required.
TRANSACTION_UOM	TRANSACTION_UOM	Required. Unit of measure for the transaction.
PRIMARY_QUANTITY	PRIMARY_QUANTITY	Quantity of transaction expressed in assembly's primary unit of measure.
PRIMARY_UOM	PRIMARY_UOM	Primary unit of measure for the resource.
PRIMARY_UOM_CLASS	PRIMARY_UOM_CLASS	Class to which the primary unit of measure belongs.
ACTUAL_RESOURCE_RATE	ACTUAL_RESOURCE_RATE	Actual rate of the resource.

Field Name	Maps to Column	Description
CURRENCY_CODE	CURRENCY_CODE	
CURRENCY_CONVERSION_ DATE	CURRENCY_CONVERSION_ DATE	
CURRENCY_CONVERSION_ RATE	CURRENCY_CONVERSION_ RATE	
CURRENCY_ACTUAL_ RESOURCE_RATE	CURRENCY_ACTUAL_ RESOURCE_RATE	Actual resource rate in foreign currency, used when the STANDARD_RATE_FLAG is Y.
ACTIVITY_NAME	ACTIVITY_NAME	
REASON_NAME	REASON_NAME	Standard transaction reason name.
REFERENCE	REFERENCE	
MOVE_TRANSACTION_ID	MOVE_TRANSACTION_ID	Transaction identifier for the move that created the costing transaction.
RCV_TRANSACTION_ID	RCV_TRANSACTION_ID	Transaction identifier for the receipt that created the costing transaction.
PO_HEADER_NUM	PO_HEADER_ID	Purchase order identifier for the receipt.
PO_LINE_NUM	PO_LINE_ID	Purchase order line identifier for the receipt.
RECEIVING_ACCOUNT_ NUMBER	RECEIVING_ACCOUNT_ID	
PROJECT	PROJECT_ID	
TASK	TASK_ID	

Receive Work Order Service

The name of this service is:

WmOAMFG1159.workInProcess1159.intoOA.workOrder:receiveWorkOrder

This service imports planned orders, planned order update recommendations, and suggested repetitive schedules all at once, from any source including planning systems, order entry systems, finite scheduling packages, production line sequencing programs, spreadsheets, and even custom entry forms.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_workorder.sql	Runs the scripts listed below, except the uninstall script.
wm_into_workorder_pkg.sql	Installs WM_WIP_IMP_HANDLER_PKG.WM_HANDLE_WIP_JOB, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Work Order Import process.
wm_into_workorder_seq.sql	Creates the following components: ■ WM_WIP_GROUP_ID_S, which creates the GROUP_ID sequence ■ WM_WIP_HEADER_ID_S, which creates the HEADER_ID sequence
wm_drop_into_workorder.sql	Uninstalls all components created by wm_install_into_workorder.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setWorkOrderTxn1159.txp

■ WorkOrderTransaction1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import work orders:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **pickSequence** generates a sequence value for group ID.

- **bizDocMapping** service maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

  - **getInventoryItemId** returns the INVENTORY_ITEM_ID corresponding to the supplied ITEM_CODE and the ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

  - **getKanbanCardId** returns the KANBAN_CARD_ID corresponding to the supplied KANBAN_CARD_NUMBER. This service is a transformer in bizDocMapping.

  - **convertToDateObject** returns the outDate as a date object corresponding to the supplied inDate, which is in text format. This service is a transformer in bizDocMapping.

  - **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as input, and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID.

  - **getOASystemDateObject** returns the Oracle Applications system date as a date object.

  - **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

  - **getActivityId** gets the Activity ID from CST_ACTIVITIES, given the Activity Name.

  - **getDepartmentId** gets Department ID from BOM_DEPARTMENTS, given the Department Code.

  - **getStandardOperationId** gets the Standard Operation ID, given the Standard Operation Code.

  - **getLocatorId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes LOCATOR and ORGANIZATION_NAME as input, and queries the view MTL_ITEM_LOCATIONS_KFV and the table

> ORG_ORGANIZATION_DEFINITIONS to get the INVENTORY_LOCATION_ID corresponding to the LOCATOR and ORGANIZATION_NAME.

- **getProjectId** is a transformer for mapping the bizdoc to the interface table data structure. It takes the project name as input, and queries the Oracle Applications database to get the Project ID.

- **getResourceId** queries BOM_RESOURCES table to get the RESOURCE_ID for the corresponding input value.

- **getWIPEntityId** takes WIP_ENTITY_NAME and ORGANIZATION_NAME as the input parameters, and queries the WIP_ENTITIES table to get the WIP_ENTITY_ID corresponding to the input parameters.

- **pickSequence** generates the group ID using the custom sequence WM_WIP_GROUP_ID_S.

- **setWorkOrderTxn** inserts data into the interface table. It extracts data from the IData structure that results from the bizDocMapping service, and puts the data into the interface table in Oracle Applications for WorkOrder.

- **importWorkOrder** imports data to the production table from the interface table. It calls the services execWorkOrderConcProg and getWorkOrderImport_ERR to execute the corresponding concurrent program that inserts data into the production table and that generates the error/ acknowledgement message. If the status of the execution is SUCCESS (returned by the service execWorkOrderConcProg), getWorkOrderImport_ERR is called to retrieve the errors. If no record is found, it comes out of the flow, indicating success of the data import process. If the status of the execution is FAILED it comes out of execution, giving the errors.

  - **execWorkOrderConcProg** invokes the stored procedure Wm_Wip_Imp_Handler_Pkg.WM_HANDLE_WIP_JOB. The procedure calls the corresponding concurrent subroutine to execute the data import process for WorkOrder into Oracle Applications. This service returns Status ID, Request ID, Execution Status Message (for normal concurrent program completion), and database Stored Procedure error message (if an exception occurs in Stored Procedure execution).

  - **getWorkOrderImport_ERR** gets the error message that occurs during the data import to the production table from the interface table. Based on the parameter GROUP_ID, it scans the WIP_JOB_SCHEDULE_INTERFACE and WIP_INTERFACE_ERRORS tables, and returns PRIMARY_ITEM_ID, HEADER_ID and ERROR.

  - **checkWorkOrderImportStatus** finds the number of errors in the error table corresponding to the GROUP_ID.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document WorkOrderBizDoc. Its structure is as follows:

- 1.0. WORK_ORDER_HEADER
  - 1.1. WORK_ORDER_LINES

1.0. WORK_ORDER_HEADER (Maps to WIP_JOB_SCHEDULE_INTERFACE)

Field Name	Maps to Column	Description
ALLOW_EXPLOSION	ALLOW_EXPLOSION	Determines whether you can run the exploder, which creates child records in addition to the job header record.
ALTERNATE_BOM_DESIGNATOR	ALTERNATE_BOM_DESIGNATOR	Alternate Bill of Materials used in job or schedule.
ALTERNATE_ROUTING_DESIGNATOR	ALTERNATE_ROUTING_DESIGNATOR	Alternate routing used in a job or repetitive schedule.
BOM_REFERENCE_ITEM	BOM_REFERENCE_ID	Assembly identifier used as a routing reference for scheduling of nonstandard job.
BOM_REVISION	BOM_REVISION	Revision to the Bill of Materials.
BOM_REVISION_DATE	BOM_REVISION_DATE	Date of inventory item revision that explodes the Bills of Material used in the job or schedule.
CLASS_CODE	CLASS_CODE	Required only for Loading Non-Standard Discrete Job. Accounting class associated with job or repetitive assembly.
COMPLETION_LOCATOR_SEGMENTS	COMPLETION_LOCATOR_SEGMENTS	
COMPLETION_SUBINVENTORY	COMPLETION_SUBINVENTORY	
DAILY_PRODUCTION_RATE	DAILY_PRODUCTION_RATE	Required only for Repetitive Schedule. Schedule daily quantity.
DEMAND_CLASS	DEMAND_CLASS	Type of demand the job or schedule satisfies.
DESCRIPTION	DESCRIPTION	
DUE_DATE	DUE_DATE	Due date of the job being created.

Field Name	Maps to Column	Description
FIRM_PLANNED_FLAG	FIRM_PLANNED_FLAG	Control for MRP rescheduling.
FIRST_UNIT_START_DATE	FIRST_UNIT_START_DATE	Not required for updating Discrete Job or Schedule. Date job or schedule should start.
FIRST_UNIT_COMPLETION_ DATE	FIRST_UNIT_COMPLETION_ DATE	Not required for updating Discrete Job or Schedule. Date job or schedule should complete the first unit.
JOB_NAME	JOB_NAME	WIP job name.
KANBAN_CARD_NUMBER	KANBAN_CARD_ID	Production kanban replenished by the WIP entity being created.
LAST_UNIT_COMPLETION_ DATE	LAST_UNIT_COMPLETION_ DATE	Not required only in case of updating discrete jobs. Date job or schedule should end.
LAST_UNIT_START_DATE	LAST_UNIT_START_DATE	Not required only in case of updating discrete jobs. Date job or schedule should begin processing the last unit.
LINE_CODE	LINE_CODE	Required for loading repetitive schedule.
LOAD_TYPE	LOAD_TYPE	Required. Type of interface record. Use: 1 for Create standard discrete job, 2 for Create pending repetitive schedule, 3 for Update standard or non-standard discrete job, or 4 for Create non-standard discrete job.
LOT_NUMBER	LOT_NUMBER	
NET_QUANTITY	NET_QUANTITY	Job net quantity.
ORGANIZATION_NAME	ORGANIZATION_ID	Required. Organization name.
OVERCOMPLETION_ TOLERANCE_TYPE	OVERCOMPLETION_ TOLERANCE_TYPE	Unit of OVERCOMPLETION_ TOLERANCE_VALUE (percent or amount).
OVERCOMPLETION_ TOLERANCE_VALUE	OVERCOMPLETION_ TOLERANCE_VALUE	Percent or amount above expected quantity that this entity is allowed to complete.

Field Name	Maps to Column	Description
PRIMARY_ITEM_CODE	PRIMARY_ITEM_ID	Required for loading standard discrete jobs and repetitive schedule. Inventory item identifier for the assembly that the job or repetitive schedule creates.
PRIORITY	PRIORITY	Priority to assign to the job being created.
PROCESS_TYPE	PROCESS_TYPE	
PROCESSING_WORK_DAYS	PROCESSING_WORK_DAYS	Required only for loading repetitive schedule. Processing days of repetitive schedule.
PROJECT_NAME	PROJECT_ID	Project reference for the discrete job. Get PROJECT_ID from PA_PROJECTS_ALL.
REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID	WIP repetitive schedule identifier.
ROUTING_REFERENCE_ NUMBER	ROUTING_REFERENCE_ID	Assembly identifier used as routing reference for scheduling of nonstandard job.
ROUTING_REVISION	ROUTING_REVISION	Revision to the assembly routing.
ROUTING_REVISION_DATE	ROUTING_REVISION_DATE	
SCHEDULE_GROUP_NAME	SCHEDULE_GROUP_NAME	
SCHEDULING_METHOD	SCHEDULING_METHOD	
SOURCE_CODE	SOURCE_CODE	Code of the process that generated the interface record.
SOURCE_LINE_ID	SOURCE_LINE_ID	Identifier used by source shop floor control system. Null if created by Oracle Work In Process.
START_QUANTITY	START_QUANTITY	Job start quantity.
STATUS_TYPE	STATUS_TYPE	Status of the job or repetitive schedule to be loaded.
TASK_NUMBER	TASK_NUMBER	

Field Name	Maps to Column	Description
WIP_ENTITY_NAME	WIP_ENTITY_ID	Required only for updating discrete jobs. WIP job or repetitive assembly name.
WIP_SUPPLY_TYPE	WIP_SUPPLY_TYPE	Method of material consumption within WIP.

1.1. WORK_ORDER_LINES (Maps to WIP_JOB_DTLS_INTERFACE)

Field Name	Maps to Column	Description
ACTIVITY_NAME	ACTIVITY_ID	WIP job or repetitive assembly identifier.
APPLIED_RESOURCE_UNITS	APPLIED_RESOURCE_UNITS	Amount of resource units charged.
APPLIED_RESOURCE_VALUE	APPLIED_RESOURCE_VALUE	Value of resource units charged.
ASSIGNED_UNITS	ASSIGNED_UNITS	Required only for adding resource. Number of resources assigned to work.
AUTOCHARGE_TYPE	AUTOCHARGE_TYPE	Required only for adding resource. Method of charging the resource.
BACKFLUSH_FLAG	BACKFLUSH_FLAG	Required only for adding operations. Back flush control code.
BASIS_TYPE	BASIS_TYPE	Required only for adding resource. Basis for scheduling and charging resource.
COMPLETION_DATE	COMPLETION_DATE	Required only for adding resource. Scheduled completion date of the resource.
COUNT_POINT_TYPE	COUNT_POINT_TYPE	Required only for adding operations.
DATE_REQUIRED	DATE_REQUIRED	Operation requirement start date.
DEPARTMENT_CODE	DEPARTMENT_ID	Required only for adding operations.
DESCRIPTION	DESCRIPTION	

Field Name	Maps to Column	Description
FIRST_UNIT_COMPLETION_ DATE	FIRST_UNIT_COMPLETION_ DATE	Required only for adding operations. First unit scheduled completion date.
FIRST_UNIT_START_DATE	FIRST_UNIT_START_DATE	Required only for adding operations. First unit scheduled receipt date.
INVENTORY_ITEM_CODE_ NEW	INVENTORY_ITEM_ID_NEW	Required only for adding components. New material requirement identifier.
INVENTORY_ITEM_CODE_ OLD	INVENTORY_ITEM_ID_OLD	Required only for changing components. Old material requirement identifier.
LAST_UNIT_COMPLETION_ DATE	LAST_UNIT_COMPLETION_ DATE	Required only for adding operations. Last unit scheduled completion date.
LAST_UNIT_START_DATE	LAST_UNIT_START_DATE	Required only for adding operations. Last unit scheduled receipt date.
LOAD_TYPE	LOAD_TYPE	Required. Material or resource Requirement. Use: 1 for Loading a resource, 2 for Loading a component, 3 for Loading an operation, or 4 for Loading multiple resource usage.
MINIMUM_TRANSFER_ QUANTITY	MINIMUM_TRANSFER_ QUANTITY	Required only for adding operations. Minimum operation transfers quantity.
MPS_DATE_REQUIRED	MPS_DATE_REQUIRED	Date used by MPS relief process.
MPS_REQUIRED_QUANTITY	MPS_REQUIRED_QUANTITY	Quantity used by MPS relief process.
MRP_NET_FLAG	MRP_NET_FLAG	Required only for adding components. Indicates whether or not MRP should consider the component requirement in its netting process.
OPERATION_SEQ_NUM	OPERATION_SEQ_NUM	Required. Operation sequence number within a routing.
ORGANIZATION_NAME	ORGANIZATION_ID	

Field Name	Maps to Column	Description
QUANTITY_ISSUED	QUANTITY_ISSUED	Part quantity issued. Required only for adding components.
QUANTITY_PER_ASSEMBLY	QUANTITY_PER_ASSEMBLY	Part usage quantity. Required only for adding components.
REQUIRED_QUANTITY	REQUIRED_QUANTITY	Part quantity required. Required only for adding components.
RESOURCE_CODE_NEW	RESOURCE_ID_NEW	Resource identifier to be added or changed. Required only for adding resource.
RESOURCE_CODE_OLD	RESOURCE_ID_OLD	Resource identifier existing in current jobs or schedules. Required only for changing resource.
RESOURCE_SEQ_NUM	RESOURCE_SEQ_NUM	Resource sequence number. Required only for adding or changing resource.
SCHEDULED_FLAG	SCHEDULED_FLAG	Method of scheduling the resource. Required only for adding resource.
STANDARD_RATE_FLAG	STANDARD_RATE_FLAG	Indicates whether the resource is charged at the standard rate.
STANDARD_OPERATION_ CODE	STANDARD_OPERATION_ID	Standard Operation Identifier.
START_DATE	START_DATE	Scheduled start date of the resource. Required only for adding resource.
SUBSTITUTION_TYPE	SUBSTITUTION_TYPE	Substitution Type. Use: 1 for Delete, 2 for Add, or 3 for Change.
SUPPLY_LOCATOR_ DESCRIPTION	SUPPLY_LOCATOR_ID	Locator used to supply component to WIP.
SUPPLY_SUBINVENTORY	SUPPLY_SUBINVENTORY	Subinventory used to supply component to WIP.
USAGE_RATE_OR_AMOUNT	USAGE_RATE_OR_AMOUNT	Rate per assembly or amount per job or schedule. Required only for adding resource.

Field Name	Maps to Column	Description
UOM_CODE	UOM_CODE	Code for unit of measure. Required only for adding resource.
WIP_SUPPLY_TYPE	WIP_SUPPLY_TYPE	Method of material consumption within WIP.

Send Engineering BOM Service

The name of this service is:

WmOAMFG1159.engineering1159.fromOA.engineeringBOM:sendEngineeringBOM

This service sends to the webMethods Integration Server information about the parent, component, and substitutes Engineering Bills of Material items as well as revisions.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_engbom.sql	Runs the scripts listed below, except the uninstall script.
wm_from_engbom_vw.sql	Creates the following required view components for Engineering Bills of Material outbound transactions: ■ WM_ENG_BOM_BILL_OF_MTLS_VW ■ WM_ENG_BOM_ITEM_REVISIONS_VW ■ WM_ENG_BOM_INVENTORY_COMPS_VW ■ WM_ENG_BOM_SUBSTITUTE_COMPS_VW ■ WM_ENG_BOM_REFERENCE_DESGS_VW ■ WM_ENG_BOM_BILL_OF_MTLS_QRY_VW

Script	Description
wm_from_engbom_trg.sql	Create the following trigger components to be used for writing to the WM_TRACKCHANGES table to indicate a new or updated document: ■ WM_ENG_BOM_BILL_OF_MTL_IUD_TRG ■ WM_ENG_MTL_ITEM_REV_IUD_TRG ■ WM_ENG_BOM_INV_COMPS_IUD_TRG ■ WM_ENG_BOM_SUB_COMPS_IUD_TRG ■ WM_ENG_BOM_REF_DESGS_IUD_TRG
wm_disable_from_engbom.sql	Disables the triggers installed by wm_from_engbom_trg.sql.
wm_enable_from_engbom.sql	Re-enables the triggers installed by wm_from_engbom_trg.sql.
wm_drop_from_engbom.sql	Uninstalls all components created by wm_install_from_engbom.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getEngineeringBOMTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow sendEngineeringBOM executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ lockTxnCtrl determines whether the sendEngineeringBOM service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

　　■ If lockTxnCtrl service returns False, it means that another instance of this service is already in process. The service exits and waits for next scheduled execution.

- If **lockTxnCtrl** service returns True, it means that the service is ready to execute, the Engineering BOM row in the control table is locked and updated, and the status is changed to INPROCESS. This prevents any other Engineering BOM service from executing.

- **getEngineeringBOMTxn** queries the Oracle Applications database for any Engineering BOM Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

- **processBizDoc** is the customizable step that sends the business document to a trading partner. You must customize this step to receive a Success or an Error status of the document transfer. If an error occurs in a particular business document transfer, then the error information is sent back to the calling service (sendEngineeringBOM). The error information passed back should have the document identifiers. If a particular document is transferred successfully to the trading partner, no information needs to be sent back to the calling program (sendEngineeringBOM).

- Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

  - If the Debug Mode is TRUE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are updated, and the PROCESSED_FLAG is set to Y. This ensures that the same set of records is not picked up during next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y so that same information is not picked up again during next polling instance.

  - If the Debug Mode is FALSE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are deleted; **purgeTrackChanges** purges the records from the WM_TRACKCHANGES table.

- If an error occurs when transferring the business document, the **insertTransferERRInfo** service inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

- Any document that is created and deleted in between two successive polling operations will not be delivered. Such records are not selected by **getEngineeringBOMTxn** service; thus they are not updated as processed or purged in the WM_TRACKCHANGES table.

  - If the Debug Mode is TRUE, then **updateUnqualifiedRec** service recognizes such records and updates the corresponding PROCESSED_FLAG to Y.

  - If the Debug Mode is FALSE, then **purgeUnqualifiedRec** service recognizes such records and deletes them from the WM_TRACKCHANGES table.

■ **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendEngineeringBOM service can begin.

■ If the document transfer is successful, the flow exits.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This service uses the following business document structure:

■ 1.0. BOM_ENG_BILL_OF_MTLS

  ■ 1.1. MTL_ITEM_REVISIONS

  ■ 1.2. BOM_ENG_INVENTORY_COMPS

    ■ 1.2.1. BOM_ENG_SUB_COMPS

    ■ 1.2.2. BOM_ENG_REF_DESGS

1.0. BOM_ENG_BILL_OF_MTLS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			ENGBOM will be populated in this field.
DOCUMENT_STATUS			UPDATE or INSERT will be populated in this field.
BILL_SEQUENCE_ID	BOM_BILL_OF_ MATERIALS	BILL_ SEQUENCE_ID	Unique identifier for bill.
ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Segmented item number.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
COMMON_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated segments for the common bill item.
COMMON_ORG_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	Organization name for the common bill.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Bill of Materials designator code.
SPECIFIC_ASSEMBLY_ COMMENT	BOM_BILL_OF_ MATERIALS	SPECIFIC_ ASSEMBLY_ COMMENT	Specific Bill of Materials comment.
PENDING_FROM_ECN	BOM_BILL_OF_ MATERIALS	PENDING_ FROM_ECN	Engineering change notice that created this Bill of Materials.
ASSEMBLY_TYPE	BOM_BILL_OF_ MATERIALS	ASSEMBLY_ TYPE	
DEMAND_SOURCE_LINE			Not used for Bills of Material outbound transactions.
SET_ID			Not used for Bills of Material outbound transactions.
DEMAND_SOURCE_TYPE			Not used for Bills of Material outbound transactions.
DEMAND_SOURCE_HEADER_ ID			Not used for Bills of Material outbound transactions.
NEXT_EXPLODE_DATE	BOM_BILL_OF_ MATERIALS	NEXT_ EXPLODE_ DATE	Next date when pre-explosion will be refreshed.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
UOM	MTL_UNITS_ OF_MEASURE_ TL	UNIT_OF_ MEASURE	Units of measure.
REVISION			Not used for Bills of Material outbound transactions.
IMPLEMENTATION_DATE	BOM_BILL_OF_ MATERIALS	IMPLEMENTATI ON_DATE	Implementation date.

1.1. MTL_ITEM_REVISIONS

Document Field	Oracle Applications Table/View Name	Column Name	Description
BILL_SEQUENCE_ID	BOM_INVENTORY_COMPONENTS	BILL_SEQUENCE_ID	Unique bill identifier.
ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Segmented item number.
ORGANIZATION_NAME	HR_ALL_ORGANIZATION_UNITS	NAME	
REVISION	MTL_ITEM_REVISIONS	REVISION	Item revision code.
CHANGE_NOTICE	MTL_ITEM_REVISIONS	CHANGE_NOTICE	Engineering change order number.
ECN_INITIATION_DATE	MTL_ITEM_REVISIONS	ECN_INITIATION_DATE	Engineering change order initiation date.
IMPLEMENTATION_DATE	MTL_ITEM_REVISIONS	IMPLEMENTATION_DATE	Engineering change order implementation date.
EFFECTIVITY_DATE	MTL_ITEM_REVISIONS	EFFECTIVITY_DATE	Revision effective date.
REVISED_ITEM_SEQUENCE_ID	MTL_ITEM_REVISIONS	REVISED_ITEM_SEQUENCE_ID	Revised item sequence ID.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
REVISION_LABEL	MTL_ITEM_REVISION	REVISION_LABEL	Revision label. (This field is in the table but not shown in the webMethods Developer; it is for future use.)
REVISION_REASON	MTL_ITEM_REVISION	REVISION_REASON	Revision reason. (This field is in the table but not shown in the webMethods Developer; it is for future use.)

1.2. BOM_ENG_INVENTORY_COMPS

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPONENT_SEQUENCE_ID	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ SEQUENCE_ID	Unique component identifier.
BILL_SEQUENCE_ID	BOM_ INVENTORY_ COMPONENTS	BILL_ SEQUENCE_ID	Unique bill identifier.
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Inventory item number of the assembly.
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Bill of Materials designator code.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	
OPERATION_SEQ_NUM	BOM_ INVENTORY_ COMPONENTS	OPERATION_ SEQ_NUM	Operation sequence number.
EFFECTIVITY_DATE	BOM_ INVENTORY_ COMPONENTS	EFFECTIVITY_ DATE	Effective date.
LOCATION_NAME	MTL_ITEM_ LOCATIONS	DESCRIPTION	Supply locator name.
SUBSTITUTE_COMPONENT_ NUMBER			Not used for Bills of Material outbound transactions.
ITEM_NUM	BOM_ INVENTORY_ COMPONENTS	ITEM_NUM	Item sequence in Bill of Materials structure.
COMPONENT_QUANTITY	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ QUANTITY	Quantity of component in Bill of Materials.
COMPONENT_YIELD_FACTOR	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ YIELD_FACTOR	Multiply this factor with component quantity to find required component quantity.

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPONENT_REMARKS	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ REMARKS	Component remarks.
CHANGE_NOTICE	BOM_ INVENTORY_ COMPONENTS	CHANGE_ NOTICE	Engineering change order number.
IMPLEMENTATION_DATE	BOM_ INVENTORY_ COMPONENTS	IMPLEMENTATI ON_DATE	Date the engineering change order was implemented.
DISABLE_DATE	BOM_ INVENTORY_ COMPONENTS	DISABLE_DATE	Disable date.
PLANNING_FACTOR	BOM_ INVENTORY_ COMPONENTS	PLANNING_ FACTOR	Multiply this factor with component quantity to find required planning quantity.
QUANTITY_RELATED	BOM_ INVENTORY_ COMPONENTS	QUANTITY_ RELATED	Indicates whether this component has quantity-related reference designators.
SO_BASIS	BOM_ INVENTORY_ COMPONENTS	SO_BASIS	Oracle Order Management uses this quantity basis to determine how many units of the component to put on an order.
OPTIONAL	BOM_ INVENTORY_ COMPONENTS	OPTIONAL	Indicates if component is optional on a bill.
MUTUALLY_EXCLUSIVE_ OPTIONS	BOM_ INVENTORY_ COMPONENTS	MUTUALLY_ EXCLUSIVE_ OPTIONS	Indicates if one or more children of component can be picked when taking an order.
INCLUDE_IN_COST_ROLLUP	BOM_ INVENTORY_ COMPONENTS	INCLUDE_IN_ COST_ROLLUP	Indicates whether to use this component when rolling up costs.
CHECK_ATP	BOM_ INVENTORY_ COMPONENTS	CHECK_ATP	Indicates whether ATP check is required.
SHIPPING_ALLOWED	BOM_ INVENTORY_ COMPONENTS	SHIPPING_ ALLOWED	Indicates whether component is allowed to ship.

Document Field	Oracle Applications Table/View Name	Column Name	Description
REQUIRED_TO_SHIP	BOM_ INVENTORY_ COMPONENTS	REQUIRED_TO_ SHIP	Indicates whether component is required to ship.
REQUIRED_FOR_REVENUE	BOM_ INVENTORY_ COMPONENTS	REQUIRED_ FOR_REVENUE	Indicates whether component is required for revenue.
INCLUDE_ON_SHIP_DOCS	BOM_ INVENTORY_ COMPONENTS	INCLUDE_ON_ SHIP_DOCS	Indicates whether component is displayed on shipping documents.
LOW_QUANTITY	BOM_ INVENTORY_ COMPONENTS	LOW_ QUANTITY	Minimum quantity allowed on an order.
HIGH_QUANTITY	BOM_ INVENTORY_ COMPONENTS	HIGH_ QUANTITY	Maximum quantity allowed on an order.
ACD_TYPE	BOM_ INVENTORY_ COMPONENTS	ACD_TYPE	Add, change, or disable the code for a component on an engineering change order.
REVISED_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	
REVISION	MTL_ITEM_ REVISIONS	REVISION	
OLD_OPERATION_SEQ_NUM	BOM_ INVENTORY_ COMPONENTS	OPERATION_ SEQ_NUM	Operation sequence number in the original component record that an engineering change order affects.
OLD_EFFECTIVITY_DATE	BOM_ INVENTORY_ COMPONENTS	EFFECTIVITY_ DATE	Value of effective date in the original component record that an engineering change order affects.
WIP_SUPPLY_TYPE	BOM_ INVENTORY_ COMPONENTS	WIP_SUPPLY_ TYPE	WIP supply type code.
SUPPLY_SUBINVENTORY	BOM_ INVENTORY_ COMPONENTS	SUPPLY_ SUBINVENTOR Y	

Document Field	Oracle Applications Table/View Name	Column Name	Description
REFERENCE_DESIGNATOR			Not used for Engineering Bills of Material outbound Transaction.
NEW_OPERATION_SEQ_NUM			Not used for Engineering Bills of Material outbound transactions.
NEW_EFFECTIVITY_DATE			Not used for Engineering Bills of Material outbound transactions.
BOM_ITEM_TYPE	BOM_ INVENTORY_ COMPONENTS	BOM_ITEM_ TYPE	Type of item (de-normalized from BOM Item Type in MTL_SYSTEM_ITEMS).
OPERATION_LEAD_TIME_ PERCENT	BOM_ INVENTORY_ COMPONENTS	OPERATION_ LEAD_TIME_ PERCENT	Operation offset from first operation in routing.
ASSEMBLY_TYPE	BOM_BILL_OF_ MATERIALS	ASSEMBLY_ TYPE	Assembly type of the parent bill.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_ MATERIALS	DECODE (BOM.ASSEMBL Y_TYPE, 1,'BILL', 2,'ECO', NULL)	Use Bill or ECO.
UOM	MTL_UNITS_OF _MEASURE_TL	UNIT_OF_ MEASURE	
TRANSACTION_TYPE			Not used for Engineering BOM outbound transactions.
AUTO_REQUEST_MATERIAL	BOM_INVENTO RY_COMPONE NTS	AUTO_REQUES T_MATERIAL	Auto request material (Y/N).

1.2.1. BOM_ENG_SUB_COMPS

Document Field	Oracle Applications Table/View Name	Column Name	Description
SUBSTITUTE_COMP_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Substitute component number.
SUBSTITUTE_ITEM_QUANTITY	BOM_ SUBSTITUTE_ COMPONENTS	SUBSTITUTE_ ITEM_QUANTIT Y	Substitute component quantity.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ACD_TYPE	BOM_ SUBSTITUTE_ COMPONENTS	ACD_TYPE	Type to indicate add or delete on an engineering change order.
CHANGE_NOTICE	BOM_ SUBSTITUTE_ COMPONENTS	CHANGE_ NOTICE	Engineering Change Order (ECO) number.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Inventory item number of assembly.
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Engineering Bills of Material designator code.
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Inventory item number of component.
OPERATION_SEQ_NUM	BOM_ INVENTORY_ COMPONENTS	OPERATION_ SEQ_NUM	Manufacturing operation sequence number.
EFFECTIVITY_DATE	BOM_ INVENTORY_ COMPONENTS	EFFECTIVITY_ DATE	Effective date.
NEW_SUB_COMP_NUMBER			Not used for Engineering BOM outbound transactions.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_ MATERIALS	DECODE (BOM ASSEMBLY_TYP E, 1,'BILL', 2,'ECO', NULL)	Inventory item type.
UOM	MTL_UNITS_OF _MEASURE_TL	UNIT_OF_ MEASURE	
TRANSACTION_TYPE			Not used for Engineering BOM outbound transactions.

1.2.2. BOM_ENG_REF_DESGS

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPONENT_REFERENCE_ DESIGNATOR	BOM_ REFERENCE_ DESIGNATORS	COMPONENT_ REFERENCE_ DESIGNATOR	Component reference designator.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Bill of Materials identifier.
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	
OPERATION_SEQ_NUM	BOM_ INVENTORY_ COMPONENTS	OPERATION_ SEQ_NUM	Manufacturing operation sequence number.
EFFECTIVITY_DATE	BOM_ INVENTORY_ COMPONENTS	EFFECTIVITY_ DATE	Date when functionality will be enabled.
REF_DESIGNATOR_COMMENT	BOM_ REFERENCE_ DESIGNATORS	REF_ DESIGNATOR_ COMMENT	Reference designator comment.
CHANGE_NOTICE	BOM_ REFERENCE_ DESIGNATORS	CHANGE_ NOTICE	Engineering change order number.
ACD_TYPE	BOM_ REFERENCE_ DESIGNATORS	ACD_TYPE	Add or delete code from an engineering change order.
NEW_DESIGNATOR			Not used for Engineering BOM outbound transaction.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_ MATERIALS	DECODE (BOM.ASSEMBL Y_TYPE, 1,'BILL', 2,'ECO', NULL)	Use Bill or ECO.
TRANSACTION_TYPE			Not used for Engineering BOM outbound transaction.

Send Item Service

The name of this service is:

WmOAMFG1159.inventory1159.fromOA.item:sendItem

This service sends item information to the webMethods Integration Server.

Items defined in Oracle Applications cannot be deleted. A business document with a document status of INSERT or UPDATE will be created. The document status of DELETE does not apply in this case.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_invitem.sql	Runs the scripts listed below, except the uninstall script.
wm_from_invitem_vw.sql	Creates the following required view components for item outbound transactions: ■ WM_INV_ITEMS_VW ■ WM_INV_ITEM_CATEGORIES_VW ■ WM_INV_ITEM_REVISIONS_VW ■ WM_INV_ITEMS_QRY_VW
wm_from_invitem_trg.sql	Creates the following required trigger components for item outbound transactions: ■ WM_MTL_SYSTEM_ITEMS_B_IU_TRG ■ WM_MTL_ITEM_CATEGORIES_IUD_TRG ■ WM_MTL_ITEM_REVISIONS_IU_TRG
wm_disable_from_invitem.sql	Disables the triggers installed by wm_from_invitem_trg.sql.
wm_enable_from_invitem.sql	Re-enables the triggers installed by wm_from_invitem_trg.sql.
wm_drop_from_invitem.sql	Uninstalls all components created by wm_install_from_invitem.sql.

For more information about using database scripts, see .

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getItemTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow sendItem executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ lockTxnCtrl service determines whether the sendItem service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

  ■ If lockTxnCtrl service returns False, it means that another instance of this service is already in process. The service exits and waits for next scheduled execution.

  ■ If lockTxnCtrl service returns True, it means that the service is ready to execute, the Item row in the control table is locked and updated, and the status is changed to INPROCESS. This prevents any other Item service from executing.

■ getItemTxn queries the Oracle Applications database for any Item transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ processBizDoc is the customizable step that sends the business document to a trading partner. You must customize this step to receive a Success or an Error status for the document transfer. If an error occurs in a particular business document transfer, then the error information is sent back to the calling service (sendItem). The error information passed back should have the document identifiers. If a particular document is transferred successfully to the trading partner, no information needs to be sent back to the calling program (sendItem).

■ Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

  ■ If the Debug Mode is TRUE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are updated, and the PROCESSED_FLAG is set to Y. This ensures that the same set of records is not picked up during next polling interval. The updateTrackChanges service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y so that same information is not picked up again during next polling instance.

- If the Debug Mode is FALSE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are deleted. The purgeTrackChanges service purges the records from the WM_TRACKCHANGES table.

- If an error occurs in transferring the business document, the insertTransferERRInfo service inserts a new record into the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

- unlockTxnCtrl service releases the lock on the Custom Control table so that next polling instance of sendItem service can begin.

- If the document transfer is successful, the flow exits.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This service uses the following business document structure:

- 1.0. MTL_SYSTEM_ITEM

  - 1.1. MTL_ITEM_REVISIONS

    - 1.1.1. MTL_ITEM_CATEGORIES

1.0. MTL_SYSTEM_ITEM

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID	None		
DOCUMENT_TYPE			ITEM will be populated in this field.
DOCUMENT_STATUS			UPDATE or INSERT will be populated in this field.
INV_ITEM_ORG_ID	None		Concatenated String INVENTORY_ITEM_ID||'-'||ORGANIZATION_ID. Not applicable for queryItem service.
ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Segmented Item Number.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORGANIZATION_NAME	ORGANIZATION_ID	ORGANIZATION_NAME	Derives ORGANIZATION_NAME from ORG_ORGANIZATION_ DEFINITIONS using ORGANIZATION_ID.
SUMMARY_FLAG	MTL_SYSTEM_ ITEMS_B	SUMMARY_ FLAG	Flexfield summary flag.
TAX_CODE	MTL_SYSTEM_ ITEMS_B	TAX_CODE	Tax code for the item.
ENABLED_FLAG	MTL_SYSTEM_ ITEMS_B	ENABLED_ FLAG	
START_DATE_ACTIVE	MTL_SYSTEM_ ITEMS_B	START_DATE_ ACTIVE	Flexfield segment start date.
END_DATE_ACTIVE	MTL_SYSTEM_ ITEMS_B	END_DATE_ ACTIVE	Flex field segment end date.
DESCRIPTION	MTL_SYSTEM_ ITEMS_B	DESCRIPTION	Item description.
BUYER_FULL_NAME	PER_ALL_ PEOPLE_F	FULL_NAME	Derives AGENT_ID from PO_AGENTS, PER_ALL_PEOPLE_F, where PO_AGENTS.AGENT_ID = PER_ALL_PEOPLE_F. PERSON_ID.
ACCOUNTING_RULE_NAME	RA_RULES	RULE_NAME	Derives the RULE_NAME from RA_RULES for the RULE_ID.
INVOICING_RULE_NAME	RA_RULES	RULE_NAME	Derives the RULE_NAME from RA_RULES for the RULE_ID.
PURCHASING_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	PURCHASING_ ITEM_FLAG	Indicates whether item can be purchased.
SHIPPABLE_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	SHPPABLE_ ITEM_FLAG	Indicates whether the item can be shipped.
CUSTOMER_ORDER_FLAG	MTL_SYSTEM_ ITEMS_B	CUSTOMER_ ORDER_FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
INTERNAL_ORDER_FLAG	MTL_SYSTEM_ ITEMS_B	INTERNAL_ ORDER_FLAG	
SERVICE_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	SERVICE_ITEM_ FLAG	
INVENTORY_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	INVENTORY_ ITEM_FLAG	
ENG_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	ENG_ITEM_ FLAG	
INVENTORY_ASSET_FLAG	MTL_SYSTEM_ ITEMS_B	INVENTORY_ ASSET_FLAG	
PURCHASING_ENABLED_FLA G	MTL_SYSTEM_ ITEMS_B	PURCHASING_ ENABLED_ FLAG	Indicates whether item can be purchased
CUSTOMER_ORDER_ ENABLED_FLAG	MTL_SYSTEM_ ITEMS_B	CUSTOMER_ ORDER_ENABL ED_FLAG	Indicates whether item is customer orderable.
INTERNAL_ORDER_ ENABLED_FLAG	MTL_SYSTEM_ ITEMS_B	INTERNAL_ ORDER_ENABL ED_FLAG	Indicates whether item is internally orderable.
SO_TRANSACTIONS_FLAG	MTL_SYSTEM_ ITEMS_B	SO_ TRANSACTION S_FLAG	Sales Order Transaction Flag.
MTL_TRANSACTIONS_ENABL ED_FLAG	MTL_SYSTEM_ ITEMS_B	MTL_ TRANSACTION S_ENABLED_ FLAG	Indicates whether item can be processed.
STOCK_ENABLED_FLAG	MTL_SYSTEM_ ITEMS_B	STOCK_ ENABLED_ FLAG	Indicates item can be stocked.
BOM_ENABLED_FLAG	MTL_SYSTEM_ ITEMS_B	BOM_ ENABLED_ FLAG	Indicates whether item can appear on a Bill of Materials.
BUILD_IN_WIP_FLAG	MTL_SYSTEM_ ITEMS_B	BUILD_IN_WIP_ FLAG	Indicates whether item can be built in WIP.

Document Field	Oracle Applications Table/View Name	Column Name	Description
REVISION_QTY_CONTROL	MFG_LOOKUPS	MEANING	Derives MEANING from MFG_LOOKUPS, where LOOKUP_TYPE is MTL_ENG_QUANTITY for LOOKUP_CODE.
ITEM_CATALOG_GROUP_ DESCRIPTION	MTL_ITEM_ CATALOG_ GROUPS	DESCRIPTION	
CATALOG_STATUS_FLAG	MTL_SYSTEM_ ITEMS_B	CATALOG_ STATUS_FLAG	Indicates whether item is catalog complete.
CHECK_SHORTAGES_FLAG	MTL_SYSTEM_ ITEMS_B	CHECK_ SHORTAGES_ FLAG	Indicates whether material shortages should be checked.
RETURNABLE_FLAG	MTL_SYSTEM_ ITEMS_B	RETURNABLE_ FLAG	Indicates whether item can be returned.
DEFAULT_SHIP_ ORGANIZATION_NAME	ORG_ ORGANIZATIO N_DEFINITION S	ORGANIZATIO N_NAME	Derives ORGANIZATION_NAME from ORG_ORGANIZATION_ DEFINITIONS.
COLLATERAL_FLAG	MTL_SYSTEM_ ITEMS_B	COLLATERAL_ FLAG	Indicates whether the item is a collateral item.
TAXABLE_FLAG	MTL_SYSTEM_ ITEMS_B	TAXABLE_ FLAG	Indicates whether the item is taxable.
QTY_RCV_EXCEPTION_CODE	MTL_SYSTEM_ ITEMS_B	QTY_RCV_ EXCEPTION_ CODE	Use: NONE for no receiving control enforced, REJECT for prevent receipt of goods or services, or WARNING for display warning message.
ALLOW_ITEM_DESC_UPDATE_ FLAG	MTL_SYSTEM_ ITEMS_B	ALLOW_ITEM_ DESC_UPDATE_ FLAG	Indicates whether to allow item description updates on inventory item lines.
INSPECTION_REQUIRED_ FLAG	MTL_SYSTEM_ ITEMS_B	INSPECTION_ REQUIRED_ FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
RECEIPT_REQUIRED_FLAG	MTL_SYSTEM_ITEMS_B	RECEIPT_ REQUIRED_ FLAG	Indicates whether a supplier receipt is required.
MARKET_PRICE	MTL_SYSTEM_ITEMS_B	MARKET_PRICE	
HAZARD_CLASS	PO_HAZARD_ CLASSES	HAZARD_ CLASS_NAME	Derives the HAZARD_CLASS_NAME from PO_HAZARD_CLASSES_B.
RFQ_REQUIRED_FLAG	MTL_SYSTEM_ITEMS_B	RFQ_REQUIRED _FLAG	Indicates whether an RFQ is required.
QTY_RCV_TOLERANCE	MTL_SYSTEM_ITEMS_B	QTY_RCV_ TOLERANCE	Maximum permissible amount over receipt percentage.
LIST_PRICE_PER_UNIT	MTL_SYSTEM_ITEMS_B	LIST_PRICE_ PER_UNIT	List price per unit.
UN_NUMBER_ID	MTL_SYSTEM_ITEMS_B	UN_NUMBER_ ID	Purchasing UN number.
PRICE_TOLERANCE_PERCENT	MTL_SYSTEM_ITEMS_B	PRICE_ TOLERANCE_ PERCENT	Price tolerance percentage.
ASSET_CATEGORY	FA_ASSET_ CATEGORIES_ B_KFV	CONCATENATE D_SEGMENT	Derives the CONCATENATED_SEGMEN TS from FA_CATEGORIES_B_KFV for the ASSET_CATEGORY_ID.
ROUNDING_FACTOR	MTL_SYSTEM_ITEMS_B	ROUNDING_ FACTOR	Determines order quantity.
UNIT_OF_ISSUE	MTL_SYSTEM_ITEMS_B	UNIT_OF_ISSUE	
ENFORCE_SHIP_TO_ LOCATION_CODE	MTL_SYSTEM_ITEMS_B	ENFORCE_SHIP _TO_LOCATION _CODE	Requires receipt location to match ship to location.
ALLOW_SUBSTITUTE_ RECEIPTS_FLAG	MTL_SYSTEM_ITEMS_B	ALLOW_ SUBSTITUTE_ RECEIPTS_ FLAG	Indicates whether substitute receipts are allowed.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ALLOW_UNORDERED_RECEIPTS_FLAG	MTL_SYSTEM_ITEMS_B	ALLOW_ UNORDERED_ RECEIPTS_ FLAG	Indicates whether to allow unordered receipts.
ALLOW_EXPRESS_DELIVERY_FLAG	MTL_SYSTEM_ITEMS_B	ALLOW_ EXPRESS_ RECEIPTS_ FLAG	Indicates whether to allow express delivery.
DAYS_EARLY_RECEIPT_ALLOWED	MTL_SYSTEM_ITEMS_B	DAYS_EARLY_ RECEIPT_ ALLOWED	
DAYS_LATE_RECEIPT_ALLOWED	MTL_SYSTEM_ITEMS_B	DAYS_LATE_ RECEIPT_ ALLOWED	
RECEIPT_DAYS_EXCEPTION_CODE	MTL_SYSTEM_ITEMS_B	RECEIPT_ DAYS_ EXCEPTION_ CODE	Use: NONE for no receiving control enforced, REJECT for prevent receipt of goods or services, or WARNING for display warning message.
RECEIVING_ROUTING_NAME	RCV_ROUTING_HEADERS	ROUTING_ NAME	Derives ROUTING_NAME from RCV_ROUTING_HEADERS for RCV_ROUTING_ID.
INVOICE_CLOSE_TOLERANCE	MTL_SYSTEM_ITEMS_B	INVOICE_ CLOSE_ TOLERANCE	
RECEIVE_CLOSE_TOLERANCE	MTL_SYSTEM_ITEMS_B	RECEIVE_ CLOSE_ TOLERANCE	
AUTO_LOT_ALPHA_PREFIX	MTL_SYSTEM_ITEMS_B	AUTO_LOT_ ALPHA_PREFIX	Lot prefix for lot number controlled item.
START_AUTO_LOT_NUMBER	MTL_SYSTEM_ITEMS_B	START_AUTO_ LOT_NUMBER	Starting lot number.

Document Field	Oracle Applications Table/View Name	Column Name	Description
LOT_CONTROL	MFG_LOOKUPS	MEANING	Derives MEANING from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_LOT_CONTRO for the LOT_CONTROL_CODE. Use: L for the meaning column, 1 for No lot control, or 2 for Full lot control.
SHELF_LIFE	MFG_LOOKUPS	MEANING	Derives MEANING from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SHELF_LIFE for the SHELF_LIFE_CODE column. Use: 1 for No shelf life control, 2 for Item shelf life days, or 4 for User-defined expiration date.
SHELF_LIFE_DAYS	MTL_SYSTEM_ITEMS_B	SHELF_LIFE_DAYS	Number of shelf life days.
SERIAL_NUMBER_CONTROL	MFG_LOOKUPS	MEANING	Derives MEANING from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SERIAL_NUMBER for the SERIAL_NUMBER_CONTROL_CODE column. Use: 1 for No serial number control, 2 for Predefined serial numbers, 5 for Dynamic entry at inventory receipt, or 6 for Dynamic entry at sales order issue.
START_AUTO_SERIAL_NUMBER	MTL_SYSTEM_ITEMS_B	START_AUTO_SERIAL_NUMBER	
AUTO_SERIAL_ALPHA_PREFIX	MTL_SYSTEM_ITEMS_B	AUTO_SERIAL_ALPHA_PREFIX	Serial number prefix.

Document Field	Oracle Applications Table/View Name	Column Name	Description
SOURCE_TYPE	MFG_LOOKUPS	MEANING	For either Inventory or Supplier. Derives MEANING from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SOURCE_TYPES for the SOURCE_TYPE.
SOURCE_ORGANIZATION	ORG_ORGANIZATION_ DEFINITIONS	ORGANIZATION_NAME	Derives ORGANIZATION_NAME from ORG_ORGANIZATION_DEFINITIONS for the SOURCE_ORGANIZATION_ ID.
SOURCE_SUBINVENTORY	MTL_SYSTEM_ ITEMS_B	SOURCE_SUBINVENTORY	
EXPENSE_ACCOUNT	GL_CODE_ COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Derived from GL_CODE_COMBINATIONS _KFV for the EXPENSE_ACCOUNT.
ENCUMBRANCE_ACCOUNT	GL_CODE_ COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Derived from GL_CODE_COMBINATIONS _KFV for the ENCUMBRANCE_ ACCOUNT.
RESTRICT_SUBINVENTORIES	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_SUBINVENTORY_ RESTRICTIONS for the RESTRICT_ SUBINVENTORIES_CODE column. Use: 1 for Subinventories restricted to pre-defined list, or 2 for Subinventories not restricted to pre-defined list.
UNIT_WEIGHT	MTL_SYSTEM_ ITEMS_B	UNIT_WEIGHT	
WEIGHT_UOM_CODE	MTL_SYSTEM_ ITEMS_B	WEIGHT_ UOM_CODE	Weight unit of measure code.

Document Field	Oracle Applications Table/View Name	Column Name	Description
VOLUME_UOM_CODE	MTL_SYSTEM_ ITEMS_B	VOLUME_ UOM_CODE	Volume unit of measure code.
UNIT_VOLUME	MTL_SYSTEM_ ITEMS_B	UNIT_VOLUME	
RESTRICT_LOCATORS	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS, where LOOKUP_TYPE=MTL_LOC ATOR_RESTRICTIONS for the RESTRICT_LOCATORS_CO DE. Use: 1 for Locators restricted to pre-defined list, 2 for Locators not restricted to pre-defined list.
LOCATION_CONTROL	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS, where LOOKUP_TYPE=MTL_LOC ATION_CONTROL for the LOCATION_CONTROL_CO DE column. Use: 1 for No locator control, 2 for Pre-specified locator control, 3 for Dynamic entry locator control, 4 for Locator control determined at subinventory level, 5 for Locator control determined at item level.
SHRINKAGE_RATE	MTL_SYSTEM_ ITEMS_B	SHRINKAGE_ RATE	Planned shrinkage rate.
ACCEPTABLE_EARLY_DAYS	MTL_SYSTEM_ ITEMS_B	ACCEPTABLE_ EARLY_DAYS	Days an order may be early before rescheduling is recommended.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PLANNING_TIME_FENCE	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_TIME_FENCE for the PLANNING_TIME_FENCE_ CODE column. Use: 1 for Cumulative total lead time, 2 for Cumulative manufacturing lead time, 3 for Total lead time, or 4 for User-defined time fence.
DEMAND_TIME_FENCE	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS where LOOKUP_TYPE = MTL_TIME_FENCE for the DEMAND_TIME_FENCE_ CODE column. Use: 1 for Cumulative total lead time, 2 for Cumulative manufacturing lead time, 3 for Total lead time, or 4 for User-defined time fence.
LEAD_TIME_LOT_SIZE	MTL_SYSTEM_ ITEMS_B	LEAD_TIME_ LOT_SIZE	Lead time lot size.
STD_LOT_SIZE	MTL_SYSTEM_ ITEMS_B	STD_LOT_SIZE	Standard lot size.
CUM_MANUFACTURING_ LEAD_TIME	MTL_SYSTEM_ ITEMS_B	CUM_ MANUFACTURI NG_LEAD_ TIME	Cumulative lead time.
OVERRUN_PERCENTAGE	MTL_SYSTEM_ ITEMS_B	OVERRUN_ PERCENTAGE	MRP repetitive overrun rate.
MRP_CALCULATE_ATP_FLAG	MTL_SYSTEM_ ITEMS_B	MRP_ CALCULATE_ ATP_FLAG	
ACCEPTABLE_RATE_ INCREASE	MTL_SYSTEM_ ITEMS_B	ACCEPTABLE_ RATE_ INCREASE	MRP repetitive acceptable rate increase.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ACCEPTABLE_RATE_ DECREASE	MTL_SYSTEM_ ITEMS_B	ACCEPTABLE_ RATE_ DECREASE	MRP repetitive acceptable rate decrease.
CUMULATIVE_TOTAL_LEAD_ TIME	MTL_SYSTEM_ ITEMS_B	CUMULATIVE_ TOTAL_LEAD_ TIME	Cumulative total lead time.
PLANNING_TIME_FENCE_ DAYS	MTL_SYSTEM_ ITEMS_B	PLANNING_ TIME_FENCE_ DAYS	Planning time fence.
DEMAND_TIME_FENCE_DAYS	MTL_SYSTEM_ ITEMS_B	DEMAND_TIME _FENCE_DAYS	Demand time fence.
END_ASSEMBLY_PEGGING_ FLAG	MTL_SYSTEM_ ITEMS_B	END_ ASSEMBLY_ PEGGING_ FLAG	End assembly pegging flag.
REPETITIVE_PLANNING_ FLAG	MTL_SYSTEM_ ITEMS_B	REPETITIVE_ PLANNING_ FLAG	Repetitive planning flag.
PLANNING_EXCEPTION_SET	MTL_SYSTEM_ ITEMS_B	PLANNING_ EXCEPTION_ SET	Exception control set.
BOM_ITEM_TYPE	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS, where LOOKUP_TYPE is BOM_ITEM_TYPE for BOM_ITEM_TYPE column.
PICK_COMPONENTS_FLAG	MTL_SYSTEM_ ITEMS_B	PICK_ COMPONENTS_ FLAG	
REPLENISH_TO_ORDER_FLAG	MTL_SYSTEM_ ITEMS_B	REPLENISH_ TO_ORDER_ FLAG	
BASE_ITEM	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Derived from MTL_SYSTEM_ITEMS_B_ KFV for the BASE_ITEM _ID and Organization.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ATP_COMPONENTS_FLAG	MTL_SYSTEM_ITEMS_B	ATP_COMPONENTS_FLAG	
ATP_FLAG	MTL_SYSTEM_ITEMS_B	ATP_FLAG	Indicates whether ATP must be checked when ordering the item.
FIXED_LEAD_TIME	MTL_SYSTEM_ITEMS_B	FIXED_LEAD_TIME	Fixed portion of the assembly lead time.
VARIABLE_LEAD_TIME	MTL_SYSTEM_ITEMS_B	VARIABLE_LEAD_TIME	Variable lead time.
WIP_SUPPLY_LOCATOR	MTL_ITEM_LOCATIONS_KFV	CONCATENATED_SEGMENTS	Derived from MTL_ITEM_LOCATIONS_KFV for the WIP_SUPPLY_LOCATOR.
WIP_SUPPLY_TYPE	MFG_LOOKUPS	MEANING	Derived from MFG_LOOKUPS for LOOKUP_TYPE WIP_SUPPLY.
WIP_SUPPLY_SUBINVENTORY	MTL_SYSTEM_ITEMS_B	WIP_SUPPLY_SUBINVENTORY	
PRIMARY_UOM_CODE	MTL_SYSTEM_ITEMS_B	PRIMARY_UOM_CODE	Primary unit of measure code.
ALLOWED_UNITS_LOOKUP	MFG_LOOKUP	MEANING	Allowed Units Lookup Code. Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_CONVERSION_TYPE for the ALLOWED_UNITS_LOOKUP_CODE column.
COST_OF_SALES_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Derives CONCATENATED_SEGMENTS from GL_CODE_COMBINATIONS_KFV for the COST_OF_SALES_ACCOUNT segment.

Document Field	Oracle Applications Table/View Name	Column Name	Description
SALES_ACCOUNT	GL_CODE_ COMBINATION S_KFV	CONCATENATE D_SEGMENTS	Derives CONCATENATED_ SEGMENTS from GL_CODE_ COMBINATIONS_KFV for the SALES_ACCOUNT.
DEFAULT_INCLUDE_IN_ OLLUP_FLAG	MTL_SYSTEM_ ITEMS_B	DEFAULT_ INCLUDE_IN_ ROLLUP_FLAG	Indicates whether to include default value in cost rollup.
INVENTORY_ITEM_STATUS_ CODE	MTL_SYSTEM_ ITEMS_B	INVENTROY_ ITEM_STATUS_ CODE	Inventory item status.
INVENTORY_PLANNING	MFG_LOOKUPS	MEANING	Inventory Planning Code. Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_MATERIAL_ PLANNING.
PLANNER_CODE	MTL_SYSTEM_ ITEMS_B	PLANNER_ CODE	
PLANNING_MAKE_BUY	MTL_SYSTEM_ ITEMS_B	PLANNING_ MAKE_BUY_ CODE	Indicates whether item is planned as manufactured or purchased. Derives LOOKUP_CODE from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_PLANNING_MAKE_ BUY.
FIXED_LOT_MULTIPLIER	MTL_SYSTEM_ ITEMS_B	FIXED_LOT_ MULTIPLIER	
ROUNDING_CONTROL_TYPE	MFG_LOOKUPS	MEANING	Rounding Control Code. Derived from MFG_LOOKUPS where LOOKUP_TYPE = MTL_ROUNDING for the ROUNDING_CONTROL_ TYPE column.
CARRYING_COST	MTL_SYSTEM_ ITEMS_B	CARRYING_ COST	Annual carrying cost.

Document Field	Oracle Applications Table/View Name	Column Name	Description
POSTPROCESSING_LEAD_TIME	MTL_SYSTEM_ITEMS_B	POSTPROCESSING_LEAD_TIME	
PREPROCESSING_LEAD_TIME	MTL_SYSTEM_ITEMS_B	PREPROCESSING_LEAD_TIME	
FULL_LEAD_TIME	MTL_SYSTEM_ITEMS_B	FULL_LEAD_TIME	Full lead time.
ORDER_COST	MTL_SYSTEM_ITEMS_B	ORDER_COST	
MRP_SAFETY_STOCK_PERCENT	MTL_SYSTEM_ITEMS_B	MRP_SAFETY_STOCK_PERCENT	Safety stock percentage.
MRP_SAFETY_STOCK	MFG_LOOKUPS	MEANING	Safety Stock Code. Derived from MFG_LOOKUPS for LOOKUP_TYPE MTL_SAFETY_STOCK_TYPE for the MRP_SAFETY_STOCK_CODE column.
MIN_MINMAX_QUANTITY	MTL_SYSTEM_ITEMS_B	MIN_MINMAX_QUANTITY	Minimum minmax quantity.
MAX_MINMAX_QUANTITY	MTL_SYSTEM_ITEMS_B	MAX_MINMAX_QUANTITY	Maximum minmax quantity.
MINIMUM_ORDER_QUANTITY	MTL_SYSTEM_ITEMS_B	MINIMUM_ORDER_QUANTITY	Minimum order quantity.
FIXED_ORDER_QUANTITY	MTL_SYSTEM_ITEMS_B	FIXED_ORDER_QUANTITY	
FIXED_DAYS_SUPPLY	MTL_SYSTEM_ITEMS_B	FIXED_DAYS_SUPPLY	
MAXIMUM_ORDER_QUANTITY	MTL_SYSTEM_ITEMS_B	MAXIMUM_ORDER_QUANTITY	
ATP_RULE_NAME	MTL_ATP_RULES	RULE_NAME	Derives RULE_NAME from MTL_ATP_RULES for the ATP_RULE_ID.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PICKING_RULE_NAME	MTL_PICKING_ RULES	PICKING_RULE _NAME	Derives PICKING_RULE_NAME from MTL_PICKING_RULES for PICKING_RULE_ID.
RESERVABLE_TYPE	MFG_LOOKUPS	MEANING	Derives from MFG_LOOKUPS for LOOKUP_TYPE MTL_RESERVATION_ CONTROL.
POSITIVE_MEASUREMENT_ ERROR	MTL_SYSTEM_ ITEMS_B	POSITIVE_ MEASUREMEN T_ERROR	Percent error above measured quantity.
NEGATIVE_MEASUREMENT_ ERROR	MTL_SYSTEM_ ITEMS_B	NEGATIVE_ MEASUREMEN T_ERROR	Percent error below measured quantity.
ENGINEERING_ECN_CODE	MTL_SYSTEM_ ITEMS_B	ENGINEERING_ ECN_CODE	Engineering ECN Code.
ENGINEERING_ITEM	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Derives from MTL_SYSTEM_ITEMS_B_ KFV for the ENGINEERING_ITEM_ID.
ENGINEERING_DATE	MTL_SYSTEM_ ITEMS_B	ENGINEERING_ DATE	
SERVICE_START_DATE	MTL_SYSTEM_ ITEMS_B	SERVICE_START _DATE	Service start date. Used in inbound transactions only.
SERVICE_STARTING_DELAY	MTL_SYSTEM_ ITEMS_B	SERVICE_START ING_DELAY	Days after shipment that service begins.
VENDOR_WARRANTY_FLAG	MTL_SYSTEM_ ITEMS_B	VENDOR_ WARRANTY_ FLAG	
SERVICEABLE_COMPONENT_ FLAG	MTL_SYSTEM_ ITEMS_B	SERVICEABLE_ COMPONENT_ FLAG	
SERVICEABLE_PRODUCT_FLA G	MTL_SYSTEM_ ITEMS_B	SERVICEABLE_ PRODUCT_ FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
BASE_WARRANTY_SERVICE_ ITEM	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Derived from MTL_SYSTEM_ITEMS_B_ KFV for the BASE_WARRANTY_ SERVICE_ITEM_ID and organization.
PAYMENT_TERM_NAME	RA_TERMS_B	TERM_NAME	Derived from RA_TERMS_B.
PREVENTATIVE_ MAINTENANCE_FLAG	MTL_SYSTEM_ ITEMS_B	PREVENTATIVE _MAINTENANC E_FLAG	
PRIMARY_SPECIALIST_FULL_ NAME	PER_ALL_ PEOPLE_F	FULL_NAME	Derived from PER_ALL_PEOPLE_F for PRIMARY_SPECIALIST_ID.
SECONDARY_SPECIALIST_ FULL_NAME	PER_ALL_ PEOPLE_F	FULL_NAME	Derived from PER_ALL_PEOPLE_F for SECONDARY_SPECIALIST_ ID.
SERVICEABLE_ITEM_CLASS_ NAME	CS_ SERVICEABLE_ ITEM_CLASSES	SERVICEABLE _ITEM_CLASS_ NAME	Derived CS_SERVICEABLE_ITEM_ CLASSES for the SERVICEABLE_ITEM_ CLASS_ID.
TIME_BILLABLE_FLAG	MTL_SYSTEM_ ITEMS_B	TIME_BILLABLE _FLAG	Indicates whether service hours are billable.
MATERIAL_BILLABLE_FLAG	MTL_SYSTEM_ ITEMS_B	MATERIAL_ BILLABLE_ FLAG	Indicates whether service items are billable.
EXPENSE_BILLABLE_FLAG	MTL_SYSTEM_ ITEMS_B	EXPENSE_ BILLABLE_ FLAG	Indicates whether service expenses are billable.
PRORATE_SERVICE_FLAG	MTL_SYSTEM_ ITEMS_B	PRORATE_ SERVICE_FLAG	Indicates cost of service may be prorated.
COVERAGE_SCHEDULE_ NAME	CS_COVERAGE _SCHEDULES	COVERAGE_ SCHEDULE_ NAME	Derived from CS_COVERAGE_ SCHEDULES for the COVERAGE_SCHEDULE_ID

Document Field	Oracle Applications Table/View Name	Column Name	Description
SERVICE_DURATION_PERIOD_CODE	MTL_SYSTEM_ITEMS_B	SERVICE_DURATION_PERIOD_CODE	Service duration period code.
SERVICE_DURATION	MTL_SYSTEM_ITEMS_B	SERVICE_DURATION	Default service duration.
WARRANTY_VENDOR_NAME	PO_VENDORS	VENDOR_NAME	Derived from PO_VENDORS for the WARRANTY_VENDOR_ID.
MAX_WARRANTY_AMOUNT	MTL_SYSTEM_ITEMS_B	MAX_WARRANTY_AMOUNT	Maximum warranty amount.
REPONSE_TIME_PERIOD_CODE	MTL_SYSTEM_ITEMS_B	RESPONSE_TIME_PERIOD_CODE	Response time period code.
RESPONSE_TIME_VALUE	MTL_SYSTEM_ITEMS_B	RESPONSE_TIME_VALUE	Response time value.
INVOICEABLE_ITEM_FLAG	MTL_SYSTEM_ITEMS_B	INVOICEABLE_ITEM_FLAG	Indicates whether item can be invoiced.
INVOICE_ENABLED_FLAG	MTL_SYSTEM_ITEMS_B	INVOICE_ENABLED_FLAG	
MUST_USE_APPROVED_VENDOR_FLAG	MTL_SYSTEM_ITEMS_B	MUST_USE_APPROVED_VENDOR_FLAG	Indicates whether purchases are restricted to an approved supplier.
OUTSIDE_OPERATION_FLAG	MTL_SYSTEM_ITEMS_B	OUTSIDE_OPERATION_FLAG	
OUTSIDE_OPERATION_UOM_TYPE	MTL_SYSTEM_ITEMS_B	OUTSIDE_OPERATION_UOM_TYPE	
SAFETY_STOCK_BUCKET_DAYS	MTL_SYSTEM_ITEMS_B	SAFETY_STOCK_BUCKET_DAYS	Safety stock bucket days.
AUTO_REDUCE_MPS	MTL_SYSTEM_ITEMS_B	AUTO_REDUCE_MPS	Automatically deletes MPS entries in a period.
COSTING_ENABLED_FLAG	MTL_SYSTEM_ITEMS_B	COSTING_ENABLED_FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
AUTO_CREATED_CONFIG_ FLAG	MTL_SYSTEM_ ITEMS_B	AUTO_CREATE _CONFIG_FLAG	Indicates whether the configuration item is automatically created.
CYCLE_COUNT_ENABLED_ FLAG	MTL_SYSTEM_ ITEMS_B	CYCLE_COUNT _ENABLED_ FLAG	Indicates whether the item may be cycle counted.
DEMAND_SOURCE_LINE	Not Used	Not Used	Used for inbound transactions only.
COPY_ITEM_NUMBER	Not Used	Not Used	Derives ITEM_ID from MTL_SYSTEM_ITEMS_B_KF V for the concatenated segment. Used for inbound transactions only.
SET_ID	Not Used	Not Used	Set identifier used for ATO. Used for inbound transactions only.
REVISION	MTL_SYSTEM_ ITEMS_B	REVISION	Item revision.
ITEM_TYPE	FND_ COMMON_ LOOKUPS	MEANING	User defined item type. Derived from FND_COMMON_LOOKUPS, where LOOKUP_TYPE = ITEM_TYPE for the ITEM_TYPE as LOOKUP_CODE.
MODEL_CONFIG_CLAUSE_ NAME	MTL_SYSTEM_ ITEMS_B	MODEL_ CONFIG_ CLAUSE_NAME	Model Configuration Clause Name.
SHIP_MODEL_COMPLETE_ FLAG	MTL_SYSTEM_ ITEMS_B	SHIP_MODEL_ COMPLETE_ FLAG	Indicates model must be complete to ship.
MRP_PLANNING	MFG_LOOKUPS	MEANING	MRP planning option. Derived from MFG_LOOKUPS where LOOKUP_TYPE = MRP_PLANNING_CODE.

Document Field	Oracle Applications Table/View Name	Column Name	Description
RETURN_INSPECTION_ REQUIREMENT	MTL_SYSTEM_ ITEMS_B	RETURN_I NSPECTION_ REQUIREMENT	RMA inspection requirement. Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MTL_RETURN_ INSPECTION.
DEMAND_SOURCE_TYPE	Not Used	Not Used	Used for inbound transactions.
DEMAND_SOURCE_HEADER_ ID	Not Used	Not Used	Used for inbound transactions.
TEMPLATE_NAME	Not Used	Not Used	Item Template Name. Used for inbound transactions only.
COPY_ORGANIZATION_ NAME	Not Used	Not Used	Derives ORGANIZATION_ID from ORG_ORGANIZATION_ DEFINITIONS. Used for inbound transaction only.
ATO_FORECAST_CONTROL	MFG_LOOKUPS	MEANING	Type of forecast control for ATO. Derived from MFG_LOOKUPS, where LOOKUP_TYPE = MRP_ATO_FORECAST_ CONTROL.
MATERIAL_COST	Not Used	Not Used	Used for inbound transactions.
MATERIAL_SUB_ELEMENT	Not Used	Not Used	Used for inbound transactions.
MATERIAL_OH_RATE	Not Used	Not Used	Used for inbound transactions.
MATERIAL_OH_SUBELEMENT	Not Used	Not Used	Used for inbound transactions.
RELEASE_TIME_FENCE	MFG_LOOKUPS	MEANING	Indicates whether the item is auto releasable by MRP. Derived from MFG_LOOKUPS, where LOOKUP_TYPE is MTL_RELEASE_TIME_ FENCE.

Document Field	Oracle Applications Table/View Name	Column Name	Description
RELEASE_TIME_FENCE_DAYS	MTL_SYSTEM_ITEMS_B	RELEASE_TIME_FENCE_DAYS	Number of days within which this item should be auto released.
CONTAINER_ITEM_FLAG	MTL_SYSTEM_ITEMS_B	CONTAINER_ITEM_FLAG	Indicates whether the item is a container. Used for shipping sales orders.
VEHICLE_ITEM_FLAG	MTL_SYSTEM_ITEMS_B	VEHICLE_ITEM_FLAG	Indicates whether the item is a vehicle. Used for shipping sales orders.
MAXIMUM_LOAD_WEIGHT	MTL_SYSTEM_ITEMS_B	MAXIMUM_LOAD_WEIGHT	Maximum load weight of a container or a vehicle that can be used for shipping sales orders.
MINIMUM_FILL_PERCENT	MTL_SYSTEM_ITEMS_B	MINIMUM_FILL_PERCENT	Minimum fill condition under which the container or vehicle should be used.
CONTAINER_TYPE_CODE	MTL_SYSTEM_ITEMS_B	CONTAINER_TYPE_CODE	Container type code for container items. Container types are user definable.
INTERNAL_VOLUME	MTL_SYSTEM_ITEMS_B	INTERNAL_VOLUME	Internal volume for container items. Used by shipping to calculate container capacity restrictions.
WH_UPDATE_DATE	MTL_SYSTEM_ITEMS_B	WH_UPDATE_DATE	Warehouse update date for tracking changes relevant to data collected in Data Warehouse.
PRODUCT_FAMILY_ITEM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Derived from MTL_SYSTEM_ITEMS_KFV for the concatenated segment.
PURCHASING_TAX_CODE	MTL_SYSTEM_ITEMS_B	PURCHSING_TAX_CODE	
OVERCOMPLETION_TOLERANCE_TYPE	MFG_LOOKUPS	MEANING	Over-completion toleration type. Derived from MFG_LOOKUPS, where LOOKUP_TYPE is WIP_TOLERANCE_TYPE.

Document Field	Oracle Applications Table/View Name	Column Name	Description
OVERCOMPLETION_ TOLERANCE_VALUE	MTL_SYSTEM_ ITEMS_B	OVERCOMPLET ION_ TOLERANCE_ VALUE	Over completion tolerance value.
EFFECTIVITY_CONTROL	MFG_LOOKUPS	MEANING	Effective Control. Derived from MFG_LOOKUPS where LOOKUP_TYPE is MTL_EFFECTIVITY_ CONTROL.
OVERSHIPMENT_ TOLERANCE	MTL_SYSTEM_ ITEMS_B	OVERSHIPMEN T_ TOLERANCE	Over-shipment tolerance.
UNDERSHIPMENT_ TOLERANCE	MTL_SYSTEM_ ITEMS_B	UNDERSHIPME NT_ TOLERANCE	Under-shipment tolerance.
OVER_RETURN_TOLERANCE	MTL_SYSTEM_ ITEMS_B	OVER_RETURN _TOLERANCE	Over-return tolerance.
UNDER_RETURN_ TOLERANCE	MTL_SYSTEM_ ITEMS_B	UNDER_ RETURN_ TOLERANCE	Under-return tolerance.
EQUIPMENT_TYPE	MTL_SYSTEM_ ITEMS_B	EQUIPMENT_ TYPE	Use 1 for Yes or 2 for No.
RECOVERED_PART_DISP_ CODE	MTL_SYSTEM_ ITEMS_B	RECOVERED_ PART_DISP_ CODE	Indicates whether return is required for recovered parts or scrap in field, which is used for spare parts.
DEFECT_TRACKING_ON_ FLAG	MTL_SYSTEM_ ITEMS_B	DEFECT_ TRACKING_ON _FLAG	Specifies whether a defect or bug can be filed against the product.
USAGE_ITEM_FLAG	MTL_SYSTEM_ ITEMS_B	USAGE_ITEM_ FLAG	
EVENT_FLAG	MTL_SYSTEM_ ITEMS_B	EVENT_FLAG	Indicates whether item is to be treated as an event.
ELECTRONIC_FLAG	MTL_SYSTEM_ ITEMS_B	ELECTRONIC_ FLAG	Indicates whether an item exists only in electronic format.
DOWNLOADABLE_FLAG	MTL_SYSTEM_ ITEMS_B	DOWNLOADAB LE_FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
VOL_DISCOUNT_EXEMPT_FLAG	MTL_SYSTEM_ITEMS_B	VOLUME_DISCOUNT_EXEMPT_FLAG	Indicates whether an item does not contribute to volume discount for any order.
COUPON_EXEMPT_FLAG	MTL_SYSTEM_ITEMS_B	COUPON_EXEMPT_FLAG	Indicates whether an item is excluded from coupons even if it is part of the group that any coupon applies.
COMMS_NL_TRACKABLE_FLAG	MTL_SYSTEM_ITEMS_B	COMMS_NL_TRACKABLE_FLAG	Indicates whether item is tracked using network logistics.
ASSET_CREATION_CODE	MTL_SYSTEM_ITEMS_B	ASSET_CREATION_CODE	
COMMS_ACTIVATION_REQD_FLAG	MTL_SYSTEM_ITEMS_B	COMMS_ACTIVATION_REQUIRED_FLAG	Indicates whether network activation is required.
ORDERABLE_ON_WEB_FLAG	MTL_SYSTEM_ITEMS_B	ORDERABLE_ON_WEB_FLAG	Indicates whether item can be ordered on the Web.
BACK_ORDERABLE_FLAG	MTL_SYSTEM_ITEMS_B	BACK_ORDERABLE_FLAG	If ATP failed, can item be backordered.
WEB_STATUS	MTL_SYSTEM_ITEMS_B	WEB_STATUS	
INDIVISIBLE_FLAG	MTL_SYSTEM_ITEMS_B	INDIVISIBLE_FLAG	
DIMENSION_UOM_CODE	MTL_SYSTEM_ITEMS_B	DIMENSION_UOM_CODE	Dimension unit of measure code.
UNIT_LENGTH	MTL_SYSTEM_ITEMS_B	UNIT_LENGTH	
UNIT_WIDTH	MTL_SYSTEM_ITEMS_B	UNIT_WIDTH	
UNIT_HEIGHT	MTL_SYSTEM_ITEMS_B	U NIT_HEIGHT	
BULK_PICKED_FLAG	MTL_SYSTEM_ITEMS_B	BULK_PICKED_FLAG	

Document Field	Oracle Applications Table/View Name	Column Name	Description
LOT_STATUS_ENABLED	MTL_SYSTEM_ITEMS_B	LOT_STATUS_ENABLED_	
CONFIG_MODEL_TYPE	MTL_SYSTEM_ITEMS_B	CONFIG_MODEL_TYPE	Configuration model type (Standard/ Container).
IB_ITEM_INSTANCE_TYPE	MTL_SYSTEM_ITEMS_B	IB_ITEM_INSTANCE_TYPE	Install base tracking. Use of this field requires that Install Base Tracking is true.
LOT_SUBSTITUTION_ENABLED	MTL_SYSTEM_ITEMS_B	LOT_SUBSTITUTION_ENABLED	Lot substitution enabled.
MINIMUM_LICENSE_QUANTITY	MTL_SYSTEM_ITEMS_B	MINIMUM_LICENSE_QUANTITY	Minimum license quantity.

1.1. MTL_ITEM_CATEGORIES

Document Field	Oracle Applications Table/View Name	Column Name	Description
INV_ITEM_ORG_ID	None		Concatenated String INVENTORY_ITEM_ID||'-'||ORGANIZATION_ID.
CATEGORY_SET_NAME	MTL_ITEM_CATEGORIES_V	CATEGORY_SET_NAME	Category Set Name.
CATEGORY_NAME	MTL_ITEM_CATEGORIES_V	CATEGORY_NAME	Concatenated category name.
TRANSACTION_TYPE	Not Used	Not Used	Used for inbound transactions only.

1.1.1. MTL_ITEM_REVISIONS

Document Field	Oracle Applications Table/View Name	Column Name	Description
REVISION	MTL_ITEM_REVISIONS_B	REVISION	Item Revision Code.
INV_ITEM_ORG_ID	None		Concatenated String INVENTORY_ITEM_ID||'-'||ORGANIZATION_ID.

Document Field	Oracle Applications Table/View Name	Column Name	Description
CHANGE_NOTICE	MTL_ITEM_ REVISIONS_B	CHANGE_ NOTICE	
ECN_INITIATION_DATE	MTL_ITEM_ REVISIONS_B	ECN_ INITIATION_ DATE	Engineering change initiation date.
IMPLEMENTATION_DATE	MTL_ITEM_ REVISIONS_B	IMPLEMENTATI ON_DATE	Implementation date.
IMPLEMENTED_SERIAL_ NUMBER	MTL_ITEM_ REVISIONS_B	IMPLEMENTED _SERIAL_ NUMBER	Implemented serial number.
EFFECTIVITY_DATE	MTL_ITEM_ REVISIONS_B	EFFECTIVITY_ DATE	Effective date.
REVISED_ITEM_SEQUENCE_ID	MTL_ITEM_ REVISIONS_B	REVISED_ITEM_ SEQUENCE_ID	Used to identify multiple occurrences of the same item on a engineering change order.
DESCRIPTION	MTL_ITEM_ REVISIONS_B	DESCRIPTION	Item revision description.
REVISION_LABEL	MTL_ITEM_ REVISIONS_B	REVISION_LAB EL	Revision label.
REVISION_REASON	MTL_ITEM_ REVISIONS_B	REVISION_REA SON	Revision reason.

Send Manufacturing BOM Service

The name of this service is:

WmOAMFG1159.billsOfMaterial1159.fromOA.manufacturingBOM:sendManufacturingBOM

This service sends to the webMethods Integration Server information about the parent, component, and substitutes Manufacturing Bills of Material items as well as revisions.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_mfgbom.sql	Runs the scripts listed below, except the uninstall script.
wm_from_mfgbom_vw.sql	Creates the following required view components for Manufacturing BOM outbound transactions: ■ WM_BOM_BILL_OF_MTLS_VW ■ WM_BOM_ITEM_REVISIONS_VW ■ WM_BOM_INVENTORY_COMPS_VW ■ WM_BOM_SUBSTITUTE_COMPS_VW ■ WM_BOM_REFERENCE_DESGS_VW ■ WM_BOM_BILL_OF_MTLS_QRY_VW
wm_from_mfgbom_trg.sql	Creates the following trigger components to be used for writing to the WM_TRACKCHANGES table to indicate a new/updated document: ■ WM_BOM_BILL_OF_MTLS_IUD_TRG ■ WM_MTL_ITEM_REV_IUD_TRG ■ WM_BOM_INV_COMPS_IUD_TRG ■ WM_BOM_SUB_COMPS_IUD_TRG ■ WM_BOM_REF_DESGS_IUD_TRG
wm_disable_from_mfgbom.sql	Disables the triggers installed by wm_from_mfgbom_trg.sql.

Script	Description
wm_enable_from_mfgbom.sql	Re-enables the triggers installed by wm_from_mfgbom_trg.sql.
wm_drop_from_mfgbom.sql	Uninstalls all components created by wm_install_from_mfgbom.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getManufacturingBOMTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

You can send new or changed Manufacturing Bills of Material data using the following services:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the sendManufacturingBOM service is ready for execution. That is, it determines whether no other instance of this service is already in process.

  ■ If **lockTxnCtrl** service returns False, it means that another instance of this service is already in process. The service exits and waits for next scheduled execution.

  ■ If **lockTxnCtrl** service returns True, it means that the service is ready to execute, the Manufacturing BOM row in the control table is locked and updated, and the status is changed to INPROCESS. This prevents any other Manufacturing BOM service from executing.

■ **getManufacturingBOMTxn** queries the Oracle Applications database for any Manufacturing BOM Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** is the customizable step that sends the business document to a trading partner. You must customize this step to receive a Success or an Error status of the document transfer. If an error occurs in a particular business document transfer, then the error information is sent back to the calling service (sendManufacturingBOM). The error information passed back should have the document identifiers. If a

particular document is transferred successfully to the trading partner, no information needs to be sent back to the calling program (sendManufacturingBOM).

■ Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

■ If the Debug Mode is TRUE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are updated, and the PROCESSED_FLAG is set to Y. This ensures that the same set of records is not picked up during next polling interval. The updateTrackChanges service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y so that same information is not picked up again during next polling instance.

■ If the Debug Mode is FALSE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are deleted. The purgeTrackChanges service purges the records from the WM_TRACKCHANGES table.

■ If an error occurs when transferring the business document, the insertTransferERRInfo service inserts a new record into the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

■ Any document that is created and deleted in between two successive polling operations will not be delivered. Such records are not selected by getManufacturingBOMTxn service; thus they are not updated as processed or purged in the WM_TRACKCHANGES table.

■ If the Debug Mode is TRUE, then updateUnqualifiedRec service recognizes such records and updates the corresponding PROCESSED_FLAG to Y.

■ If the Debug Mode is FALSE, then the purgeUnqualifiedRec service recognizes such records and deletes them from the WM_TRACKCHANGES table.

■ unlockTxnCtrl releases the lock on the Custom Control table so that next polling instance of sendManufacturingBOM service can begin.

■ If the document transfer is successful, the flow exits.

For more details on send transactions, see .

Business Document Structure

This service uses the following business document structure:

- 1.0. BOM_BILL_OF_MTLS
    - 1.1. MTL_ITEM_REVISIONS
    - 1.2. BOM_INVENTORY_COMPS
        - 1.2.1. BOM_SUB_COMPS
        - 1.2.2. BOM_REF_DESGS

1.0. BOM_BILL_OF_MTLS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			MFGBOM will be populated in this field.
DOCUMENT_STATUS			UPDATE, INSERT or DELETE will be populated in this field.
BILL_SEQUENCE_ID	BOM_BILL_OF_ MATERIALS	BILL_ SEQUENCE_ID	Unique identifier for bill.
ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated segments.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
COMMON_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated segments for common bill item.
COMMON_ORG_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	Organization name for common bill.
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Bill of Materials designator code.
SPECIFIC_ASSEMBLY_ COMMENT	BOM_BILL_OF_ MATERIALS	SPECIFIC_ ASSEMBLY_ COMMENT	Specific Bill of Materials comment.

Document Field	Oracle Applications Table/View Name	Column Name	Description
PENDING_FROM_ECN	BOM_BILL_OF_ MATERIALS	PENDING_ FROM_ECN	Change notice that created this Bill of Materials.
ASSEMBLY_TYPE	BOM_BILL_OF_ MATERIALS	ASSEMBLY_TYP E	For Manufacturing/Engineering.
DEMAND_SOURCE_LINE			Not used for Bills of Material outbound transactions.
SET_ID			Not used for Bills of Material outbound transactions.
DEMAND_SOURCE_TYPE			Not used for Bills of Material outbound transactions.
DEMAND_SOURCE_HEADER_ ID			Not used for Bills of Material outbound transactions.
NEXT_EXPLODE_DATE	BOM_BILL_OF_ MATERIALS	NEXT_ EXPLODE_ DATE	Next date when pre-explosion will be refreshed.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
REVISION			Not used for Bills of Material outbound transactions.
UOM	MTL_UNITS_OF _MEASURE_TL	UNIT_OF_ MEASURE	Unit of measure.
IMPLEMENTATION_DATE	BOM_BILL_OF_ MATERIALS	IMPLEMENTATI ON_DATE	Implementation date.

1.1. MTL_ITEM_REVISIONS

Document Field	Oracle Applications Table/View Name	Column Name	Description
BILL_SEQUENCE_ID	BOM_ INVENTORY_ COMPONENTS	BILL_ SEQUENCE_ID	Unique bill identifier.
ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Concatenated segments.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	

Document Field	Oracle Applications Table/View Name	Column Name	Description
REVISION	MTL_ITEM_REVISIONS	REVISION	Item revision code.
CHANGE_NOTICE	MTL_ITEM_REVISIONS	CHANGE_NOTICE	Engineering change order number.
ECN_INITIATION_DATE	MTL_ITEM_REVISIONS	ECN_INITIATION_DATE	Engineering change order Initiation date.
IMPLEMENTATION_DATE	MTL_ITEM_REVISIONS	IMPLEMENTATION_DATE	Engineering change order implementation date.
EFFECTIVITY_DATE	MTL_ITEM_REVISIONS	EFFECTIVITY_DATE	Revision effective date.
REVISED_ITEM_SEQUENCE_ID	MTL_ITEM_REVISIONS	REVISED_ITEM_SEQUENCE_ID	Revised item sequence ID.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
REVISION_LABEL	MTL_ITEM_REVISION	REVISION_LABEL	Revision label. (This field is in the table but not shown in the webMethods Developer; it is for future use.)
REVISION_REASON	MTL_ITEM_REVISION	REVISION_REASON	Revision reason. (This field is in the table but not shown in the webMethods Developer; it is for future use.)

1.2. BOM_INVENTORY_COMPS

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPONENT_SEQUENCE_ID	BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	Unique component identifier.
BILL_SEQUENCE_ID	BOM_INVENTORY_COMPONENTS	BILL_SEQUENCE_ID	Unique bill identifier.
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Inventory item number of manufactured assembly.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ALTERNATE_BOM_ DESIGNATOR	BOM_BILL_OF_ MATERIALS	ALTERNATE_ BOM_ DESIGNATOR	Alternate Bill of Materials designator code.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	
OPERATION_SEQ_NUM	BOM_ INVENTORY_ COMPONENTS	OPERATION_ SEQ_NUM	Operation sequence number.
EFFECTIVITY_DATE	BOM_ INVENTORY_ COMPONENTS	EFFECTIVITY_ DATE	Effective date.
LOCATION_NAME	MTL_ITEM_ LOCATIONS	DESCRIPTION	Supply locator name.
SUBSTITUTE_COMPONENT_ NUMBER			Not used for Bills of Material outbound transactions.
ITEM_NUM	BOM_ INVENTORY_ COMPONENTS	ITEM_NUM	Item sequence within Bill of Materials structure.
COMPONENT_QUANTITY	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ QUANTITY	Quantity of component in Bill of Materials.
COMPONENT_YIELD_FACTOR	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ YIELD_FACTOR	Multiple this factor with component quantity to obtain required component quantity.
COMPONENT_REMARKS	BOM_ INVENTORY_ COMPONENTS	COMPONENT_ REMARKS	Component remarks.
CHANGE_NOTICE	BOM_ INVENTORY_ COMPONENTS	CHANGE_ NOTICE	Engineering change order number.
IMPLEMENTATION_DATE	BOM_ INVENTORY_ COMPONENTS	IMPLEMENTATI ON_DATE	Date when engineering change order was implemented.

Document Field	Oracle Applications Table/View Name	Column Name	Description
DISABLE_DATE	BOM_ INVENTORY_ COMPONENTS	DISABLE_DATE	
PLANNING_FACTOR	BOM_ INVENTORY_ COMPONENTS	PLANNING_ FACTOR	Multiple this factor with component quantity to obtain required planning quantity.
QUANTITY_RELATED	BOM_ INVENTORY_ COMPONENTS	QUANTITY_ RELATED	Identifier to indicate if this component has quantity-related reference designators.
SO_BASIS	BOM_ INVENTORY_ COMPONENTS	SO_BASIS	Quantity basis used by Oracle Order Management to determine how many units of component to put on an order.
OPTIONAL	BOM_ INVENTORY_ COMPONENTS	OPTIONAL	Indicates whether component is optional in bill.
MUTUALLY_EXCLUSIVE_ OPTIONS	BOM_ INVENTORY_ COMPONENTS	MUTUALLY_ EXCLUSIVE_ OPTIONS	Indicates whether one or more children of the component can be picked when taking an order.
INCLUDE_IN_COST_ROLLUP	BOM_ INVENTORY_ COMPONENTS	INCLUDE_IN_ COST_ROLLUP	Indicates whether to use this component when rolling up costs.
CHECK_ATP	BOM_ INVENTORY_ COMPONENTS	CHECK_ATP	Indicates if ATP check is required.
SHIPPING_ALLOWED	BOM_ INVENTORY_ COMPONENTS	SHIPPING_ ALLOWED	Indicates if component is allowed to ship.
REQUIRED_TO_SHIP	BOM_ INVENTORY_ COMPONENTS	REQUIRED_TO_ SHIP	Indicates if component is required to ship.
REQUIRED_FOR_REVENUE	BOM_ INVENTORY_ COMPONENTS	REQUIRED_FOR _REVENUE	Indicates if component is required for revenue.

Document Field	Oracle Applications Table/View Name	Column Name	Description
INCLUDE_ON_SHIP_DOCS	BOM_INVENTORY_COMPONENTS	INCLUDE_ON_SHIP_DOCS	Indicates if component is displayed on shipping documents.
LOW_QUANTITY	BOM_INVENTORY_COMPONENTS	LOW_QUANTITY	Minimum quantity allowed on an order.
HIGH_QUANTITY	BOM_INVENTORY_COMPONENTS	HIGH_QUANTITY	Maximum quantity allowed on an order.
ACD_TYPE	BOM_INVENTORY_COMPONENTS	ACD_TYPE	Add, change, or disable code for component on an engineering change order.
REVISED_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	
REVISION	MTL_ITEM_REVISIONS	REVISION	
OLD_OPERATION_SEQ_NUM	BOM_INVENTORY_COMPONENTS	OPERATION_SEQ_NUM	Operation sequence number in the original component record that an engineering change order affects.
OLD_EFFECTIVITY_DATE	BOM_INVENTORY_COMPONENTS	EFFECTIVITY_DATE	Value of effective date in the original component record that an engineering change order affects.
WIP_SUPPLY_TYPE	BOM_INVENTORY_COMPONENTS	WIP_SUPPLY_TYPE	WIP supply type code.
SUPPLY_SUBINVENTORY	BOM_INVENTORY_COMPONENTS	SUPPLY_SUBINVENTORY	
REFERENCE_DESIGNATOR			Not used for Bills of Material outbound transactions.
NEW_OPERATION_SEQ_NUM			Not used for Bills of Material outbound transactions.
NEW_EFFECTIVITY_DATE			Not used for Bills of Material outbound transactions.

Document Field	Oracle Applications Table/View Name	Column Name	Description
BOM_ITEM_TYPE	BOM_ INVENTORY_ COMPONENTS	BOM_ITEM_ TYPE	Type of item (de-normalized from BOM Item Type in MTL_SYSTEM_ITEMS).
OPERATION_LEAD_TIME_PER CENT	BOM_ INVENTORY_ COMPONENTS	OPERATION_ LEAD_TIME_ PERCENT	Operation offset from first operation in routing.
ASSEMBLY_TYPE	BOM_BILL_OF_ MATERIALS	ASSEMBLY_ TYPE	Assembly type of the parent bill.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_ MATERIALS	DECODE (BOM.ASSEMBL Y_TYPE, 1,'BILL', 2,'ECO', NULL)	Use Bill or ECO.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
UOM	MTL_UNITS_OF _MEASURE_TL	UNIT_OF_ MEASURE	Unit of measure.
AUTO_REQUEST_MATERIAL	BOM_INVENTO RY_COMPONE NTS	AUTO_REQUES T_MATERIAL	Auto request material (Y/N).

1.2.1. BOM_SUB_COMPS

Document Field	Oracle Applications Table/View Name	Column Name	Description
SUBSTITUTE_COMP_NUMBER	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATE D_SEGMENTS	Substitute component number.
SUBSTITUTE_ITEM_QUANTITY	BOM_ SUBSTITUTE_ COMPONENTS	SUBSTITUTE_ ITEM_ QUANTITY	Substitute component quantity.
ACD_TYPE	BOM_ SUBSTITUTE_ COMPONENTS	ACD_TYPE	ADD or DELETE code on an engineering change order.
CHANGE_NOTICE	BOM_ SUBSTITUTE_ COMPONENTS	CHANGE_ NOTICE	Engineering change order number.
ORGANIZATION_NAME	HR_ALL_ ORGANIZATIO N_UNITS	NAME	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Inventory item number of manufactured assembly.
ALTERNATE_BOM_DESIGNATOR	BOM_BILL_OF_MATERIALS	ALTERNATE_BOM_DESIGNATOR	Alternate Bill of Materials designator code.
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Inventory item number of component.
OPERATION_SEQ_NUM	BOM_INVENTORY_COMPONENTS	OPERATION_SEQ_NUM	Manufacturing operation sequence number.
EFFECTIVITY_DATE	BOM_INVENTORY_COMPONENTS	EFFECTIVITY_DATE	Effective date.
NEW_SUB_COMP_NUMBER			Not used for Bills of Material outbound transactions.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_MATERIALS	DECODE (BOM ASSEMBLY_TYPE, 1,'BILL', 2,'ECO', NULL)	Inventory item type.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.
UOM	MTL_UNITS_OF_MEASURE_TL	UNIT_OF_MEASURE	Unit of measure.

1.2.2. BOM_REF_DESGS

Document Field	Oracle Applications Table/View Name	Column Name	Description
COMPONENT_REFERENCE_DESIGNATOR	BOM_REFERENCE_DESIGNATORS	COMPONENT_REFERENCE_DESIGNATOR	Component reference designator.
ORGANIZATION_NAME	HR_ALL_ORGANIZATION_UNITS	NAME	
ASSEMBLY_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	

Document Field	Oracle Applications Table/View Name	Column Name	Description
ALTERNATE_BOM_DESIGNATOR	BOM_BILL_OF_MATERIALS	ALTERNATE_BOM_DESIGNATOR	Alternate Bill of Materials identifier.
COMPONENT_ITEM_NUMBER	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	
OPERATION_SEQ_NUM	BOM_INVENTORY_COMPONENTS	OPERATION_SEQ_NUM	Manufacturing operation sequence number.
EFFECTIVITY_DATE	BOM_INVENTORY_COMPONENTS	EFFECTIVITY_DATE	Date when functionality will be enabled.
REF_DESIGNATOR_COMMENT	BOM_REFERENCE_DESIGNATORS	REF_DESIGNATOR_COMMENT	Reference designator comment.
CHANGE_NOTICE	BOM_REFERENCE_DESIGNATORS	CHANGE_NOTICE	Engineering change order number.
ACD_TYPE	BOM_REFERENCE_DESIGNATORS	ACD_TYPE	ADD or DELETE code on an engineering change order.
NEW_DESIGNATOR			Not used for Bills of Material outbound transactions.
INTERFACE_ENTITY_TYPE	BOM_BILL_OF_MATERIALS	DECODE (BOM.ASSEMBLY_TYPE, 1,'BILL', 2,'ECO', NULL)	Use Bill or ECO.
TRANSACTION_TYPE			Not used for Bills of Material outbound transactions.

Order Management Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Order Management package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter lists the transactions in alphabetical order.

Oracle Applications Module	Predefined Transactions
Advanced Pricing	■ "Query Price Request" on page 446
Order Management	■ "Query Sales Order Service" on page 462
	■ "Receive Pick Confirm Service" on page 464
	■ "Receive Sales Order Service" on page 466
	■ "Send Sales Order Service" on page 516
Shipping	■ "Query Advanced Shipping Notice Service" on page 443
	■ "Query Pick Detail Service" on page 445
	■ "Send Advance Shipping Notice Service" on page 498
	■ "Send Pick Detail Service" on page 508

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Query Advanced Shipping Notice Service

The name of this service is:

WmOAOMG1159.shipping1159.queryOA.ASN:queryASN

This service queries for advanced shipping notices. Advanced Shipping Notice/Departure Shipping Notice (ASN/DSNO) automatically runs when there is confirmation of a shipment delivery for a sales order. The DSNO generates when delivery is ship-confirmed.

You can use the following parameters to query for DSNO data:

- CUSTOMER_NAME: Name of the customer who placed the sales order

- CUSTOMER_NUMBER: Unique identifier for the customer

- ORGANIZATION_NAME

- ORDER_NUMBER: Unique number assigned to the order when creating it

- ORDER_DATE_FROM: Beginning date when the order was placed

- ORDER_DATE_TO: Ending date when the order was placed

- SHIP_SET_NAME: Line shipment set name

- LINE_ACTUAL_SHIP_DATE_FROM: Beginning actual shipment date of the order line

- LINE_ACTUAL_SHIP_DATE_TO: Ending actual shipment date of the order line

- LINE_SCHEDULED_SHIP_DATE_FROM: Beginning scheduled shipment date of the order line

- LINE_SCHEDULED_SHIP_DATE_TO: Ending scheduled shipment date of the order line

- LINE_PROMISE_DATE_FROM: Beginning promised shipment date of the order line

- LINE_PROMISE_DATE_TO: Ending promised shipment date of the order line

- LINE_REQUEST_DATE_FROM: Beginning requested shipment date of the order line item

- LINE_REQUEST_DATE_TO: Ending requested shipment date of the order line item

While configuring the Query Advanced Shipping Notice service, a java.outOfMemory error can occur since the service generation API executes the query against the database. One workaround is to use a restricting condition in the query, that is, rownum = 1, so that the service configures successfully. After you configure this service, remove the restricting condition from your transaction definitions. You must also update the SQLOut

parameters of the service's transactionRecord in the webMethods Developer and remove the restricting condition. (In this example, remove the rownum = 1 condition.)

Database Scripts

This service uses the same database scripts as the Send Advanced Shipping Notice service.

> Note: If you use this service but you do *not* use the Send Advanced Shipping Notice service, you should run the wm_disable_from_shipnotice.sql script to disable the triggers installed by the Send Advanced Shipping Notice service.

For a detailed description of these database scripts, see "Send Advance Shipping Notice Service" on page 498. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryASNTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **queryASNTxn** queries for any Advanced Shipping Notice information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Advanced Shipping Notice service. For a detailed description of the business document structure, see "Send Advance Shipping Notice Service" on page 498.

Query Pick Detail Service

The name of this service is:

WmOAOMG1159.shipping1159.queryOA.pickDetail:queryPickDetail

This service queries for information about the inventory transfer when the item moves from one location to another.Use the Query Pick Detail service to retrieve the pick details based on the following parameters:

■ PICKING_RULE_NAME: The rule used by Pick Wave Move orders to locate the material required to fulfill the move order line

■ SCHEDULED_SHIP_DATE_FROM

■ SCHEDULED_SHIP_DATE_TO

■ MOVE_ORDER_NUMBER: The order number assigned when the order is created

■ MOVE_ORDER_TYPE_NAME: The Move order source type such as Requisitions, Replenishment, and Pick Wave.

■ FROM_ORGANIZATION_NAME: The organization from which the picking was executed.

Database Scripts

This service uses the same database script as the Send Pick Detail service.:

Note: If you use this service but you do *not* use the Send Pick Detail service, you should run the wm_disable_from_pickdetails.sql script to disable the triggers installed by the Send Pick Detail service.

For a detailed description of these database scripts, see "Send Pick Detail Service" on page 508. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definitions:

■ queryPickDetailTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **queryPickDetailTxn** queries the Oracle Applications database for any Pick Detail information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Pick Detail service. For a detailed description of the business document structure, see "Send Pick Detail Service" on page 508.

Query Price Request

The name of this service is:

WmOAOMG1159.advancedPricing1159.queryOA.priceRequest:queryPriceRequest

This service notifies and delivers purchase order (PO) changes. You can use the Query Price Request service to retrieve all new or changed approved POs. Since you cannot delete POs, the document status of DELETE does not apply.

The Oracle Applications Advanced Pricing Price Request Application Program Interface (API) is a public API that gets a base price and applies price adjustments, other benefits, and charges to a transaction.

Oracle Applications products request this service to price calculations. You can also request it from custom applications and legacy systems.

A pricing request consists of numerous price request lines, which mirror the transaction lines of the calling application, and can include a transaction header request line. Since it is PL/SQL based, the pricing request processes one pricing request per call.

To properly use the Price Request Application Program Interface, use all lines that need prices and that the pricing engine needs as part of the pricing request. For example, you freeze the price of one order line. If you include this line in the pricing request, the pricing engine might still be able to use the quantity on that line used to qualify the order to receive another discount based on quantities across multiple lines.

- Search engine: Uses qualifiers and pricing attributes passed from the calling application to select the price list lines and the modifier list lines that can apply to the

pricing request. As part of this process, the search engine uses rules of eligibility, incompatibility, exclusivity, and precedence.

For each pricing phase the search engine executes the following functions:

- Selects eligible price list lines and modifier list lines using predefined pricing rules.

- Resolves incompatibilities among eligible benefits.

- Applies the eligible benefits to the pricing request.

- Calculation engine: For each pricing request line and its associated pricing request line details, it calculates the base price, adjusted price, and extended price.

You can call one or both of the engines by setting the calculate flag on the control record.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_priceRequest.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_priceRequest_tbl.sql	Creates the required tables: ■ WM_LINE_TBL ■ WM_QUAL_TBL ■ WM_LINE_ATTR_TBL ■ WM_LINE_DETAIL_TBL ■ WM_LINE_DETAIL_QUAL_TBL ■ WM_LINE_DETAIL_ATTR_TBL ■ WM_RELATED_LINES_TBL

Database Script	Description
wm_from_priceRequest_syn.sql	Creates the required synonyms: ■ WM_LINE_TBL ■ WM_QUAL_TBL ■ WM_LINE_ATTR_TBL ■ WM_LINE_DETAIL_TBL ■ WM_LINE_DETAIL_QUAL_TBL ■ WM_LINE_DETAIL_ATTR_TBL ■ WM_RELATED_LINES_TBL
wm_into_priceRequest_pkg.sql	Script to create the package procedures: ■ Wm_Price_Request_Api ■ Wm_Price_Request_del
wm_drop_from_priceRequest.sql	Uninstalls all components created by wm_install_from_priceRequest.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definitions:

■ queryPriceRequestTxn1159.txp

■ setPriceRequestTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming price request query parameters to the custom table structure required for the Price Request API. This service uses the following services internally to provide required the data feed during the mapping.

- **convertToDateObject** is a transformer in the business document mapping. It converts the text date format into object date format.

- **setPriceRequestTxn** inserts data into the price request custom tables. It takes IData structure data from the business document mapping service.

- **execPriceRequestConcProg** queries price request data based on query parameters provided and then inserts results into the custom Price Request tables.

- **queryPriceRequestTxn** queries the custom price request tables and returns the results as a business document sent to the trading partner.

- **purgePriceRequestData**. After the business document structure is formed, the custom Price Request tables purge.

For more details on query services, see .

Business Document Structure

The structure of priceRequestBizDoc is as follows

- 1.0 REQUEST_LINES
    - 1.1 LINE_QUALIFIERS
    - 1.2 LINE_PRICING_ATTRIBUTES
    - 1.3 LINE_RELATIONS

The structure of priceRequestOutput is as follows:

- 1.0 REQUEST_LINES
    - 1.1 LINE_QUALIFIERS
    - 1.2 LINE_PRICING_ATTRIBUTES
    - 1.3 LINE_RELATIONS

- 1.4 LINE_DETAILS
  - 1.4.1 **DETAIL_QUALIFIERS
  - 1.4.2 **DETAIL_PRICING_ATTRIBUTES

**Some services use the same field names and column mappings as follows:

For These Documents...	Use the following table:
■ 1.4.1 DETAIL_QUALIFIERS	"1.1 LINE_QUALIFIERS" on page 454.
■ 1.4.2 DETAIL_PRICING_ATTRIBUTES	"1.2 LINE_PRICING_ATTRIBUTES (If Input, Maps to WM_LINE_TBL))" on page 455.

1.0 REQUEST_LINES

Document Field	In/Out	Oracle Applications Table/View	Column Name	Description
REQUEST_TYPE_CODE	In/Out	WM_LINE_TBL	REQUEST_TYPE_CODE	The transaction system that is making the pricing request. An example is ONT for Order Management Order.
HEADER_ID	In/Out	WM_LINE_TBL	HEADER_ID	Unique identifier of the request header in the calling application.
LINE_INDEX	In/Out	WM_LINE_TBL	LINE_INDEX	PL/SQL unique identifier for request line.
LINE_ID	In/Out	WM_LINE_TBL	LINE_ID	Unique identifier of the request line in the calling application.
LINE_TYPE_CODE	In/Out	WM_LINE_TBL	LINE_TYPE_CODE	Type of line within the request. Use ORDER or LINE.
PRICING_EFFECTIVE_DATE	In/Out	WM_LINE_TBL	PRICING_EFFECTIVE_DATE	Date for which the pricing engine calculates the prices.
ACTIVE_DATE_FIRST	In/Out	WM_LINE_TBL	ACTIVE_DATE_FIRST	Other than the pricing effective date, you can specify Ordered Date or Ship Date for the pricing engine used to qualify pricing entities.

Document Field	In/Out	Oracle Applications Table/View	Column Name	Description
ACTIVE_DATE_FIRST _TYPE	In/Out	WM_LINE_TBL	ACTIVE_DATE_ FIRST_TYPE	The date type of ACTIVE_DATE_FIRST based on lookup type EFFECTIVE_DATE_TYPES. Examples are NO TYPE, ORD, or SHIP.
ACTIVE_DATE_ SECOND	In/Out	WM_LINE_TBL	ACTIVE_DATE_ SECOND	Other than the pricing effective date, you can specify Ordered Date or Ship Date for the pricing engine used to qualify pricing entities.
ACTIVE_DATE_ SECOND_TYPE	In/Out	WM_LINE_TBL	ACTIVE_DATE_ SECOND_TYPE	The date type of ACTIVE_DATE_FIRST based on lookup type EFFECTIVE_DATE_TYPES. Examples are NO TYPE, ORD, or SHIP.
LINE_QUANTITY	In/Out	WM_LINE_TBL	LINE_ QUANTITY	Pricing request line quantity,
LINE_UOM_CODE	In/Out	WM_LINE_TBL	LINE_UOM_ CODE	Pricing request line unit of measure,
UOM_QUANTITY	In/Out	WM_LINE_TBL	UOM_ QUANTITY	Unit of measure quantity. For example, in service pricing, LINE_UOM_CODE is Months and UOM_QUANTITY is 2. Use this field for service item pricing.
PRICED_QUANTITY	Out	WM_LINE_TBL	PRICED_ QUANTITY	Quantity of pricing request line that the pricing engine has priced.
PRICED_UOM_CODE	Out	WM_LINE_TBL	PRICED_UOM_ CODE	Unit of measure that the pricing engine used.
CURRENCY_CODE	Out	WM_LINE_TBL	CURRENCY_ CODE	Currency that the pricing engine used.
UNIT_PRICE	Out	WM_LINE_TBL	UNIT_PRICE	Base price of the item.
PERCENT_PRICE	Out	WM_LINE_TBL	PERCENT_ PRICE	Price calculated as a percentage of another item's price.

Document Field	In/Out	Oracle Applications Table/View	Column Name	Description
ADJUSTED_UNIT_ PRICE	Out	WM_LINE_TBL	ADJUSTED_ UNIT_PRICE	Price per unit after the pricing engine applies discounts and surcharges.
PARENT_PRICE	Out	WM_LINE_TBL	PARENT_PRICE	
PARENT_QUANTITY	Out	WM_LINE_TBL	PARENT_ QUANTITY	
ROUNDING_FACTOR	In/Out	WM_LINE_TBL	ROUNDING_ FACTOR	If ROUNDING_FLAG = Y and the pricing event excludes the base price phase, the pricing engine will use this rounding factor.
PARENT_UOM_CODE	Out	WM_LINE_TBL	PARENT_UOM_ CODE	Unit of measure for the related item when the pricing engine determines the price of an item from another item's price.
PRICING_PHASE_ID	In	WM_LINE_TBL	PRICING_ PHASE_ID	Not used.
PRICE_FLAG	In/Out	WM_LINE_TBL	PRICE_FLAG	Indicates the degree to which the price is frozen. Valid values are based on lookup type CALCULATE_PRICE_FLAG. Use: ■ Y (Calculate Price) to apply all prices and modifiers to the request line. ■ N (Freeze Price. Do not apply any prices or modifiers to the request line. Consider the volume of the request line when processing LINEGROUP modifiers for other lines. ■ P (Partial Price) to apply prices and modifiers in phases whose freeze override flag is Y.

Document Field	In/Out	Oracle Applications Table/View	Column Name	Description
PROCESSED_CODE	Out	WM_LINE_TBL	PROCESSED_ CODE	Internal code that indicates the stage of engine processing when an error occurred.
STATUS_CODE	In/Out	WM_LINE_TBL	STATUS_CODE	Returned status. Use: ■ N for new record created. Records are successful and returned from the pricing engine. ■ X for unchanged. Default status when the line is passed to the pricing engine for processing) ■ U for Updated. ■ IPL (Invalid price list) for If the passed-in price list is not found, then an error is given. ■ GSA for GSA violation. ■ FER for error processing formula. ■ OER for other error. ■ CALC for Error in calculation engine. ■ UOM for Failed to price using unit of measure ■ INVALID_UOM for Invalid unit of measure. ■ DUPLICATE_PRICE_LIST for duplicate price list. ■ INVALID_UOM_CONV for Unit of measure conversion not found.

Document Field	In/Out	Oracle Applications Table/View	Column Name	Description
				■ INVALID_INCOMP for could not resolve incompatibility. ■ INVALID_BEST_PRICE for could not resolve best price.
STATUS_TEXT	Out	WM_LINE_TBL	STATUS_TEXT	Returned message.

1.1 LINE_QUALIFIERS

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
LINE_INDEX	In/Out	WM_QUAL_TBL	LINE_INDEX	Unique identifier for request line or request line detail.
QUALIFIER_CONTEXT	In/Out	WM_QUAL_TBL	QUALIFIER_CONTEXT	Context for qualifier. Example: CUSTOMER: Customer.
QUALIFIER_ATTRIBUTE	In/Out	WM_QUAL_TBL	QUALIFIER_ATTRIBUTE	For example, QUALIFIER_ATTRIBUTE2: Customer Name.
QUALIFIER_ATTR_VALUE_FROM	In/Out	WM_QUAL_TBL	QUALIFIER_ATTR_VALUE_FROM	Value for qualifier attribute. Example: Use Customer ID if QUALIFIER_CONTEXT is CUSTOMER and QUALIFIER_ATTRIBUTE is QUALIFIER_ATTRIBUTE2.
QUALIFIER_ATTR_VALUE_TO	Out	WM_QUAL_TBL	QUALIFIER_ATTR_VALUE_TO	Return value for qualifier attribute. Populated when the pricing engine returns details of a volume break.
COMPARISON_OPERATOR_CODE	Out	WM_QUAL_TBL	COMPARISON_OPERATOR_CODE	The pricing engine creates qualifier attributes to indicate to the calling application which qualifier attribute is beneficial. Example: Order Amount > 1000 currency units (where > is the operator code).

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
VALIDATED_FLAG	In/Out	WM_QUAL_TBL	VALIDATED_FLAG	Indicates that a price list or modifier list is valid for the pricing request. Applicable to price list and modifier list qualifiers; the pricing engine assumes that other qualifiers are valid.
STATUS_CODE	In/Out	WM_QUAL_TBL	STATUS_CODE	Return status.
STATUS_TEXT	Out	WM_QUAL_TBL	STATUS_TEXT	Return message.

1.2 LINE_PRICING_ATTRIBUTES (If Input, Maps to WM_LINE_TBL)

Field Name	In/Out	Oracle Applications Table/View Name	Column Name	Description
LINE_INDEX	In/Out	WM_LINE_ATTR_TBL	LINE_INDEX	Unique identifier for request line or request line detail.
PRICING_CONTEXT	In/Out	WM_LINE_ATTR_TBL	PRICING_CONTEXT	Context for a product or pricing attribute. An example is Product Hierarchy.
PRICING_ATTRIBUTE	In/Out	WM_LINE_ATTR_TBL	PRICING_ATTRIBUTE	Product or pricing attribute. An example is PRICING_ATTRIBUTE11: Customer Item ID.
PRICING_ATTR_VALUE_FROM	In/Out	WM_LINE_ATTR_TBL	PRICING_ATTR_VALUE_FROM	Value for product or pricing attribute.
PRICING_ATTR_VALUE_TO	Out	WM_LINE_ATTR_TBL	PRICING_ATTR_VALUE_TO	Return value for pricing attribute. Populated when the pricing engine returns details of a volume break.
VALIDATED_FLAG		WM_LINE_ATTR_TBL	VALIDATED_FLAG	Not used
STATUS_CODE	In/Out	WM_LINE_ATTR_TBL	STATUS_CODE	Return status.
STATUS_TEXT	Out	WM_LINE_ATTR_TBL	STATUS_TEXT	Return message.

1.3 LINE_RELATIONS (If Input, Maps to WM_RELATED_LINES_TBL)

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
LINE_INDEX	In/Out	WM_RELATED_ LINES_TBL	LINE_INDEX	PL/SQL unique identifier for request line.
RELATIONSHIP_ TYPE_CODE	In/Out	WM_RELATED_ LINES_TBL	RELATIONSHIP _TYPE_CODE	Type of relationship between pricing lines.
RELATED_LINE_ INDEX	In/Out	WM_RELATED_ LINES_TBL	RELATED_LINE _INDEX	PL/SQL identifier for related request line.
STATUS_CODE	Out	WM_RELATED_ LINES_TBL	STATUS_CODE	Return status code.
STATUS_TEXT	Out	WM_RELATED_ LINES_TBL	STATUS_TEXT	Return status text.

1.4 LINE_DETAILS

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
LINE_DETAIL_INDEX	Out	WM_LINE_ DETAIL_TBL	LINE_DETAIL_ INDEX	PL/SQL unique identifier.
LINE_DETAIL_ID		WM_LINE_ DETAIL_TBL	LINE_DETAIL_ ID	Not used.
LINE_DETAIL_TYPE_ CODE	Out	WM_LINE_ DETAIL_TBL	LINE_DETAIL_ TYPE_CODE	
LINE_INDEX	In/Out	WM_LINE_ DETAIL_TBL	LINE_INDEX	Identifier for parent request line.
LIST_HEADER_ID	Out	WM_LINE_ DETAIL_TBL	LIST_HEADER_ ID	Identifier of the list header that creates or updates the pricing line.
LIST_LINE_ID	Out	WM_LINE_ DETAIL_TBL	LIST_LINE_ID	Identifier of the list line that creates or updates the pricing line.
LIST_LINE_TYPE_CO DE	Out	WM_LINE_ DETAIL_TBL	LIST_LINE_ TYPE_CODE	Line type of the list line that updates the pricing line. Valid values are in the lookup type LIST_LINE_TYPE_CODE from qp_lookups table.

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
SUBSTITUTION_ TYPE_CODE		WM_LINE_ DETAIL_TBL	SUBSTITUTION _TYPE_CODE	Not used.
SUBSTITUTION_FRO M		WM_LINE_ DETAIL_TBL	SUBSTITUTION _FROM	Not used.
SUBSTITUTION_TO		WM_LINE_ DETAIL_TBL	SUBSTITUTION _TO	Value for terms substitution attribute. Not used.
AUTOMATIC_FLAG	Out	WM_LINE_ DETAIL_TBL	AUTOMATIC_ FLAG	Indicates if the pricing engine should automatically apply the request line detail to the request line. The engine derives the value from the list line.
OPERAND_ CALCULATION_ CODE	Out	WM_LINE_ DETAIL_TBL	OPERAND_ CALCULATION _CODE	Type of operand. Use: Adjustment Percent for discounts Adjustment Amount for discounts Adjustment New Price for discounts UNIT_PRICE for price lists PERCENT_PRICE for price lists
OPERAND_VALUE	Out	WM_LINE_ DETAIL_TBL	OPERAND_ VALUE	Value of pricing request detail line. An example is 10 currency unit list price with 3 per cent discount.
PRICING_GROUP_ SEQUENCE	Out	WM_LINE_ DETAIL_TBL	PRICING_ GROUP_ SEQUENCE	Indicates the pricing bucket in which the pricing engine applied this list line.
PRICE_BREAK_TYPE_ CODE	Out	WM_LINE_ DETAIL_TBL	PRICE_BREAK_ TYPE_CODE	Based on lookup type PRICE_BREAK_TYPE_ CODE. Valid values are POINT, RANGE, and RECURRING.

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
CREATED_FROM _LIST_TYPE_CODE	Out	WM_LINE_ DETAIL_TBL	CREATED_ FROM_LIST_ YPE_CODE	List type that creates or updates the pricing line. Use values in the lookup_type LIST_TYPE_CODE from the qp_lookups table.
PRICING_PHASE_ID	Out	WM_LINE_ DETAIL_TBL	PRICING_ PHASE_ID	The pricing phase that created the request line detail.
LIST_PRICE		WM_LINE_ DETAIL_TBL	LIST_PRICE	Not used.
LINE_QUANTITY	Out	WM_LINE_ DETAIL_TBL	LINE_ QUANTITY	Quantity on the price break line. This field is used if the pricing engine derived the value of either the request line or the request line detail from a price break. This field is used to indicate that this particular break line was used in the calculation.
ADJUSTMENT_ AMOUNT	Out	WM_LINE_ DETAIL_TBL	ADJUSTMENT_ AMOUNT	The value of the bucketed adjusted amount for line types such as PLL, DIS, and SUR. For price break (PBH) child lines, the field is populated if the pricing engine derived the value of the request line or request line detail from a price break.
APPLIED_FLAG	Out	WM_LINE_ DETAIL_TBL	APPLIED_FLAG	The lists or list lines that this pricing event or a prior pricing event applied. Use: ■ Yes: if the attribute context is a list or list line ■ No: if the attribute context is a list or list line ■ Null
MODIFIER_LEVEL_C ODE	Out	WM_LINE_ ETAIL_TBL	MODIFIER_ LEVEL_CODE	The level for the list line that qualified for the transaction. Based on lookup type MODIFIER_LEVEL_CODE.

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
STATUS_CODE	Out	WM_LINE_ DETAIL_TBL	STATUS_CODE	Returned status. Use the value N for New Record Created that returns all new records from the pricing engine as successful.
STATUS_TEXT	Out	WM_LINE_ DETAIL_TBL	STATUS_TEXT	Returned message.
SUBSTITUTION_ ATTRIBUTE	Out	WM_LINE_ DETAIL_TBL	SUBSTITUTION _ATTRIBUTE	Modifier details. The attribute in the TERMS context that the pricing engine substituted. An example is Payment Terms for Term Substitution-type modifiers.
ACCRUAL_FLAG	Out	WM_LINE_ DETAIL_TBL	ACCRUAL_ FLAG	Indicates whether the discount is an accrual.
LIST_LINE_NO	Out	WM_LINE_ DETAIL_TBL	LIST_LINE_ NO	Modifier number. This field applies when there is a Coupon Issue type of modifier line.
ESTIM_GL_VALUE	Out	WM_LINE_ DETAIL_TBL	ESTIM_GL_ VALUE	The discount or surcharge value of the modifier. Estimates the discount cost for non-monetary modifiers.
ACCRUAL_ CONVERSION_RATE	Out	WM_LINE_ DETAIL_TBL	ACCRUAL_ CONVERSION_ RATE	The rate to convert a non-monetary accrual to a monetary value.
OVERRIDE_FLAG	Out	WM_LINE_ DETAIL_TBL	OVERRIDE_ FLAG	Indicates whether a user in the calling application can override the modifier value.
PRINT_ON_INVOICE_ FLAG		WM_LINE_ DETAIL_TBL	PRINT_ON_ INVOICE_FLAG	Not used.
INVENTORY_ITEM_ ID	Out	WM_LINE_ DETAIL_TBL	INVENTORY_ ITEM_ID	Inventory item identifier in an item relationship. For list line type Item Upgrade.
ORGANIZATION_ID	Out	WM_LINE_ DETAIL_TBL	ORGANIZATIO N_ID	Organization identifier in an item relationship. For list line type Item Upgrade.

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
RELATED_ITEM_ID	Out	WM_LINE_ DETAIL_TBL	RELATED_ ITEM_ID	Related inventory item identifier in an item relationship. For list line type Item Upgrade.
RELATIONSHIP_TYPE _ID	Out	WM_LINE_DET AIL_TBL	RELATIONSHIP _TYPE_ID	Relationship type identifier in an item relationship. For list line type Item Upgrade.
ESTIM_ACCRUAL_ RATE	Out	WM_LINE_ DETAIL_TBL	ESTIM_ ACCRUAL_RAT E	Indicates the percentage to accrue and the expected rate of redemption of a coupon. The liability is ACCRUAL OR COUPON VALUE ESTIM_ ACCRUAL_RATE. Default value: 100.
EXPIRATION_DATE	Out	WM_LINE_ DETAIL_TBL	EXPIRATION_ DATE	The expiration date of the accrual or coupon.
BENEFIT_PRICE_LIST _LINE_ID	Out	WM_LINE_ DETAIL_TBL	BENEFIT_PRICE _LIST_LINE_ID	The list price before promotional discount. For Promotional Goods-type modifiers when the pricing engine creates a new transaction line.
RECURRING_FLAG		WM_LINE_ DETAIL_TBL	RECURRING_ FLAG	Not used.
BENEFIT_LIMIT		WM_LINE_ DETAIL_TBL	BENEFIT_LIMIT	Not used.
CHARGE_TYPE_ CODE	Out	WM_LINE_ DETAIL_TBL	CHARGE_TYPE _CODE	Indicates the type of charge based on lookup type FREIGHT_CHARGES_TYPE. Used for Freight or Special Charge-type modifiers.
CHARGE_SUBTYPE_C ODE	Out	WM_LINE_ DETAIL_TBL	CHARGE_ SUBTYPE_CODE	Indicates the type of charge based on lookup type CHARGE_TYPE_CODE.

Document Field	In/Out	Oracle Applications Table/View Name	Column Name	Description
INCLUDE_ON_RETURNS_FLAG	Out	WM_LINE_DETAIL_TBL	INCLUDE_ON_RETURNS_FLAG	Indicates whether the pricing engine should include the charge on a return transaction. For Freight or Special Charge-type modifiers.
BENEFIT_QTY	Out	WM_LINE_DETAIL_TBL	BENEFIT_QTY	The accrual quantity for non-monetary accruals or item quantity for promotional goods.
BENEFIT_UOM_CODE	Out	WM_LINE_DETAIL_TBL	BENEFIT_UOM_CODE	The accrual unit of measure for non-monetary accruals or item unit of measure for promotional goods.
PRORATION_TYPE_CODE		WM_LINE_DETAIL_TBL	PRORATION_TYPE_CODE	Not used.
SOURCE_SYSTEM_CODE		WM_LINE_DETAIL_TBL	SOURCE_SYSTEM_CODE	Not used.
REBATE_TRANSACTION_TYPE_CODE		WM_LINE_DETAIL_TBL	REBATE_TRANSACTION_TYPE_CODE	Not used.
SECONDARY_PRICELIST_IND	Out	WM_LINE_DETAIL_TBL	SECONDARY_PRICELIST_IND	Indicates that the pricing used a secondary price list instead of the calling application's price list.

Query Sales Order Service

The name of this service is:

WmOAOMG1159.orderManagement1159.queryOA.salesOrder:querySalesOrder

This service queries for new, changed, and deleted booked sales orders.

You can use the following parameters to query sales orders:

- CUSTOMER_NAME
- ORDER_NUMBER
- ORDER_TYPE
- ORGANIZATION_NAME
- SHIP_TO_ADDRESS (1-4)
- SHIP_TO_CITY
- SHIP_TO_COUNTY
- SHIP_TO_POSTAL_CODE
- SHIP_TO_PROVINCE
- SHIP_TO_COUNTRY
- INVOICE_ADDRESS (1-4)
- INVOICE_CITY
- INVOICE_COUNTY
- INVOICE_POSTAL_CODE
- INVOICE_PROVINCE_INT
- INVOICE_COUNTRY
- PRICE_LIST

Database Scripts

This service uses the same database script as the Send Sales Order service.

> **Note**: If you use this service but you do *not* use the Send Sales Order service, you should run the wm_disable_from_salesorder.sql script to disable the triggers installed by the Send Sales Order service.

For a detailed description of these database scripts, see "Send Sales Order Service" on page 516. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ querySalesOrderTxn1159.txp

Flow Control

The main flow executes as follows:

■ **querySalesOrderTxn**: queries Sales Order information matching the parameter values. The parameters are defined as the input to this service.

For more details on query services, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Sales Order service. For a detailed description of the business document structure, see "Send Sales Order Service" on page 516.

Receive Pick Confirm Service

The name of this service is:

WmOAOMG1159.orderManagement1159.intoOA.pickConfirm:receivePickConfirm

This service imports pick confirmations on Move Order Line Detail records. The Oracle Applications Pick Confirm API will not process any unmatched Move Order Line records.

The data elements in the Pick Confirm business document is queries for matching Move Order Lines from Oracle Applications. One record in the business document may result in multiple Move Order Lines. Each Move Order Line will be Pick Confirmed. The data elements in the Move Order Lines should be the same as those in the Pick Confirm.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_pickconfirm.sql	Runs the scripts listed below, except the uninstall script.
wm_into_pickconfirm_pkg.sql	Installs WM_PICKCONFIRM_HANDLER_PKG. WM_PICK_CONFIRM_API, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the pick confirmation import process.
wm_drop_into_pickconfirm.sql	Uninstalls all components created by wm_install_into_pickconfirm.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■   pickConfirmTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **bizDocMapping** uses the incoming business data structure (PickConfirmBizDoc) to query matching Move Order Lines, loads them to IData structure (PickConfirmRecordSet) that are then required to be fed to Pick Confirm APIs. In the process, it also builds up another IData structure (PickConfirmResults), which holds records from the incoming business data structure that did not result in any Move Order Lines.

- **importPickConfirm** loops over the PickConfirmRecordSet created in the bizDocMapping and invokes the execPickConfirmConcProg for each record to execute the Pick Confirm API. The success/failure of API is tracked in PickConfirmResults IData structure.

  - **execPickConfirmConcProg** calls the underlying Pick Confirm API with the set of parameters from PickConfirmRecordSet, and returns the V_ERRMSG, V_STATUS and O_ERRORMSG to provide the status of the execution, with other attributes identifying the Move Order Line.

For more details about receive transactions, see .

Business Document Structure

This business document structure is PickConfirmBizDoc. Its structure is as follows:

- PICK_CONFIRM

PICK_CONFIRM

Field Name	Description
MOVE_ORDER_NUMBER	
INVENTORY_ITEM_CODE	
ITEM_REVISION_NUMBER	
TRANSACTION_TYPE	
MOVE_ORDER_TYPE_NAME	
PROJECT_NAME	
TASK_NAME	

Field Name	Description
ORGANIZATION_NAME	Organization name from which the material transaction originates.
SOURCE_SUBINVENTORY	Subinventory code from which material transfer initiated.
SOURCE_LOCATOR	Subinventory locator identifier from which the material transaction takes place.
DESTINATION_SUBINVENTORY	Subinventory code to which material transfer initiated.
DESTINATION_LOCATOR	Subinventory locator identifier to which the material transaction takes place.
PICK_SLIP_NUMBER	Pick slip number for the Move Order line.
SALES_ORDER_NUM	Sales order number for the Move Order Line.
LOT_NUMBER	Source subinventory lot number.

Receive Sales Order Service

The name of this service is:

WmOAOMG1159.orderManagement1159.intoOA.salesOrder:receiveSalesOrder

Sales Order Import is an Order Management Open Interface that consists of open interface tables and provides a set of APIs. Order Import can import new, changed, and completed sales orders or returns from other applications, such as a legacy system. Orders may come from any source such as EDI transactions processed by the Oracle e-Commerce Gateway, or internal orders created for internal requisitions developed in Oracle Purchasing or returns.

Order Import features include validation and defaulting, processing constraint checks, applying and releasing order holds, and scheduling shipments to insert, update, or delete the orders in the base Order Management tables. Order Management checks all the data during the import process to ensure its validity within Order Management. Valid transactions convert into orders with lines, reservations, price adjustments, and sales credits in the base Order Management tables.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_salesorder.sql	Runs the scripts listed below, except the uninstall script.
wm_into_salesorder_pkg.sql	Installs WM_ORDER_IMP_HANDLER_PKG.WM_HANDLE_ORDER_IMPORT, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the sales order import process.
wm_drop_into_salesorder.sql	Uninstalls all components created by wm_install_into_salesorder.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setSalesOrderTxn1159.txp

- SalesOrderTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (interface tables).

  - **getInventoryItemId** is a transformer for mapping the incoming business document to the interface table structure. This service selects the inventory item ID from Organization name and item code.

- **getATOLineId** is a transformer for mapping the business document to the interface IData structure. It takes ATO_LINE_REF as the input parameter and returns ATO_LINE_ID.

- **getBillToSiteUseId** is a transformer for mapping the business document to the interface IData structure. It takes Address details for 'Bill To' as the input parameter and returns SITE_USE_ID.

- **getCustomerTrxLineId** is a transformer for mapping the business document to the interface IData structure. It takes CREDIT_INVOICE_NUMBER and ORGANIZATION_NAME as the input parameter and returns CUSTOMER_TRX_LINE_ID.

- **getDeliveryId** is a transformer for mapping the business document to the interface IData structure. It takes DELIVERY_NAME as the input parameter and returns DELIVERY_ID.

- **getDiscountId** is a transformer for mapping the business document to the interface IData structure. It takes DISCOUNT_NAME as the input parameter and returns DISCOUNT_ID.

- **getFreightCostId** is a transformer for mapping the business document to the interface IData structure. It takes COST_TYPE, COST_UNIT_AMOUNT, COST_QUANTITY, COST_AMOUNT, CURRENCY_CODE, and FREIGHT_CODE as the input parameter and returns FREIGHT_COST_ID.

- **getHoldId** is a transformer for mapping the business document to the interface IData structure. It takes HOLD_NAME as the input parameter and returns HOLD_ID.

- **getLineTypeId** is a transformer for mapping the business document to the interface IData structure. It takes LINE_TYPE as the input parameter and returns LINE_TYPE_ID.

- **getListHeaderAndLineId** is a transformer for mapping the business document to the interface Idata structure. It takes LIST_LINE_NUMBER as the input parameter and returns LIST_HEADER_ID and LIST_LINE_ID.

- **getOrderSourceId** is a transformer for mapping the business document to the interface IData structure. It takes ORDER_SOURCE as the input parameter and returns ORDER_SOURCE_ID.

- **getOrderTypeId** is a transformer for mapping the business document to the interface IData structure. It takes TRANSACTION_TYPE_NAME as the input parameter and returns TRANSACTION_TYPE_ID.

- **getParentAdjustmentId** is a transformer for mapping the business document to the interface IData structure. It takes ORIG_SYS_DOCUMNET_REF, ORIG_SYS_LINE_REF, and ADJUSTMENT_NAME as the input parameter and returns PARENT_ADJUSTMENT_ID.

- **getPricingPhaseId** is a transformer for mapping the business document to the interface IData structure. It takes NAME as the input parameter and returns PRICING_PHASE_ID.

- **getSalesRepId** is a transformer for mapping the business document to the interface IData structure. It takes SALESREP_NAME as the input parameter and returns SALESREP_ID.

- **getShipToSiteUseId** is a transformer for mapping the business document to the interface IData structure. It takes Address details for Ship To as the input parameter and returns SITE_USE_ID.

- **getSplitFromLineId** is a transformer for mapping the business document to the interface IData structure. It takes SPLIT_LINE_LINE_REF as the input parameter and returns SPLIT_FROM_LINE_ID.

- **convertToDateObject** returns the outDate as a date object corresponding to the supplied inDate which is in text format. This service is a transformer in bizDocMapping.

- **getOASystemDateObject** returns the Oracle Applications System Date in DD-MM-YYYY format.

- **getLocatorId** is a transformer for mapping the business document to the interface IData structure. This service takes the LOCATOR and ORGANIZATION_NAME as the input parameters and returns the INVENTORY_LOCATION_ID.

- **getOracleAppsUserId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORACLE_APPS_USER_NAME as the input parameter from the business document, and queries the table FND_USER to get the USER_ID. The USER_ID information is required for insertion into the interface tables.

- **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter and queries the table ORG_ORGANIZATION_DEFINITIONS to get the ORGANIZATION_ID.

- **setSalesOrderTxn** inserts data into the interface table. It extracts data form the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for Sales Order.

- **importSalesOrder** imports data to the production table from the interface table. This then calls the execSalesOrderConcProg, checkSalesOrderImportStatus, and getSalesOrderImport_ERR services to execute the corresponding concurrent program that inserts data into the production table to generate the error/ acknowledgement message. If the status of the execution is SUCCESS (returned by the service execSalesOrderConcProg), it checks for the record that has the returned request ID in the error interface table. If there are any errors, it specifies an error during the import process. In this case, this service calls getSalesOrderImport_ERR to retrieve the errors. If no record is found, it executes out of flow and processes the data import

successfully. If the status of the execution is FAILED it returns the appropriate error message and discontinues execution.

- **execSalesOrderConcProg** invokes the stored procedure WM_ORDER_IMP_HANDLER_PKG.WM_HANDLE_ORDER_IMPORT that then calls corresponding concurrent sub routine to execute the data import process for Sales Order into Oracle Applications. This service gives Status ID, Request ID, Execution Status Message for normal concurrent program completion and a database Stored Procedure error message if an exception occurs in Stored Procedure execution.

  - **checkSalesOrderImportStatus** checks if the above step has returned any stored procedure exceptions. In case of stored procedure exceptions, the dbErrorMsg record list captures the information. If there are no stored procedure exceptions, it indicates normal completion of the concurrent program stored procedure and the stores the returned message in concProgMsg record list.

  - **getSalesOrderImport_ERR** gets the error message that occurs during the data import to the production table from interface table. Based on the parameter PARENT_REQUEST_ID it scans table OE_HEADERS_IFACE_ALL, FND_CONC_REQ_SUMMARY_V and OE_PROCESSING_MSGS to get the corresponding message matches to the PARENT_REQUEST_ID.

For more details about receive transactions, see .

Business Document Structure

The business document structure is SalesOrderBizDoc. Its structure is as follows:

- 1.0 ORDER_HEADERS

  - 1.1 ORDER_LINES

  - 1.1.2 PRICE_ADJ

  - 1.1.2 PRICE_ATTRIBS

  - 1.1.3 SALES_CREDITS

  - 1.1.4 LOTSERIALS

  - 1.1.5 OE_RESERVTNS

  - 1.1.6 OE_LINE_ACTIONS

- 1.2 HEADER_PRICE_ATTRIB

- 1.3 HEADER_PRICE_ADJ

- 1.4 HEADER_SALES_CREDIT)

- 1.5 OE_ACTIONS

1.0 ORDER_HEADERS (Maps to OE_HEADERS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Not used for inbound transactions.
FLOW_STATUS_CODE		Order flow status code. Not used for inbound transactions.
ORDER_TYPE	ORDER_TYPE_ID	Required. Get TRANSACTION_TYPE_ID using OE_TRANSACTION_TYPES_ TL.NAME where LANGUAGE is the user language.
ORGANIZATION_NAME		Not used for inbound transactions.
ORDER_NUMBER	ORDER_NUMBER	
VERSION_NUMBER	VERSION_NUMBER	Order version number.
ORDERED_DATE	ORDERED_DATE	Date of the order.
ORDER_CATEGORY	ORDER_CATEGORY	
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Use OE_ORDER_SOURCES.NAME to get ORDER_SOURCE_ID.
PRICE_LIST	PRICE_LIST	Required.
ORIG_SYS_DOCUMENT_REF	ORIG_SYS_DOCUMENT_REF	Required. Original document reference for the order in external system.
CONVERSION_RATE	CONVERSION_RATE	Required. Either CONVERSION_RATE or CONVERSION_RATE_DATE must be populated.
CONVERSION_RATE_DATE	CONVERSION_RATE_DATE	Conversion rate Date. You must use either CONVERSION_RATE or CONVERSION_RATE_DATE.
CONVERSION_TYPE_CODE	CONVERSION_TYPE_CODE	Required. Either CONVERSION_TYPE_CODE or CONVERSION_TYPE must be populated.

Field Name	Maps to Column	Description
CONVERSION_TYPE	CONVERSION_TYPE	You must use either CONVERSION_TYPE_CODE or CONVERSION_TYPE.
TRANSACTIONAL_CURR_CODE	TRANSACTIONAL_CURR_CODE	
SALESREP	SALESREP_ID	Sales representative's name. Get the SALESREP_ID using RA_SALESREPS_ALL.NAME.
SALES_CHANNEL_CODE	SALES_CHANNEL_CODE	Sales channel through which order was placed.
SALES_CHANNEL	SALES_CHANNEL	
RETURN_REASON_CODE	RETURN_REASON_CODE	Required for return orders.
RETURN_REASON		Not used for inbound transactions.
TAX_POINT_CODE	TAX_POINT_CODE	
TAX_POINT	TAX_POINT	
TAX_EXEMPT_FLAG	TAX_EXEMPT_FLAG	Use: S for Standard E for Exempt R for Required
TAX_EXEMPT_NUMBER	TAX_EXEMPT_NUMBER	
TAX_EXEMPT_REASON_CODE	TAX_EXEMPT_REASON_CODE	Required. You must use either TAX_EXEMPT_REASON_CODE or TAX_EXEMPT_REASON.
TAX_EXEMPT_REASON	TAX_EXEMPT_REASON	You must use TAX_EXEMPT_REASON_CODE or TAX_EXEMPT_REASON.
AGREEMENT	AGREEMENT	
INVOICING_RULE	INVOICING_RULE	
ACCOUNTING_RULE	ACCOUNTING_RULE	
PAYMENT_TERM	PAYMENT_TERM	
DEMAND_CLASS_CODE	DEMAND_CLASS_CODE	
DEMAND_CLASS	DEMAND_CLASS	
SHIPMENT_PRIORITY_CODE	SHIPMENT_PRIORITY_CODE	

Field Name	Maps to Column	Description
SHIPMENT_PRIORITY	SHIPMENT_PRIORITY	
SHIPMENT_PRIORITY_CODE_INT		
SHIPPING_METHOD_CODE	SHIPPING_METHOD_CODE	
SHIPPING_METHOD	SHIPPING_METHOD	
FREIGHT_CARRIER_CODE	FREIGHT_CARRIER_CODE	
FREIGHT_CARRIER		Not used for inbound transactions.
FREIGHT_TERMS_CODE	FREIGHT_TERMS_CODE	
FREIGHT_TERMS	FREIGHT_TERMS	
FOB_POINT_CODE	FOB_POINT_CODE	Free on Board point code.
FOB_POINT	FOB_POINT	Free on Board point.
PARTIAL_SHIPMENTS_ALLOWED	PARTIAL_SHIPMENTS_ALLOWED	
SHIP_TOLERANCE_ABOVE	SHIP_TOLERANCE_ABOVE	Over shipment/return tolerance.
SHIP_TOLERANCE_BELOW	SHIP_TOLERANCE_BELOW	Under shipment/return tolerance.
SHIPPING_INSTRUCTIONS	SHIPPING_INSTRUCTIONS	
PACKING_INSTRUCTIONS	PACKING_INSTRUCTIONS	
ORDER_DATE_TYPE_CODE	ORDER_DATE_TYPE_CODE	
EARLIEST_SCHEDULE_LIMIT	EARLIEST_SCHEDULE_LIMIT	The limit on the number of days earlier than the requested date when the item can be shipped.
LATEST_SCHEDULE_LIMIT	LATEST_SCHEDULE_LIMIT	The limit on the number of days later than the requested date when the item can be shipped.
CUST_PO_NUMBER	CUST_PO_NUMBER	Customer Purchase Order number.
PAYMENT_TYPE_CODE	PAYMENT_TYPE_CODE	Type of payment for orders, such as cash, check, or credit.
PAYMENT_AMOUNT	PAYMENT_AMOUNT	
CHECK_NUMBER	CHECK_NUMBER	Check number, if applicable.
CREDIT_CARD_CODE	CREDIT_CARD_CODE	Credit card name, if applicable.

Field Name	Maps to Column	Description
CREDIT_CARD_HOLDER_NAME	CREDIT_CARD_HOLDER_NAME	Credit card holder name, if applicable.
CREDIT_CARD_NUMBER	CREDIT_CARD_NUMBER	Credit card number, if applicable.
CREDIT_CARD_EXPIRATION_DATE	CREDIT_CARD_EXPIRATION_DATE	Credit card expiration date, if applicable.
CREDIT_CARD_APPROVAL_CODE	CREDIT_CARD_APPROVAL_CODE	Credit card approval code, if applicable
SOLD_FROM_ORG	SOLD_TO_ORG_ID	Required. Sold from organization name. Use HR_ALL_ORGANIZATION_UNITS.NAME.
SOLD_TO_ORG	SOLD_TO_ORG	Required. Sold to organization name. Either SOLD_TO_ORG or CUSTOMER_NAME must be given.
SHIP_FROM_ORG	SHIP_FROM_ORG_ID	Ship from organization. Use HR_ALL_ORGANIZATION_UNITS.NAME.
SHIP_TO_ORG SHIP_TO_ADDRESS1 SHIP_TO_ADDRESS2 SHIP_TO_ADDRESS3 SHIP_TO_ADDRESS4 SHIP_TO_CITY SHIP_TO_COUNTY SHIP_TO_STATE SHIP_TO_POSTAL_CODE SHIP_TO_PROVINCE SHIP_TO_COUNTRY	SHIP_TO_ORG_ID	Required. Ship to organization. Can be derived using RA_SITE_USES_ALL and RA_ADDRESSES_USES_ALL, along with the details provided to get the SITE_USE_ID where SITE_USE_CODE = SHIP_TO.
SHIP_TO_CUSTOMER_NUMBER	SHIP_TO_CUSTOMER_NUMBER	
SHIP_TO_CUSTOMER	SHIP_TO_CUSTOMER	

Field Name	Maps to Column	Description
INVOICE_TO_ORG INVOICE_ADDRESS1 INVOICE_ADDRESS2 INVOICE_ADDRESS2 INVOICE_ADDRESS3 INVOICE_ADDRESS4 INVOICE_CITY INVOICE_COUNTY INVOICE_STATE INVOICE_POSTAL_CODE INVOICE_PROVINCE_INT INVOICE_COUNTRY	INVOICE_TO_ORG_ID	Required. Invoice to organization. Derived from RA_SITE_USES_ALL and RA_ADDRESSES_ALL, along with the details provided to get the SITE_USE_ID where SITE_USE_CODE = BILL_TO.
INVOICE_CUSTOMER_ NUMBER	INVOICE_CUSTOMER_ NUMBER	
INVOICE_CUSTOMER	INVOICE_CUSTOMER	Invoicing customer name.
DELIVER_TO_ORG	DELIVER_TO_ORG	Deliver to organization.
DELIVER_TO_CONTACT	DELIVER_TO_CONTACT	
DELIVER_TO_CUSTOMER_ NUMBER	DELIVER_TO_CUSTOMER_ NUMBER	
DELIVER_TO_CUSTOMER	DELIVER_TO_CUSTOMER	Deliver to customer name.
SOLD_TO_CONTACT	SOLD_TO_CONTACT	Sold to contact name.
SHIP_TO_CONTACT_FIRST_ NAME	SHIP_TO_CONTACT_FIRST_ NAME	
SHIP_TO_CONTACT_LAST _NAME	SHIP_TO_CONTACT_LAST_ NAME	
SHIP_TO_CONTACT	SHIP_TO_CONTACT	
INVOICE_TO_CONTACT_FIRST _NAME	INVOICE_TO_CONTACT_FIRST _NAME	
INVOICE_TO_CONTACT_LAST _NAME	INVOICE_TO_CONTACT_LAST _NAME	
INVOICE_TO_CONTACT	INVOICE_TO_CONTACT	

Field Name	Maps to Column	Description
CREDIT_CARD_APPROVAL_DATE	CREDIT_CARD_APPROVAL_DATE	
BOOKED_FLAG	BOOKED_FLAG	Indicates whether order is booked.
CANCELLED_FLAG	CANCELLED_FLAG	Indicates whether order is cancelled.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CUSTOMER_NAME	CUSTOMER_NAME	Name of the customer on the order. Either SOLD_TO_ORG or CUSTOMER_NAME must be given.
CUSTOMER_NUMBER	CUSTOMER_NUMBER	Number of the customer on the order.
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
ORDERED_BY_CONTACT_FIRST_NAME	ORDERED_BY_CONTACT_FIRST_NAME	
ORDERED_BY_CONTACT_LAST_NAME	ORDERED_BY_CONTACT_LAST_NAME	
HEADER_PO_CONTEXT	HEADER_PO_CONTEXT	Purchase order context.
PO_REVISION_DATE	PO_REVISION_DATE	Purchase order revision date.
CHANGE_REASON	CHANGE_REASON	
CHANGE_COMMENT	CHANGE_COMMENT	
OPERATION_CODE	OPERATION_CODE	Required. Valid values are INSERT, CREATE, UPDATE, and DELETE.
CLOSED_FLAG	CLOSED_FLAG	
REJECTED_FLAG	REJECTED_FLAG	Indicates whether to reject any record during import.
READY_FLAG	READY_FLAG	
STATUS_FLAG	STATUS_FLAG	
FORCE_APPLY_FLAG	FORCE_APPLY_FLAG	

1.1 ORDER_LINES (Maps to OE_LINES_IFACE_ALL)

Field Name	Maps to Column	Description
LINE_ID		Order line identifier. Not used for inbound transactions.
HEADER_ID		Order header identifier. Not used for inbound transactions.
LINE_NUMBER	LINE_NUMBER	Line sequence number within the order.
FLOW_STATUS_CODE		Order line status flow. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Get the ID using OE_ORDER_SOURCES.
ORIG_SYS_LINE_REF	ORIG_SYS_LINE_REF	Required. Identifier of line from a source system outside of Oracle Order Management.
ORIG_SYS_SHIPMENT_REF	ORIG_SYS_SHIPMENT_REF	Required. Original shipment information for the line of the order in external system.
SHIPMENT_NUMBER	SHIPMENT_NUMBER	System generated identifier of a shipment within a line.
SPLIT_LINE_LINE_REF	SPLIT_FROM_LINE_ID	Split line identifier of line from a source system outside of Oracle Order Management. Get the SPLIT_FROM_LINE_ID using OE_ORDER_LINES_ALL table where ORIG_SYS_LINE_REF is the same as the given SPLIT_LINE_LINE_REF.
LINE_TYPE	LINE_TYPE_ID	Line transaction type. Use OE_TRANSACTION_TYPES_TL.
ITEM_TYPE_CODE	ITEM_TYPE_CODE	
ITEM_TYPE		Not used for inbound transactions.
SOURCE_TYPE_CODE	SOURCE_TYPE_CODE	

Field Name	Maps to Column	Description
SOURCE_TYPE		Not used for inbound transactions.
SCHEDULE_STATUS_CODE	SCHEDULE_STATUS_CODE	
SCHEDULE_STATUS		Not used for inbound transactions.
INVENTORY_ITEM	INVENTORY_ITEM	Required.
TOP_MODEL_LINE_REF	TOP_MODEL_LINE_REF	Required for model items. Top parent line.
LINK_TO_LINE_REF	LINK_TO_LINE_REF	Required for model items. Immediate parent component line.
ATO_LINE_REF	ATO_LINE_ID	ATO configuration top model line. Get the ATO_LINE_ID using OE_ORDER_LINES_ALL table where ORIG_SYS_LINE_REF is the same as the given ATO_LINE_REF.
EXPLOSION_DATE	EXPLOSION_DATE	Date when the included items were exploded and frozen.
COMPONENT_CODE	COMPONENT_CODE	Component within an exploded bill.
SORT_ORDER	SORT_ORDER	Sorting sequence for a component within an ordered bill.
MODEL_GROUP_NUMBER	MODEL_GROUP_NUMBER	
OPTION_NUMBER	OPTION_NUMBER	Option or a class within a model.
OPTION_FLAG	OPTION_FLAG	
SHIP_MODEL_COMPLETE_FLAG	SHIP_MODEL_COMPLETE_FLAG	Indicates line is in ship–complete configuration.
SCHEDULE_SHIP_DATE	SCHEDULE_SHIP_DATE	Date scheduled to ship item.
SCHEDULE_ARRIVAL_DATE	SCHEDULE_ARRIVAL_DATE	Date scheduled for the item to arrive at the customer site.
ACTUAL_ARRIVAL_DATE	ACTUAL_ARRIVAL_DATE	Date the item actually arrived at customer's site.
REQUEST_DATE	REQUEST_DATE	Required. Ordered item request date.

Field Name	Maps to Column	Description
PROMISE_DATE	PROMISE_DATE	Date promised to customer to receive item.
DELIVERY_LEAD_TIME	DELIVERY_LEAD_TIME	Required.
ORDERED_QUANTITY	ORDERED_QUANTITY	Required.
ORDER_QUANTITY_UOM	ORDER_QUANTITY_UOM	Required. Ordered quantity unit of measurement.
SHIPPING_QUANTITY	SHIPPING_QUANTITY	If this field is populated, then both SHIPPING_QUANTITY and SHIPPING_QUANTITY_UOM must be populated.
SHIPPING_QUANTITY_UOM	SHIPPING_QUANTITY_UOM	Shipping quantity unit of measurement. If this field is populated, then both SHIPPING_QUANTITY and SHIPPING_QUANTITY_UOM must be populated.
SHIPPED_QUANTITY	SHIPPED_QUANTITY	
CANCELLED_QUANTITY	CANCELLED_QUANTITY	
FULFILLED_QUANTITY	FULFILLED_QUANTITY	
PRICING_QUANTITY	PRICING_QUANTITY	If this field is populated, then both PRICING_QUANTITY and PRICING_QUANTITY_UOM must be populated.
PRICING_QUANTITY_UOM	PRICING_QUANTITY_UOM	Pricing quantity unit of measurement. If this field is populated, then both PRICING_QUANTITY and PRICING_QUANTITY_UOM must be populated.
SOLD_FROM_ORG	SOLD_TO_ORG_ID	Required. Selling organization. Value is HR_ALL_ORGANIZATION_ UNITS.
SOLD_TO_ORG	SOLD_TO_ORG	Customer to whom the item is sold.
SHIP_FROM_ORG	SHIP_FROM_ORG_ID	Ship from organization. Valid is HR_ALL_ORGANIZATION_ UNITS.

Field Name	Maps to Column	Description
DELIVERY_NAME	DELIVERY_ID	Required. Derive this delivery name using WSH_NEW_DELIVERIES.
SHIP_TO_ORG SHIP_TO_ADDRESS1 SHIP_TO_ADDRESS2 SHIP_TO_ADDRESS3 SHIP_TO_ADDRESS4 SHIP_TO_CITY SHIP_TO_COUNTY SHIP_TO_STATE SHIP_TO_POSTAL_CODE SHIP_TO_COUNTRY	SHIP_TO_ORG_ID	Required. Ship to organization, which can be derived using RA_SITE_USES_ALL and RA_ADDRESSES_ALL, along with the details provided to get the SITE_USE_ID where SITE_USE_CODE = SHIP_TO.
DELIVER_TO_ORG	DELIVER_TO_ORG	Deliver to organization.
INVOICE_TO_ORG BILL_TO_ADDRESS1 BILL_TO_ADDRESS2 BILL_TO_ADDRESS3 BILL_TO_ADDRESS4 BILL_TO_CITY BILL_TO_COUNTY BILL_TO_STATE BILL_TO_POSTAL_CODE BILL_TO_COUNTRY	INVOICE_TO_ORG_ID	Required. Derive invoice to organization by using RA_SITE_USES_ALL and RA_ADDRESSES_USES_ALL with the given details to get the SITE_USE_ID where SITE_USE_CODE = BILL_TO.
SHIP_TO_CONTACT_FIRST_NAME	SHIP_TO_CONTACT_FIRST_NAME	
SHIP_TO_CONTACT_LAST_NAME	SHIP_TO_CONTACT_LAST_NAME	
SHIP_TO_CONTACT_JOB_TITLE	SHIP_TO_CONTACT_JOB_TITLE	
SHIP_TO_CONTACT	SHIP_TO_CONTACT	

Field Name	Maps to Column	Description
DELIVER_TO_CONTACT	DELIVER_TO_CONTACT	
INVOICE_TO_CONTACT	INVOICE_TO_CONTACT	
DROP_SHIP_FLAG	DROP_SHIP_FLAG	Not used for outbound transactions.
VEH_CUS_ITEM_CUM_KEY	VEH_CUS_ITEM_CUM_KEY_ID	Customer item key.
CUST_PRODUCTION_SEQ_NUM	CUST_PRODUCTION_SEQ_NUM	Customer production sequence number.
LOAD_SEQ_NUMBER	LOAD_SEQ_NUMBER	Load sequence number. Not used for outbound transactions.
OVER_SHIP_REASON_CODE	OVER_SHIP_REASON_CODE	Over shipment reason code.
OVER_SHIP_RESOLVED_FLAG	OVER_SHIP_RESOLVED_FLAG	Over shipment reason.
AUTHORIZED_TO_SHIP_FLAG	AUTHORIZED_TO_SHIP_FLAG	Indicates whether the demand lines are authorized to ship.
SHIP_TOLERANCE_ABOVE	SHIP_TOLERANCE_ABOVE	Over shipment/return tolerance.
SHIP_TOLERANCE_BELOW	SHIP_TOLERANCE_BELOW	Under shipment/return tolerance.
SHIP_SET_NAME	SHIP_SET_NAME	
ARRIVAL_SET_NAME	ARRIVAL_SET_NAME	
PRICE_LIST	PRICE_LIST	Required. Price List Name.
PRICING_DATE	PRICING_DATE	
UNIT_LIST_PRICE	UNIT_LIST_PRICE	
UNIT_LIST_PRICE_PER_PQTY	UNIT_LIST_PRICE_PER_PQTY	Unit list price per quantity.
UNIT_SELLING_PRICE	UNIT_SELLING_PRICE	
UNIT_SELLING_PRICE_PER_PQTY	UNIT_SELLING_PRICE_PER_PQTY	Unit selling price per quantity.
TAX_DATE	TAX_DATE	
TAX_CODE	TAX_CODE	
TAX_VALUE	TAX_VALUE	
CALCULATED_PRICE_FLAG	CALCULATED_PRICE_FLAG	Indicates whether price is to be calculated. Not used for outbound transactions.

Field Name	Maps to Column	Description
TAX_EXEMPT_FLAG	TAX_EXEMPT_FLAG	Indicates tax handling for the order line. Use: S for Standard E for Exempt R for Required
TAX_EXEMPT_NUMBER	TAX_EXEMPT_NUMBER	
TAX_EXEMPT_REASON_CODE	TAX_EXEMPT_REASON_CODE	
TAX_EXEMPT_REASON	TAX_EXEMPT_REASON	
TAX_POINT_CODE	TAX_POINT_CODE	
TAX_POINT	TAX_POINT	
AGREEMENT	AGREEMENT	
ACCOUNTING_RULE	ACCOUNTING_RULE	Required.
INVOICING_RULE	INVOICING_RULE	
PAYMENT_TERM	PAYMENT_TERM	Required.
DEMAND_CLASS_CODE	DEMAND_CLASS_CODE	Required. You must use Demand Class Code or Demand Class.
DEMAND_CLASS	DEMAND_CLASS	You must use Demand Class Code or Demand Class.
SHIPMENT_PRIORITY_CODE	SHIPMENT_PRIORITY_CODE	
SHIPMENT_PRIORITY	SHIPMENT_PRIORITY	
SHIPPING_METHOD_CODE	SHIPPING_METHOD_CODE	
SHIPPING_METHOD	SHIPPING_METHOD	
FREIGHT_CARRIER_CODE	FREIGHT_CARRIER_CODE	
FREIGHT_CARRIER		Not used for inbound transactions.
FREIGHT_TERMS_CODE	FREIGHT_TERMS_CODE	
FREIGHT_TERMS	FREIGHT_TERMS	
FOB_POINT_CODE	FOB_POINT_CODE	Free on Board point code.
FOB_POINT	FOB_POINT	Free on Board point.
SALESREP	SALESREP	Sales representative name.
SHIPPING_INSTRUCTIONS	SHIPPING_INSTRUCTIONS	
PACKING_INSTRUCTIONS	PACKING_INSTRUCTIONS	

Field Name	Maps to Column	Description
RETURN_REASON_CODE	RETURN_REASON_CODE	Must be populated for returns.
RETURN_REASON		Not used for inbound transactions.
REFERENCE_TYPE	REFERENCE_TYPE	Must be populated to populate the REFERENCE_HEADER or REFERENCE_LINE.
REFERENCE_HEADER	REFERENCE_HEADER	Sales order header the return line references.
REFERENCE_LINE	REFERENCE_LINE	Sales order line the return line references.
CREDIT_INVOICE_NUMBER	CREDIT_INVOICE_LINE_ID	Credit Invoice Number. Use tables RA_CUSTOMER_TRX_LINES_ ALL RCTL and RA_CUSTOMER_TRX_ALL RCT. Get RCTL.CUSTOMER_TRX _LINE_ID where RCTL.ORG_ID = Current Organization AND RCT.CUSTOMER_TRX_ID = RCTL.CUSTOMER_TRX_ID AND where RCT.TRX_ NUMBER = given Credit Invoice number.
CUSTOMER_LINE_NUMBER	CUSTOMER_LINE_NUMBER	
CUSTOMER_PO_NUMBER	CUSTOMER_PO_NUMBER	Customer purchase order number.
CUSTOMER_SHIPMENT_ NUMBER	CUSTOMER_SHIPMENT_NUM BER	
CUSTOMER_ITEM_NAME	CUSTOMER_ITEM_NAME	
CUSTOMER_ITEM_REVISION	CUSTOMER_ITEM_REVISION	Not used in outbound transactions.
CUSTOMER_ITEM_NET_PRICE	CUSTOMER_ITEM_NET_PRICE	
DEMAND_BUCKET_TYPE_ CODE	DEMAND_BUCKET_TYPE_ CODE	
CUSTOMER_DOCK_CODE	CUSTOMER_DOCK_CODE	
CUSTOMER_JOB	CUSTOMER_JOB	

Field Name	Maps to Column	Description
CUSTOMER_PRODUCTION_LINE	CUSTOMER_PRODUCTION_LINE	
CUST_MODEL_SERIAL_NUMBER	CUST_MODEL_SERIAL_NUMBER	Customer model serial number.
PROJECT	PROJECT	Project name.
TASK	TASK	Task name.
FULFILLMENT_SET_NAME	FULFILLMENT_SET_NAME	
END_ITEM_UNIT_NUMBER	END_ITEM_UNIT_NUMBER	Bill of material to be used for building a specific Model or Unit Number effectively controlled Item.
ITEM_REVISION	ITEM_REVISION	Item revision for a return line.
SCHEDULE_DATE	SCHEDULE_DATE	
SHIP_TO_CONTACT_AREA_CODE1	SHIP_TO_CONTACT_AREA_CODE1	
SHIP_TO_CONTACT_AREA_CODE2	SHIP_TO_CONTACT_AREA_CODE2	
SHIP_TO_CONTACT_AREA_CODE3	SHIP_TO_CONTACT_AREA_CODE3	
CUSTOMER_ITEM_ID_TYPE	CUSTOMER_ITEM_ID_TYPE	
INVOICE_SET_NAME	INVOICE_SET_NAME	
TAX	TAX	
SCHEDULE_ITEM_DETAIL	SCHEDULE_ITEM_DETAIL	
DEMAND_STREAM	DEMAND_STREAM	
SERVICE_DURATION	SERVICE_DURATION	Required for service items.
SERVICE_START_DATE	SERVICE_START_DATE	Required for service items.
SERVICE_END_DATE	SERVICE_END_DATE	Required for service items.
SERVICE_COTERMINATE_FLAG	SERVICE_COTERMINATE_FLAG	Required for service items. Indicates whether the service can be co-terminated.
UNIT_SELLING_PERCENT	UNIT_SELLING_PERCENT	For percentage-based pricing only. The percentage charged to the customer.

Field Name	Maps to Column	Description
UNIT_LIST_PERCENT	UNIT_LIST_PERCENT	For percent-based pricing only. Price list percent of the item.
UNIT_PERCENT_BASE_PRICE	UNIT_PERCENT_BASE_PRICE	For percent-based pricing.
SERVICE_NUMBER	SERVICE_NUMBER	Unique number to identify the service line(s).
CANCELLED_FLAG	CANCELLED_FLAG	Indicates whether line is cancelled.
FULFILLED_FLAG	FULFILLED_FLAG	Indicates whether line is fulfilled.
SERVICE_TXN_REASON_CODE	SERVICE_TXN_REASON_CODE	Service transaction reason code.
SERVICE_TXN_COMMENTS	SERVICE_TXN_COMMENTS	Service transaction comments.
CONTRACT_PO_NUMBER	CONTRACT_PO_NUMBER	Contract purchase order number.
LINE_PO_CONTEXT	LINE_PO_CONTEXT	Line purchase order context.
OPERATION_CODE	OPERATION_CODE	Use values such as INSERT, CREATE, UPDATE, or DELETE.
CHANGE_REASON	CHANGE_REASON	
CHANGE_COMMENTS	CHANGE_COMMENTS	
CLOSED_FLAG	CLOSED_FLAG	
REJECTED_FLAG	REJECTED_FLAG	Indicates whether any record were rejected during import.
STATUS_FLAG	STATUS_FLAG	

1.1.1 PRICE_ADJ (Maps to OE_PRICE_ADJS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
LINE_ID		Order line identifier. Not used for inbound transactions.
ADJUSTED_AMOUNT	ADJUSTED_AMOUNT	Adjusted amount at the adjustment level.
ADJUSTED_AMOUNT_PER_ PQTY	ADJUSTED_AMOUNT_PER_ PQTY	Adjusted amount per quantity.

Field Name	Maps to Column	Description
APPLIED_FLAG	APPLIED_FLAG	For string manual discounts not yet applied by the user. Indicates whether the adjustment has been applied to the order line.
ARITHMETIC_OPERATOR	ARITHMETIC_OPERATOR	Qualifies the value in operand such as percentage, amount, or a new price.
AUTOMATIC_FLAG	AUTOMATIC_FLAG	Required. Indicates whether the discount was applied automatically.
CHANGE_REASON_CODE	CHANGE_REASON_CODE	Reason code for making a change to the adjustment value.
CHANGE_REASON_TEXT	CHANGE_REASON_TEXT	Text for reason change was made to the adjustment value.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	Not used for outbound transactions.
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	Not used for outbound transactions.
CHARGE_TYPE_CODE	CHARGE_TYPE_CODE	
CHARGE_SUBTYPE_CODE	CHARGE_SUBTYPE_CODE	
COST_TYPE	COST_ID	Get the cost using WSH_FREIGHT_COSTS and WSH_FREIGHT_COST_TYPES. Use the WSH_FREIGHT_COST_TYPES table to get the FREIGHT_COST_TYPE_ID. Then get the FREIGHT_COST_ID using the following cost type and the given information: ■ Amount for freight costs in unit ■ Quantity ■ Total amount ■ Freight cost Currency code ■ Freight Code

Field Name	Maps to Column	Description
COST_UNIT_AMOUNT		
COST_QUANTITY		
COST_AMOUNT		
COST_CURRENCY_CODE		
CREDIT_OR_CHARGE_FLAG	CREDIT_OR_CHARGE_FLAG	Indicates whether the adjustment record is a credit or charge to a customer.
DISCOUNT_NAME	DISCOUNT_NAME	
LINE_DISCOUNT_NAME	DISCOUNT_LINE_ID	Line Discount Name. Get the ID using SO_DISCOUNTS.
ESTIMATED_FLAG	ESTIMATED_FLAG	Indicates whether the charge amount is estimated or fixed.
INVOICED_FLAG	INVOICED_FLAG	Indicates whether the charge is invoiced.
INC_IN_SALES_ PERFORMANCE	INC_IN_SALES_ PERFORMANCE	Indicates whether the charge should be included in Sales Performance calculation.
INCLUDE_ON_RETURNS_ FLAG	INCLUDE_ON_RETURNS_ FLAG	Indicates whether the adjustment is returnable.
LIST_NAME	LIST_NAME	Name of modifier header.
LIST_LINE_TYPE_CODE	LIST_LINE_TYPE_CODE	Line type of the modifier.
LIST_LINE_NUMBER	LIST_LINE_NUMBER	List line number.
MODIFIED_FROM	MODIFIED_FROM	Stores the value of the item code, which was upgraded.
MODIFIED_TO	MODIFIED_TO	Stores the value of the item code, to which an item was upgraded.
MODIFIER_MECHANISM_TYP E_CODE	MODIFIER_MECHANISM_ TYPE_CODE	Modifier mechanism type code.
OPERAND	OPERAND	Stores the adjustment value, qualified by the arithmetic operator.
OPERAND_PER_PQTY	OPERAND_PER_PQTY	Operand per quantity.
OPERATION_CODE	OPERATION_CODE	Required. Use values such as: INSERT, CREATE, UPDATE, or DELETE.

Field Name	Maps to Column	Description
ORDER_SOURCE	ORDER_SOURCE_ID	Order source name. Use OE_ORDER_SOURCES.
ORIG_SYS_DISCOUNT_REF	ORIG_SYS_DISCOUNT_REF	Required. Original system discount reference.
PARENT_ADJUSTMENT_NAME	PARENT_ADJUSTMENT_ID	Parent adjustment Name. Use: ■ OE_PRICE_ADJUSTMENTS_ V where ADJUSTMENT_NAME is the given parent adjustment name and: ■ LINE_ID, HEADER_ID is the same as that obtained from ORIG_SYS_DOCUMENT_ REF and ORIG_SYS_LINE_REF using: ■ OE_ORDER_HEADERS_ALL and OE_ORDER_ LINES_ALL.
PRICING_PHASE	PRICING_PHASE_ID	Pricing Phase Name. Use QP_PRICING_PHASES.NAME.
PERCENT	PERCENT	
TAX_CODE	TAX_CODE	Tax code for the charges.
UPDATE_ALLOWED	UPDATE_ALLOWED	Indicates whether this adjustment can be overridden.
UPDATED_FLAG	UPDATED_FLAG	Indicates whether the user has changed this row.
VERSION_NUMBER	VERSION_NUMBER	
STATUS_FLAG	STATUS_FLAG	
FREIGHT_CODE	COST_ID	Freight code.

1.1.2 PRICE_ATTRIBS (Maps to OE_PRICE_ATTS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
LINE_ID		Order line identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
OPERATION_CODE	OPERATION_CODE	Required. Use values such as: INSERT, CREATE, UPDATE, or DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Order Source Name. Use OE_ORDER_SOURCES.
ORIG_SYS_ATTS_REF	ORIG_SYS_ATTS_REF	Required. Original system attribute reference.
STATUS_FLAG	STATUS_FLAG	
PRICING_CONTEXT	PRICING_CONTEXT	
FLEX_TITLE	FLEX_TITLE	

1.1.3 SALES_CREDITS (Maps to OE_CREDITS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
LINE_ID		Order line identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
OPERATION_CODE	OPERATION_CODE	Required. Use values such as: INSERT, CREATE, UPDATE, or DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Order source name. Use OE_ORDER_SOURCES.
ORIG_SYS_CREDIT_REF	ORIG_SYS_CREDIT_REF	Required. Original system credit reference.

Field Name	Maps to Column	Description
QUOTA_FLAG	QUOTA_FLAG	Indicates revenue or non-revenue base credit.
PERCENT	PERCENT	Required. Indicates sales credit percent for a salesperson.
SALESREP	SALESREP	Salesperson's name.
SALES_CREDIT_TYPE	SALES_CREDIT_TYPE	Required.

1.1.4 LOTSERIALS (Maps to OE_LOTSERIALS_IFACE_ALL)

Field Name	Maps to Column	Description
LINE_ID		Order line identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
OPERATION_CODE	OPERATION_CODE	Required. Values values are: ■ INSERT ■ CREATE ■ UPDATE ■ DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Order source name. Use OE_ORDER_SOURCES.
ORIG_SYS_LOTSERIAL_REF	ORIG_SYS_LOTSERIAL_REF	Required. Original system lot serial reference.
LOT_NUMBER	LOT_NUMBER	
FROM_SERIAL_NUMBER	FROM_SERIAL_NUMBER	Serial number range starting number. If TO_SERIAL_NUMBER is null, then this field is the only serial number.
TO_SERIAL_NUMBER	TO_SERIAL_NUMBER	Serial number range ending number.
QUANTITY	QUANTITY	Required. Lot or serial number quantity. This field should match the serial number range for the serial number controlled item.

1.1.5 OE_RESERVTNS (Maps to OE_RESERVTNS_IFACE_ALL)

Field Name	Maps to Column	Description
LINE_ID		Order line identifier. Not used for inbound transactions.
HEADER_ID		Order header identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
OPERATION_CODE	OPERATION_CODE	Required. Use values such as: INSERT, CREATE, UPDATE, or DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Order source name. Use OE_ORDER_SOURCES.
REVISION	REVISION	Revision of revision-controlled reserved item.
ITEM_CODE	INVENTORY_ITEM_ID	Required. Reserved Item. Use MTL_SYSTEM_ITEMS_B_KFV for the current organization.
SUBINVENTORY_CODE	SUBINVENTORY_CODE	Subinventory in which reserved item resides.
LOCATOR	LOCATOR_ID	Locator in which reserved item resides. Use MTL_ITEM_LOCATIONS_KFV.
LOT_NUMBER	LOT_NUMBER	Lot number of lot-controlled reserved item.
QUANTITY	QUANTITY	Required. Quantity reserved.
ORIG_SYS_RESERVATION_REF	ORIG_SYS_RESERVATION_REF	Required. Original system reservation reference.

1.1.6 OE_LINE_ACTIONS (Maps to OE_ACTIONS_IFACE_ALL)

Field Name	Maps to Column	Description
LINE_ID		Order line identifier. Not used for inbound transactions.
HEADER_ID		Order header identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	

Field Name	Maps to Column	Description
OPERATION_CODE	OPERATION_CODE	Required. Valid values are: ■ BOOK_ORDER ■ APPLY_HOLD ■ RELEASE_HOLD ■ APPLY_AUTOMATIC_ ATCHMT ■ DELINK_CONFIG ■ MATCH_AND_RESERVE
ORDER_SOURCE	ORDER_SOURCE_ID	Order source name. Use OE_ORDER_SOURCES.
HOLD_NAME	HOLD_ID	Hold name. Use OE_HOLD_DEFINITIONS.
HOLD_TYPE_CODE	HOLD_TYPE_CODE	
HOLD_UNTIL_DATE	HOLD_UNTIL_DATE	
RELEASE_REASON_CODE	RELEASE_REASON_CODE	
COMMENTS	COMMENTS	
CONTEXT	CONTEXT	
STATUS_FLAG	STATUS_FLAG	

1.2 HEADER_PRICE_ATTRIB (Maps to OE_PRICE_ATTS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
OPERATION_CODE	OPERATION_CODE	Required. Use values such as INSERT, CREATE, UPDATE, or DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Order source name. Use OE_ORDER_SOURCES.
ORIG_SYS_ATTS_REF	ORIG_SYS_ATTS_REF	Required. Original system attribute reference.

Field Name	Maps to Column	Description
STATUS_FLAG	STATUS_FLAG	
PRICING_CONTEXT	PRICING_CONTEXT	
FLEX_TITLE	FLEX_TITLE	

1.3 HEADER_PRICE_ADJ (Maps to OE_PRICE_ADJS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
ADJUSTED_AMOUNT	ADJUSTED_AMOUNT	Adjusted amount at the adjustment level.
ADJUSTED_AMOUNT_PER_PQTY	ADJUSTED_AMOUNT_PER_PQTY	Adjusted amount per quantity.
APPLIED_FLAG	APPLIED_FLAG	Indicates whether the adjustment has been applied to the order line. For string manual discounts not yet applied by the user.
ARITHMETIC_OPERATOR	ARITHMETIC_OPERATOR	Qualifies the value in operand for percentage, amount, or new price.
AUTOMATIC_FLAG	AUTOMATIC_FLAG	Required. Indicates whether the discount was applied automatically.
CHANGE_REASON_CODE	CHANGE_REASON_CODE	Reason code for making a change to the adjustment value.
CHANGE_REASON_TEXT	CHANGE_REASON_TEXT	Text for the reason code.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	Not used for outbound transactions.
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	Not used for outbound transactions.
CHARGE_TYPE_CODE	CHARGE_TYPE_CODE	
CHARGE_SUBTYPE_CODE	CHARGE_SUBTYPE_CODE	

Field Name	Maps to Column	Description
COST_TYPE	COST_ID	- Get the cost using WSH_FREIGHT_COSTS and WSH_FREIGHT_COST_TYPES. Then: - Use the WSH_FREIGHT_COST_TYPES table to get the FREIGHT_COST_TYPE_ID. Then: - Get the FREIGHT_COST_ID using this cost type and the following information: - Amount for freight costs in unit - Quantity - Total amount - Freight cost Currency code - Freight Code
COST_UNIT_AMOUNT		
COST_QUANTITY		
COST_AMOUNT		
COST_CURRENCY_CODE		
CREDIT_OR_CHARGE_FLAG	CREDIT_OR_CHARGE_FLAG	Indicates whether the adjustment record is a credit or charge to a customer.
DISCOUNT_NAME	DISCOUNT_NAME	
LINE_DISCOUNT_NAME	DISCOUNT_LINE_ID	Line discount name. Get the ID using SO_DISCOUNTS.
ESTIMATED_FLAG	ESTIMATED_FLAG	Indicates whether the charge amount is estimated or fixed.
INVOICED_FLAG	INVOICED_FLAG	Indicates whether the charge is invoiced.

Field Name	Maps to Column	Description
INC_IN_SALES_ PERFORMANCE	INC_IN_SALES_ PERFORMANCE	Indicates whether the charge should be included in the Sales Performance calculation.
INCLUDE_ON_RETURNS_ FLAG	INCLUDE_ON_RETURNS_ FLAG	Indicates whether the adjustment is returnable.
LIST_NAME	LIST_NAME	Name of modifier header.
LIST_LINE_TYPE_CODE	LIST_LINE_TYPE_CODE	Line type of the modifier.
LIST_LINE_NUMBER	LIST_LINE_NUMBER	
MODIFIED_FROM	MODIFIED_FROM	Stores the value of the item code, which was upgraded.
MODIFIED_TO	MODIFIED_TO	Stores the value of the item code, to which an item was upgraded.
MODIFIER_MECHANISM_ TYPE_CODE	MODIFIER_MECHANISM_ TYPE_CODE	
OPERAND	OPERAND	Stores the adjustment value, qualified by arithmetic operator.
OPERAND_PER_PQTY	OPERAND_PER_PQTY	Operand per quantity
OPERATION_CODE	OPERATION_CODE	Required. Valid values are INSERT, CREATE, UPDATE, and DELETE.
ORDER_SOURCE	ORDER_SOURCE_ID	Order Source Name. Use OE_ORDER_SOURCES.
ORIG_SYS_DISCOUNT_REF	ORIG_SYS_DISCOUNT_REF	Required. Original system discount reference.

Field Name	Maps to Column	Description
PARENT_ADJUSTMENT_NAME	PARENT_ADJUSTMENT_ID	Parent adjustment name. Use: ■ OE_PRICE_ADJUSTMENTS_V where ADJUSTMENT_NAME is the given parent adjustment name and: ■ LINE_ID and HEADER_ID are the same as the ORIG_SYS_DOCUMENT_REF and ORIG_SYS_LINE_REF using OE_ORDER_HEADERS_ALL and OE_ORDER_LINES_ALL.
PRICING_PHASE	PRICING_PHASE_ID	Pricing Phase Name. Use QP_PRICING_PHASES.NAME.
PERCENT	PERCENT	Percentage.
TAX_CODE	TAX_CODE	Tax code defined for the charges.
UPDATE_ALLOWED	UPDATE_ALLOWED	Indicates whether this adjustment can be overridden.
UPDATED_FLAG	UPDATED_FLAG	Indicates whether the user has changed this row.
VERSION_NUMBER	VERSION_NUMBER	
STATUS_FLAG	STATUS_FLAG	
FREIGHT_CODE		

1.4 HEADER_SALES_CREDIT (Maps to OE_CREDIT_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
CHANGE_REQUEST_CODE	CHANGE_REQUEST_CODE	
OPERATION_CODE	OPERATION_CODE	Required. Valid values are INSERT, CREATE, UPDATE, and DELETE.

Field Name	Maps to Column	Description
ORDER_SOURCE	ORDER_SOURCE_ID	Required. Order Source Name. Use OE_ORDER_SOURCES.
ORIG_SYS_CREDIT_REF	ORIG_SYS_CREDIT_REF	Required. Original system credit reference.
QUOTA_FLAG	QUOTA_FLAG	Indicates revenue or non-revenue base credit.
PERCENT	PERCENT	Required. Indicates sales credit percent for a salesperson.
SALESREP	SALESREP	Salesperson's name.
SALES_CREDIT_TYPE	SALES_CREDIT_TYPE	Required.

1.5 OE_ACTIONS (Maps to OE_ACTIONS_IFACE_ALL)

Field Name	Maps to Column	Description
HEADER_ID		Order header identifier. Not used for inbound transactions.
CHANGE_SEQUENCE	CHANGE_SEQUENCE	
OPERATION_CODE	OPERATION_CODE	Required. Valid values are ■ BOOK_ORDER ■ APPLY_HOLD ■ RELEASE_HOLD ■ APPLY_AUTOMATIC_ ATCHMT ■ DELINK_CONFIG ■ MATCH_AND_RESERVE
ORDER_SOURCE	ORDER_SOURCE_ID	Order source name. Use OE_ORDER_SOURCES.
HOLD_NAME	HOLD_ID	Hold name. Use OE_HOLD_DEFINITIONS.
HOLD_TYPE_CODE	HOLD_TYPE_CODE	
HOLD_UNTIL_DATE	HOLD_UNTIL_DATE	
RELEASE_REASON_CODE	RELEASE_REASON_CODE	
COMMENTS	COMMENTS	

Field Name	Maps to Column	Description
CONTEXT	CONTEXT	
STATUS_FLAG	STATUS_FLAG	

Send Advance Shipping Notice Service

The name of this service is:

WmOAOMG1159.shipping1159.fromOA.ASN:sendASN

This service retrieves advanced shipping notices. Advanced Shipping Notice/Departure Shipping Notice (ASN/DSNO). It automatically runs when there is confirmation of a shipment delivery for a sales order. The DSNO generates when delivery is ship-confirmed.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_shipnotice.sql	Runs all the scripts listed below, except the uninstall script.
wm_ship_notice_vw.sql	Creates all required views for the Advanced Shipping Notice outbound transactions: ■ WM_ASN_DETAIL_VW ■ WM_ASN_ORDER_QRY_VW
wm_ship_notice_trg.sql	Creates the WM_DELIVERY_DETAIL_U_TRG trigger to be used for writing to the WM_TRACKCHANGES table to indicate a new document.
wm_drop_from_shipnotice.sql	Uninstalls all components created by wm_install_from_shipnotice.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getASNTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the sendASN service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

   ■ If **lockTxnCtrl** service returns False, it indicates that another instance of this service is already in process. The service exits and waits for next scheduled execution.

   ■ If **lockTxnCtrl** service returns true, it indicates that the service is ready to execute. The Advanced Shipping Notice row in the control table is locked and updated so that the status is changed to INPROCESS. This prevents any other Advanced Shipping Notice service from executing.

■ **getASNTxn** service queries the Oracle Applications database for any Advanced Shipping Notice Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** sends the business document to the trading partner. You must customize this step to receive a Success or an Error status of the document transfer. If an error in a particular Business document transfer occurs, then the error information is sent back to the calling service; that is, sendASN, in this case. The error information passed back should have the document identifiers. If a particular document is transferred successfully to the trading partner, no information needs to be sent back to the calling program (sendASN).

■ Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

   ■ If the Debug Mode is TRUE, then based on the purge criteria the records in the WM_TRACKCHANGES table are updated and the Processed Flag is set to Y. This ensures that same set of records is not picked up during next polling interval. The **updateTrackChanges** service updates the Processed Flag in the WM_TRACKCHANGES table to Y so that same information is not picked up again during next polling instance.

- If the Debug Mode is FALSE, then based on the purge criteria the records in the WM_TRACKCHANGES table are deleted. The **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

■ The **insertTransferERRInfo** inserts a new record in the WM_TRACKCHANGES table if an Error occurs when transferring the Business document, so that same document can be picked up during the next polling interval.

■ **unlockTxnCtrl** releases the lock on the Custom Control table so that next polling instance of sendASN service can begin.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This business document structure is as follows:

■ SHIPPING_NOTICE

SHIPPING_NOTICE

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use ASN.
DOCUMENT_STATUS			Use INSERT.
ORDER_LINE_ID	WSH_DELIVERY_ DETAILS	SOURCE_LINE_ID	
ORDER_NUMBER	OE_ORDER_HEADERS_ ALL	ORDER_NUMBER	User–visible number of the order.
ORDER_LINE_NUMBER	WSH_DELIVERY_ DETAILS	SOURCE_LINE_ NUMBER	Line sequence number within the order.
PURCHASE_ORDER_ NUMBER	OE_ORDER_HEADERS_ ALL	CUST_PO_ NUMBER	Customer purchase order number.
ORDER_DATE	OE_ORDER_HEADERS_ ALL	ORDERED_DATE	
ORDER_STATUS	OE_ORDER_HEADERS_ ALL	FLOW_STATUS_ CODE	

Document Field	Oracle Applications Table/View Name	Column Name	Description
FREIGHT_TERMS_CODE_INT	OE_ORDER_HEADERS_ ALL	FREIGHT_TERMS_ CODE	
FOB_CODE_INT	OE_ORDER_HEADERS_ ALL	FOB_POINT_ CODE	Free on Board point code.
SHIP_METHOD_INT	OE_ORDER_HEADERS_ ALL	SHIPPING_ METHOD_CODE	Shipping method.
CONVERSION_RATE	OE_ORDER_HEADERS_ ALL	CONVERSION_ RATE	
CURRENCY_CODE	OE_ORDER_HEADERS_ ALL	TRANSACTIONAL_ CURR_CODE	
ORGANIZATION_NAME	HR_ALL_ ORGANIZATION_ UNITS	NAME	Operating unit that performed this transaction.
CUSTOMER_NUMBER	RA_CUSTOMERS	CUSTOMER_ NUMBER	
CUSTOMER_NAME	RA_CUSTOMERS	CUSTOMER_ NAME	Name of customer who placed the order.
INVOICE_CODE_INT	RA_ADDRESSES_ALL	ORIG_SYSTEM_ REFERENCE	Invoice recipient's location internal code.
INVOICE_CODE_EXT	RA_ADDRESSES_ALL	ECE_TP_LOCATION _CODE	Invoice recipient's location external code.
INVOICE_NAME	HZ_CUST_SITE_USES_ ALL	LOCATION	Invoice recipient's location name.
INVOICE_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	Invoice recipient's address line 1.
INVOICE_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	Invoice recipient's address line 2.
INVOICE_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	Invoice recipient's address line 3.
INVOICE_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	Invoice recipient's address line 4.
INVOICE_CITY	RA_ADDRESSES_ALL	CITY	Invoice recipient's city.

Document Field	Oracle Applications Table/View Name	Column Name	Description
INVOICE_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	Invoice recipient's postal code.
INVOICE_COUNTRY_INT	RA_ADDRESSES_ALL	COUNTRY	Invoice recipient's country.
INVOICE_STATE_INT	RA_ADDRESSES_ALL	STATE	Invoice recipient's state.
INVOICE_PROVINCE_INT	RA_ADDRESSES_ALL	PROVINCE	Invoice recipient's province.
INVOICE_COUNTY	RA_ADDRESSES_ALL	COUNTY	Invoice recipient's county.
INVOICE_CONTACT_LAST_NAME	RA_CONTACTS	LAST_NAME	Invoice recipient's last name.
INVOICE_CONTACT_FIRST_NAME	RA_CONTACTS	FIRST_NAME	Invoice recipient's first name.
INVOICE_CONTACT_JOB_TITLE	RA_CONTACTS	JOB_TITLE	Invoice recipient's job title.
ORDER_BY_CODE_INT	RA_ADDRESSES_ALL	ORIG_SYSTEM_REFERENCE	Order recipient's location internal code.
ORDER_BY_CODE_EXT	RA_ADDRESSES_ALL	ECE_TP_LOCATION_CODE	Order recipient's location external code.
ORDER_BY_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	Order recipient's address line 1.
ORDER_BY_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	Order recipient's address line 2.
ORDER_BY_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	Order recipient's address line 3.
ORDER_BY_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	Order recipient's address line 4.
ORDER_BY_CITY	RA_ADDRESSES_ALL	CITY	Order recipient's city.
ORDER_BY_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	Order recipient's postal code.
ORDER_BY_COUNTRY_INT	RA_ADDRESSES_ALL	COUNTRY	Order recipient's country.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORDER_BY_STATE_INT	RA_ADDRESSES_ALL	STATE	Order recipient's state.
ORDER_BY_PROVINCE_INT	RA_ADDRESSES_ALL	PROVINCE	Order recipient's province.
ORDER_BY_COUNTY	RA_ADDRESSES_ALL	COUNTY	Order recipient's county.
ORDER_BY_CONTACT_LAST_NAME	RA_CONTACTS	LAST_NAME	Order recipient's last name.
ORDER_BY_CONTACT_FIRST_NAME	RA_CONTACTS	FIRST_NAME	Order recipient's first name.
ORDER_BY_CONTACT_JOB_TITLE	RA_CONTACTS	JOB_TITLE	Order recipient's job title.
ORDER_SHIP_CODE_INT	RA_ADDRESSES_ALL	ORIG_SYSTEM_REFERENCE	Order recipient's internal location code.
ORDER_SHIP_CODE_EXT	RA_ADDRESSES_ALL	ECE_TP_LOCATION_CODE	Order recipient's external location code.
ORDER_SHIP_NAME	HZ_CUST_SITE_USES_ALL	LOCATION	Order recipient's location name.
ORDER_SHIP_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	Order recipient's address line 1.
ORDER_SHIP_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	Order recipient's address line 2.
ORDER_SHIP_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	Order recipient's address line 3.
ORDER_SHIP_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	Order recipient's address line 4.
ORDER_SHIP_CITY	RA_ADDRESSES_ALL	CITY	Order recipient's city.
ORDER_SHIP_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	Order recipient's postal code.
ORDER_SHIP_COUNTRY_INT	RA_ADDRESSES_ALL	COUNTRY	Order recipient's country.
ORDER_SHIP_STATE_INT	RA_ADDRESSES_ALL	STATE	Order recipient's state.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORDER_SHIP_PROVINCE_ INT	RA_ADDRESSES_ALL	PROVINCE	Order recipient's province.
ORDER_SHIP_COUNTY	RA_ADDRESSES_ALL	COUNTY	Order recipient's county.
ORDER_SHIP_CONTACT_ LAST_NAME	RA_CONTACTS	LAST_NAME	Order recipient's last name.
ORDER_SHIP_CONTACT_ FIRST_NAME	RA_CONTACTS	FIRST_NAME	Order recipient's first name.
ORDER_SHIP_CONTACT_JOB _TITLE	RA_CONTACTS	JOB_TITLE	Order recipient's job title.
LINE_CREATION_DATE	OE_ORDER_LINES_ALL	CREATION_DATE	Order's line creation date.
LINE_MODIFIED_DATE	OE_ORDER_LINES_ALL	LAST_UPDATE_ DATE	Order line's last modified date.
LINE_ACTUAL_SHIP_DATE	OE_ORDER_LINES_ALL	ACTUAL_ SHIPMENT_DATE	Order line's actual shipment date.
LINE_REQUEST_DATE	OE_ORDER_LINES_ALL	REQUEST_DATE	Order line's request date.
LINE_PROMISE_DATE	OE_ORDER_LINES_ALL	PROMISE_DATE	Date promised to customer to receive item.
LINE_SCHEDULED_SHIP_ DATE	OE_ORDER_LINES_ALL	SCHEDULE_SHIP_ DATE	Date scheduled to ship item.
LINE_SHIPMENT_METHOD	OE_ORDER_LINES_ALL	SHIPPING_ METHOD_CODE	
HOLD_CODE	WSH_DELIVERY_ DETAILS	HOLD_CODE	
LINE_SHIP_CODE_INT	RA_ADDRESSES_ALL	ORIG_SYSTEM_ REFERENCE	Order line shipment recipient's location internal code.
LINE_SHIP_CODE_EXT	RA_ADDRESSES_ALL	ECE_TP_LOCATION _CODE	Order line shipment recipient's location external code.

Document Field	Oracle Applications Table/View Name	Column Name	Description
LINE_SHIP_NAME	HZ_CUST_SITE_USES_ALL	LOCATION	Order line shipment recipient's location name.
LINE_SHIP_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	Order line shipment recipient's address line 1.
LINE_SHIP_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	Order line shipment recipient's address line 2.
LINE_SHIP_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	Order line shipment recipient's address line 3.
LINE_SHIP_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	Order line shipment recipient's address line 4.
LINE_SHIP_CITY	RA_ADDRESSES_ALL	CITY	Order line shipment recipient's address city.
LINE_SHIP_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	Order line shipment recipient's postal code.
LINE_SHIP_COUNTRY_INT	RA_ADDRESSES_ALL	COUNTRY	Order line shipment recipient's country.
LINE_SHIP_STATE_INT	RA_ADDRESSES_ALL	STATE	Order line shipment recipient's address state.
LINE_SHIP_PROVINCE_INT	RA_ADDRESSES_ALL	PROVINCE	Order line shipment recipient's province.

Document Field	Oracle Applications Table/View Name	Column Name	Description
LINE_SHIP_COUNTY	RA_ADDRESSES_ALL	COUNTY	Order line shipment recipient's county.
LINE_SHIP_CONTACT_LAST _NAME	RA_CONTACTS	LAST_NAME	Order line shipment recipient's last name.
LINE_SHIP_CONTACT_FIRST _NAME	RA_CONTACTS	FIRST_NAME	Order line shipment recipient's first name.
LINE_SHIP_CONTACT_JOB_ TITLE	RA_CONTACTS	JOB_TITLE	Order line shipment recipient's contact job title.
NET_WEIGHT	WSH_DELIVERY_ DETAILS	NET_WEIGHT	
GROSS_WEIGHT	WSH_DELIVERY_ DETAILS	GROSS_WEIGHT	
TARE_WEIGHT	WSH_DELIVERY_ DETAILS	GROSS_WEIGHT_ NET_WEIGHT	
WEIGHT_UOM	WSH_DELIVERY_ DETAILS	WEIGHT_UOM_ CODE	Weight unit of measure.
VOLUME	WSH_DELIVERY_ DETAILS	VOLUME	
VOLUME_UOM	WSH_DELIVERY_ DETAILS	VOLUME_UOM_ CODE	Volume unit of measure.
SHIP_QUANTITY1	WSH_DELIVERY_ DETAILS	SHIPPED_ QUANTITY	Shipped quantity 1.
ORDERED_QUANTITY1	OE_ORDER_LINES_ALL	ORDERED_ QUANTITY	Ordered quantity 1.
QUANTITY1_UOM	OE_ORDER_LINES_ALL	ORDER_ QUANTITY_UOM	Unit of measure quantity 1.
SHIP_QUANTITY2	WSH_DELIVERY_ DETAILS	SHIPPED_ QUANTITY2	Shipped quantity 2.
ORDERED_QUANTITY2	OE_ORDER_LINES_ALL	ORDERED_ QUANTITY2	Ordered quantity 2.

Document Field	Oracle Applications Table/View Name	Column Name	Description
QUANTITY2_UOM	OE_ORDER_LINES_ALL	ORDERED_ QUANTITY_UOM2	Unit of measure quantity 2.
ITEM_DESCRIPTION	WSH_DELIVERY_ DETAILS	ITEM_ DESCRIPTION	Ordered item description.
ITEM	MTL_SYSTEM_ITEMS_ B_KFV	CONCATENATED_S EGMENTS	Ordered item code.
CUSTOMER_ITEM	MTL_CUSTOMER_ITEM S	CUSTOMER_ITEM_ NUMBER	
FROM_WAREHOUSE	MTL_PARAMETERS	ORGANIZATION_ CODE	Warehouse code.
FROM_WAREHOUSE_NAME	HR_ORGANIZATION_U NITS	NAME	Warehouse name.
WAREHOUSE_ADDRESS1	HR_LOCATIONS_ALL	ADDRESS_LINE_1	Warehouse address line 1.
WAREHOUSE_ADDRESS2	HR_LOCATIONS_ALL	ADDRESS_LINE_2	Warehouse address line 2.
WAREHOUSE_ADDRESS3	HR_LOCATIONS_ALL	ADDRESS_LINE_3	Warehouse address line 3.
WAREHOUSE_CITY	HR_LOCATIONS_ALL	TOWN_OR_CITY	Warehouse city.
WAREHOUSE_POSTAL_ CODE	HR_LOCATIONS_ALL	POSTAL_CODE	Warehouse postal code.
WAREHOUSE_COUNTRY_ INT	HR_LOCATIONS_ALL	COUNTRY	Warehouse country.
WAREHOUSE_REGION1_INT	HR_LOCATIONS_ALL	REGION_1	Warehouse region 1.
WAREHOUSE_REGION2_INT	HR_LOCATIONS_ALL	REGION_2	Warehouse region 2.
WAREHOUSE_REGION3_INT	HR_LOCATIONS_ALL	REGION_3	Warehouse region 3.
WAREHOUSE_TELEPHONE_1	HR_LOCATIONS_ALL	TELEPHONE_ NUMBER_1	Warehouse telephone 1.
WAREHOUSE_TELEPHONE_2	HR_LOCATIONS_ALL	TELEPHONE_ NUMBER_2	Warehouse telephone 2.
WAREHOUSE_TELEPHONE_3	HR_LOCATIONS_ALL	TELEPHONE_ NUMBER_3	Warehouse telephone 3.

Document Field	Oracle Applications Table/View Name	Column Name	Description
LIST_PRICE	OE_ORDER_LINES_ALL	UNIT_LIST_PRICE	
NET_TAX	OE_ORDER_LINES_ALL	TAX_VALUE	
UNIT_PRICE	OE_ORDER_LINES_ALL	UNIT_SELLING_ PRICE	Unit sales price.
EXTENDED_PRICE	OE_ORDER_LINES_ALL	UNIT_SELLING_ PRICE _ PRICING_ QUANTITY	
LOT_NUMBER	WSH_DELIVERY_ DETAILS	LOT_NUMBER	
SUBLOT_NUMBER	WSH_DELIVERY_ DETAILS	SUBLOT_NUMBER	
SHIP_SET_NAME	OE_SETS	SET_NAME	

Send Pick Detail Service

The name of this service is:

WmOAOMG1159.shipping1159.fromOA.pickDetail:sendPickDetail

This service provides information about the inventory transfer when the item moves from one location to another.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_pickdetails.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_pickdetails_vw.sql	Creates the views for Pick Detail: ■ WM_PICK_DETAILS_VW ■ WM_PICK_DETAILS_QRY_VW

Database Script	Description
wm_from_pickdetails_trg.sql	Creates the WM_MTL_MATERIAL_TXN_TEMP_D_TRG trigger for writing to the WM_TRACKCHANGES table to indicate a new or updated document.
wm_drop_from_pickdetails.sql	Uninstalls all components created by wm_install_pickdetails.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getPickDetailTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ **lockTxnCtrl** determines whether the sendPickDetail service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

■ If **lockTxnCtrl** service returns False, it indicates that another instance of this service is already in process. The service exits and waits for next scheduled execution.

■ If **lockTxnCtrl** service returns true, it indicates that the service is ready to execute, the PICKDETAIL row in the control table is locked and updated, and the status is changed to INPROCESS. This prevents any other PickDetail service from executing.

■ **getPickDetailTxn** service queries the Oracle Applications database for any Pick Detail Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** is the customizable step that sends the business document to a trading partner. You must customize this step to receive a Success or an Error status of the document transfer. If an error occurs during a business document transfer, then the error information is sent back to the sendPickDetail calling service. The error information passed back should have the document identifiers. If a particular

document is transferred successfully to the trading partner, no information needs to be sent back to the sendPickDetail calling service.

- Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

  - If the Debug Mode is TRUE, then based on the purge criteria, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same set of records is not picked up during next polling interval. The updateTrackChanges service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y so that same information is not picked up again during next polling instance.

  - If the Debug Mode is FALSE, then based on the purge criteria the records in the WM_TRACKCHANGES table are deleted. purgeTrackChanges service purges the records from the WM_TRACKCHANGES table.

- insertTransferERRInfo service inserts a new record in the WM_TRACKCHANGES table if an error occurs while transferring the business document, so this document can be picked up during the next polling interval.

- unlockTxnCtrl service releases the lock on the custom control table so that the next polling instance of sendPickDetail service can begin.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This business document structure is as follows:

- PICK_DETAILS

PICK_DETAILS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			PICK_DETAILS will be populated in this field.
DOCUMENT_STATUS			INSERT will be populated in this field.
TRANSACTION_ID	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ SET_ID	Transaction identifier.

Document Field	Oracle Applications Table/View Name	Column Name	Description
MOVE_ORDER_NUMBER	MTL_TXN_ REQUEST_ HEADERS	REQUEST_NUMBER	Number assigned to a move order on creation.
SCHEDULED_SHIP_DATE	OE_ORDER_LINES_ ALL	SCHEDULE_SHIP _DATE	Scheduled ship date.
ACCT_PERIOD_NAME	ORG_ACCT_ PERIODS	PERIOD_NAME	Accounting period name.
ACTUAL_COST	MTL_MATERIAL_ TRANSACTIONS	ACTUAL_COST	
COST_GROUP_NAME	CST_COST_GROUPS	COST_GROUP	Cost group identifier.
COSTED_FLAG	MTL_MATERIAL_ TRANSACTIONS	COSTED_FLAG	Identifies whether the transactions are costed.
CURRENCY_CODE	MTL_MATERIAL_ TRANSACTIONS	CURRENCY_CODE	
CURRENCY_ CONVERSION_DATE	MTL_MATERIAL_ TRANSACTIONS	CURRENCY_ CONVERSION_ DATE	
CURRENCY_ CONVERSION_RATE	MTL_MATERIAL_ TRANSACTIONS	CURRENCY_ CONVERSION_ RATE	
CURRENCY_ CONVERSION_TYPE	MTL_MATERIAL_ TRANSACTIONS	CURRENCY_ CONVERSION_ TYPE	
DEPARTMENT_CODE	BOM_ DEPARTMENTS	DEPARTMENT_ CODE	Department identifier.
DISTRIBUTION_ ACCOUNT_NUMBER	GL_CODE_ COMBINATIONS_ KFV	CONCATENATED_ SEGMENTS	Distribution account number.
EMPLOYEE_CODE	MTL_MATERIAL_ TRANSACTIONS	EMPLOYEE_CODE	
ENCUMBRANCE_ ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	ENCUMBRANCE _ACCOUNT	Encumbrance account identifier for purchase order transactions.
ENCUMBRANCE_ AMOUNT	MTL_MATERIAL_ TRANSACTIONS	ENCUMBRANCE_ AMOUNT	Total encumbrance amount.

Document Field	Oracle Applications Table/View Name	Column Name	Description
EXPENDITURE_TYPE	MTL_MATERIAL_ TRANSACTIONS	EXPENDITURE_ TYPE	Oracle Projects expenditure type.
FLOW_SCHEDULE	MTL_MATERIAL_ TRANSACTIONS	FLOW_SCHEDULE	Indicates whether the WIP transaction is a flow or a schedule type transaction.
FREIGHT_CODE	MTL_MATERIAL_ TRANSACTIONS	FREIGHT_CODE	In-transit shipment freight code.
INVENTORY_ITEM_ CODE	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATED_ SEGMENTS	Inventory item identifier.
INVOICED_FLAG	MTL_MATERIAL_ TRANSACTIONS	INVOICED_FLAG	Indicates whether the transactions are invoiced.
TO_LOCATION_ DESCRIPTION	MTL_ITEM_ LOCATIONS	DESCRIPTION	Locator identifier.
LPN_NUMBER	WMS_LICENSE_ PLATE_NUMBERS	LICENSE_PLATE_ NUMBER	License plate number.
MASTER_SCHEDULE_ UPDATE_CODE	MTL_MATERIAL_ TRANSACTIONS	MASTER_ SCHEDULE_ UPDATE_CODE	
MATERIAL_ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	MATERIAL_ ACCOUNT	
MATERIAL_OVERHEAD_ ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	MATERIAL_ OVERHEAD_ ACCOUNT	
MOVE_ORDER_TYPE_ NAME	MFG_LOOKUPS	MEANING	
NEW_COST	MTL_MATERIAL_ TRANSACTIONS	NEW_COST	Item cost after the transaction processing.
NUMBER_OF_ CONTAINERS	MTL_MATERIAL_ TRANSACTIONS	NUMBER_OF_ CONTAINERS	
OPERATION_SEQ_NUM	MTL_MATERIAL_ TRANSACTIONS	OPERATION_SEQ_ NUM	Operation sequence number in a routing.
TO_ORGANIZATION_ NAME	ORG_ ORGANIZATION_ DEFINITIONS	ORGANIZATION_ NAME	Organization name to which the material transaction has taken place.

Document Field	Oracle Applications Table/View Name	Column Name	Description
OUTSIDE_PROCESSING_ ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	OUTSIDE_ PROCESSING_ ACCOUNT	Indicates the account to be charged for outside processing.
OVERCOMPLETION_ PRIMARY_QTY	MTL_MATERIAL_ TRANSACTIONS	OVERCOMPLETIO N_PRIMARY_QTY	Over completion primary quantity.
PICKING_RULE_NAME	MTL_PICKING_ RULES	PICKING_RULE_ NAME	
PICK_SLIP_NUMBER	MTL_MATERIAL_ TRANSACTIONS	PICK_SLIP_ NUMBER	Pick slip number for the transaction line.
PRIMARY_QUANTITY	MTL_MATERIAL_ TRANSACTIONS	PRIMARY_ QUANTITY	Transaction quantity in terms of primary unit of measure of the item.
PRIOR_COST	MTL_MATERIAL_ TRANSACTIONS	PRIOR_COST	Item cost before the transaction.
PRIOR_COSTED_ QUANTITY	MTL_MATERIAL_ TRANSACTIONS	PRIOR_COSTED_ QUANTITY	Costed quantity before this transaction.
PROJECT_NAME	PA_PROJECTS_ALL	NAME	
QUANTITY_ADJUSTED	MTL_MATERIAL_ TRANSACTIONS	QUANTITY_ ADJUSTED	Standard cost quantity adjusted.
REASON_NAME	MTL_ TRANSACTION_ REASONS	REASON_NAME	Transaction reason name.
RECEIVING_DOCUMENT	MTL_MATERIAL_ TRANSACTIONS	RECEIVING_ DOCUMENT	
RESOURCE_ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	RESOURCE_ ACCOUNT	
REVISION	MTL_MATERIAL_ TRANSACTIONS	REVISION	Inventory item revision code.
SHIPMENT_COSTED	MTL_MATERIAL_ TRANSACTIONS	SHIPMENT_ COSTED	Indicates if the shipment transaction has been processed by the cost worker.
SHIPMENT_NUMBER	MTL_MATERIAL_ TRANSACTIONS	SHIPMENT_ NUMBER	In-transit shipment identifier.

Document Field	Oracle Applications Table/View Name	Column Name	Description
TO_SUBINVENTORY_ CODE	MTL_MATERIAL_ TRANSACTIONS	SUBINVENTORY_ CODE	Transaction secondary inventory to which the material transaction has taken place.
TASK_NAME	PA_TASKS	TASK_NAME	
TO_PROJECT_NAME	PA_PROJECTS_ALL	NAME	
TO_TASK_NAME	PA_TASKS	TASK_NAME	
TRANSACTION_ACTION _NAME	MFG_LOOKUPS	MEANING	Use values such as subinventory transfer or staging transfer.
TRANSACTION_COST	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ COST	Cost entered by the use during a transaction.
TRANSACTION_DATE	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ DATE	
TRANSACTION_ QUANTITY	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ QUANTITY	
TRANSACTION_ REFERENCE	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ REFERENCE	Transaction reference code.
TRANSACTION_ SOURCE_NAME	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ SOURCE_NAME	Transaction source identifier.
TRANSACTION_SOURCE _TYPE_NAME	MTL_TXN_SOURCE _TYPES	TRANSACTION_ SOURCE_TYPE_ NAME	Transaction source type identifier.
TRANSACTION_TYPE_ NAME	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ TYPE_NAME	Transaction type identifier.
TRANSACTION_UOM	MTL_MATERIAL_ TRANSACTIONS	TRANSACTION_ UOM	Transaction unit of measure.
FROM_COST	MTL_MATERIAL_ TRANSACTIONS	TRANSFER_COST	Transfer cost specified for transfers between organizations.
FROM_COST_DIST_ ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	TRANSFER_COST_ DIST_ACCOUNT	Transaction transfer cost distribution account.
FROM_COST_GROUP_ NAME	CST_COST_GROUPS	COST_GROUP	Transfer cost group identifier

Document Field	Oracle Applications Table/View Name	Column Name	Description
FROM_LOCATION_ DESCRIPTION	MTL_ITEM_LOCATI ONS	DESCRIPTION	Subinventory locator identifier from which the material transaction takes place.
FROM_ORGANIZATION_ NAME	ORG_ ORGANIZATION_ DEFINITIONS	ORGANIZATION_ NAME	Organization name from which material transaction has taken place.
FROM_SUBINVENTORY_ CODE	MTL_MATERIAL_ TRANSACTIONS	TRANSFER_ SUBINVENTORY	Subinventory code from which material transfer has been initiated.
TRANSPORTATION_ COST	MTL_MATERIAL_ TRANSACTIONS	TRANSPORTATION _COST	Transfer transportation cost.
TRANSPORTATION_ DIST_ACCOUNT	MTL_MATERIAL_ TRANSACTIONS	TRANSPORTATION _DIST_ACCOUNT	Transfer transportation distribution account.
USSGL_TRANSACTION_ CODE	MTL_MATERIAL_ TRANSACTIONS	USSGL_ TRANSACTION_ CODE	USSGL transaction code.
VALUE_CHANGE	MTL_MATERIAL_ TRANSACTIONS	VALUE_CHANGE	Value change used for average cost update.
VARIANCE_AMOUNT	MTL_MATERIAL_ TRANSACTIONS	VARIANCE_ AMOUNT	Used for average cost update transactions.
VENDOR_LOT_NUMBER	MTL_MATERIAL_ TRANSACTIONS	VENDOR_LOT_ NUMBER	Supplier lot number.
WAYBILL_AIRBILL	MTL_MATERIAL_ TRANSACTIONS	WAYBILL_AIRBILL	Air bill/waybill number.

Send Sales Order Service

The name of this service is:

WmOAOMG1159.orderManagement1159.fromOA.salesOrder:sendSalesOrder

This service notifies and delivers sales order changes. This service selects Booked Order Records only.

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_from_salesorder.sql	Runs all the scripts listed below, except the uninstall script.
wm_from_salesorder_vw.sql	Creates required views for Sales Order outbound transactions: ■ WM_ORDER_HEADERS_VW ■ WM_ORDER_LINES_VW ■ WM_SALES_CREDITS_VW ■ WM_HEADER_SALES_CREDIT_VW ■ WM_PRICE_ADJ_VW ■ WM_HEADER_PRICE_ADJ_VW ■ WM_PRICE_ATTRIBS_VW ■ WM_HEADER_PRICE_ATTRB_VW ■ WM_OE_RESERVTNS_VW ■ WM_LOTSERIALS_VW ■ WM_OE_ACTIONS_VW ■ WM_OE_LINE_ACTIONS_VW ■ WM_ORDER_HEADER_QRY_VW

Database Script	Description
wm_from_salesorder_trg.sql	Creates the following trigger components to be used for writing to the WM_TRACKCHANGES table to indicate a new or updated document: ■ WM_ORDER_HEADERS_IU_TRG ■ WM_ORDER_LINES_IUD_TRG ■ WM_SALES_CREDITS_IUD_TRG ■ WM_OE_LOTSERIAL_IUD_TRG ■ WM_OE_PRICE_ADJ_IUD_TRG ■ WM_OE_PRICE_ATTRIBS_IUD_TRG ■ WM_LINE_SETS_IUD_TRG
wm_drop_from_salesorder.sql	Uninstalls all components created by wm_install_from_salesorder.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getSalesOrderTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ lockTxnCtrl determines whether the Send Sales Order service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

  ■ If lockTxnCtrl service returns False, another instance of this service is already in process. The service exits, and waits for next scheduled execution.

- If **lockTxnCtrl** service returns True, the service is ready to execute. The SalesOrder row in the control table is locked and updated so that the status is changed to INPROCESS, which prevents other SalesOrder services from executing.

■ **getSalesOrderTxn** service queries the Oracle Applications database for any SalesOrder Transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ **processBizDoc** is the customizable step which sends the business document to the trading partner by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the error information. The transfer status and any error information are logged against each document.

■ Loop against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

- If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same sets of records are not picked up during next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y and PROCESSED_DATE to sysdate so that same information is not picked up again during next polling instance.

- If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. The **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

■ Loop against each document. Based on the Transfer Status, **insertTransferERRInfo** service inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

■ **unlockTxnCtrl** service releases the lock on the Custom Control table so that next polling instance of Send Vendor service can begin.

■ **getLastError** logs any errors that occur in the above steps.

■ **unlockTxnCtrl** service releases the lock on the Custom Control table.

For more details on send transactions, see .

Business Document Structure

This business document structure is as follows:

- 1.0 ORDER_HEADERS
    - 1.1 ORDER_LINES
        - 1.1.1 PRICE_ADJ
        - 1.1.2 PRICE_ATTRIBS
        - 1.1.3 LOTSERIALS
        - 1.1.4 SALES_CREDITS
        - 1.1.5 OE_RESERVTNS
        - 1.1.6 OE_LINE_ACTIONS
    - 1.2 **HEADER_PRICE_ATTRIB
    - 1.3 **HEADER_PRICE_HEADER_PRICE_ADJ
    - 1.4 **HEADER_SALES_CREDIT
    - 1.5** OE_ACTIONS

**Some services use the same field names and column mappings as follows:

For These Documents...	Use the following table:
- 1.2 HEADER_PRICE_ATTRIB	"1.1.2 PRICE_ATTRIBS" on page 540, with the exception that of LINE_ID since it represents the order's price attributes.
- 1.3 HEADER_PRICE_ADJ	"1.1.1 PRICE_ADJ" on page 537, with the exception that of LINE_ID since it represents the order's price adjustments.
- 1.4 HEADER_SALES_CREDIT	"1.1.4 SALES_CREDITS" on page 542, with the exception that of LINE_ID since it represents the order's price credits.
- 1.5 OE_ACTIONS This business document structure is the same as "1.1.6 OE_LINE_ACTIONS" on page 544. However, 1.5. Order Actions' business document structure excludes LINE_ID since it represents order actions.	"1.1.6 OE_LINE_ACTIONS" on page 544. with the exception that of LINE_ID since it represents the order actions.

1.0 ORDER_HEADERS

Field Name	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use ORDER.
DOCUMENT_STATUS			Valid values are INSERT, UPDATE and DELETE.
HEADER_ID	OE_ORDER_HEADERS_ ALL	HEADER_ID	
FLOW_STATUS_CODE	OE_ORDER_HEADERS_ ALL	FLOW_STATUS_ CODE	Order flow status code.
ORDER_TYPE	OE_TRANSACTION_ TYPES_TL	NAME	
ORGANIZATION_NAME	HR_ALL_ ORGANIZATION_ UNITS	NAME	
ORDER_NUMBER	OE_ORDER_HEADERS_ ALL	ORDER_NUMBER	Unique number assigned to the order.
VERSION_NUMBER	OE_ORDER_HEADERS_ ALL	VERSION_NUMBER	Order version number.
ORDERED_DATE	OE_ORDER_HEADERS_ ALL	ORDERED_DATE	Date of the order.
ORDER_CATEGORY	OE_LOOKUPS	MEANING	
ORDER_SOURCE	OE_ORDER_SOURCES	NAME	
PRICE_LIST	QP_LIST_HEADERS_TL	NAME	
ORIG_SYS_DOCUMENT_ REF	OE_ORDER_HEADERS_ ALL	ORIG_SYS_ DOCUMENT_REF	Original document reference for the order in the external system.
CONVERSION_RATE	OE_ORDER_HEADERS_ ALL	CONVERSION_RATE	
CONVERSION_RATE_ DATE	OE_ORDER_HEADERS_ ALL	CONVERSION_RATE_ DATE	
CONVERSION_TYPE_ CODE	OE_ORDER_HEADERS_ ALL	CONVERSION_TYPE_ CODE	

Field Name	Oracle Applications Table/View Name	Column Name	Description
CONVERSION_TYPE	GL_DAILY_CONVERSION_TYPES	USER_CONVERSION_TYPE	
TRANSACTIONAL_CURR_CODE	OE_ORDER_HEADERS_ALL	TRANSACTIONAL_CURR_CODE	Currency Code.
SALESREP	RA_SALESREPS_ALL	NAME	Sales representative's name.
SALES_CHANNEL_CODE	OE_ORDER_HEADERS_ALL	SALES_CHANNEL_CODE	Sales channel through which order was placed.
SALES_CHANNEL	OE_LOOKUPS	MEANING	
RETURN_REASON_CODE	OE_ORDER_HEADERS_ALL	RETURN_REASON_CODE	
RETURN_REASON	FND_LOOKUP_VALUES	MEANING	
TAX_POINT_CODE	OE_ORDER_HEADERS_ALL	TAX_POINT_CODE	
TAX_POINT	OE_LOOKUPS	MEANING	Tax point description.
TAX_EXEMPT_FLAG	OE_ORDER_HEADERS_ALL	TAX_EXEMPT_FLAG	Use: S for Standard E for Exempt R for Required
TAX_EXEMPT_NUMBER	OE_ORDER_HEADERS_ALL	TAX_EXEMPT_NUMBER	Tax exemption number.
TAX_EXEMPT_REASON_CODE	OE_ORDER_HEADERS_ALL	TAX_EXEMPT_REASON_CODE	Tax exemption reason code.
TAX_EXEMPT_REASON	AR_LOOKUPS	MEANING	Tax exemption reason.
AGREEMENT	OE_AGREEMENTS_TL	NAME	
INVOICING_RULE	RA_RULES	NAME	
ACCOUNTING_RULE	RA_RULES	NAME	
PAYMENT_TERM	RA_TERMS_TL	NAME	
DEMAND_CLASS_CODE	OE_ORDER_HEADERS_ALL	DEMAND_CLASS_CODE	

Field Name	Oracle Applications Table/View Name	Column Name	Description
DEMAND_CLASS	OE_FND_COMMON_ LOOKUPS_V	MEANING	
SHIPMENT_PRIORITY_ CODE	OE_ORDER_HEADERS_ ALL	SHIPMENT_PRIORITY _CODE	
SHIPMENT_PRIORITY	OE_LOOKUPS	MEANING	
SHIPMENT_PRIORITY_ CODE_INT	OE_ORDER_HEADERS_ ALL	SHIPMENT_PRIORITY _CODE	
SHIPPING_METHOD_ CODE	OE_ORDER_HEADERS_ ALL	SHIPPING_METHOD_ CODE	
SHIPPING_METHOD	OE_SHIP_METHODS_V	MEANING	
FREIGHT_CARRIER_ CODE	OE_ORDER_HEADERS_ ALL	FREIGHT_CARRIER_ CODE	
FREIGHT_CARRIER	ORG_FREIGHT	DESCRIPTION	
FREIGHT_TERMS_CODE	OE_ORDER_HEADERS_ ALL	FREIGHT_TERMS_CO DE	
FREIGHT_TERMS	OE_LOOKUPS	MEANING	
FOB_POINT_CODE	OE_ORDER_HEADERS_ ALL	FOB_POINT_CODE	Free on Board point code.
FOB_POINT	AR_LOOKUPS	MEANING	
PARTIAL_SHIPMENTS_ ALLOWED	OE_ORDER_HEADERS_ ALL	PARTIAL_SHIPMENT S_ALLOWED	
SHIP_TOLERANCE_ ABOVE	OE_ORDER_HEADERS_ ALL	SHIP_TOLERANCE_ ABOVE	Over shipment or return tolerance.
SHIP_TOLERANCE_ BELOW	OE_ORDER_HEADERS_ ALL	SHIP_TOLERANCE_ BELOW	Under shipment or return Tolerance.
SHIPPING_ INSTRUCTIONS	OE_ORDER_HEADERS_ ALL	SHIPPING_ INSTRUCTIONS	
PACKING_ NSTRUCTIONS	OE_ORDER_HEADERS_ ALL	PACKING_ INSTRUCTIONS	
ORDER_DATE_TYPE_ CODE	OE_ORDER_HEADERS_ ALL	ORDER_DATE_TYPE_ CODE	
EARLIEST_SCHEDULE _LIMIT	OE_ORDER_HEADERS_ ALL	EARLIEST_ SCHEDULE_LIMIT	Number of days earlier than the requested date to ship item.

Field Name	Oracle Applications Table/View Name	Column Name	Description
LATEST_SCHEDULE_LIMIT	OE_ORDER_HEADERS_ALL	LATEST_SCHEDULE_LIMIT	Number of days later than the requested date to ship item.
CUST_PO_NUMBER	OE_ORDER_HEADERS_ALL	CUST_PO_NUMBER	
PAYMENT_TYPE_CODE	OE_ORDER_HEADERS_ALL	PAYMENT_TYPE_CODE	Type of payment for orders such as cash, check, or credit.
PAYMENT_AMOUNT	OE_ORDER_HEADERS_ALL	PAYMENT_AMOUNT	Amount of payment.
CHECK_NUMBER	OE_ORDER_HEADERS_ALL	CHECK_NUMBER	Check number if paid by check.
CREDIT_CARD_CODE	OE_ORDER_HEADERS_ALL	CREDIT_CARD_CODE	Credit card name if paid by credit card.
CREDIT_CARD_HOLDER_NAME	OE_ORDER_HEADERS_ALL	CREDIT_CARD_HOLDER_NAME	Credit card holder name if paid by credit card.
CREDIT_CARD_NUMBER	OE_ORDER_HEADERS_ALL	CREDIT_CARD_NUMBER	Credit card number if paid by credit card.
CREDIT_CARD_EXPIRATION_DATE	OE_ORDER_HEADERS_ALL	CREDIT_CARD_EXPIRATION_DATE	Credit card expiration date if paid by credit card.
CREDIT_CARD_APPROVAL_CODE	OE_ORDER_HEADERS_ALL	CREDIT_CARD_APPROVAL_CODE	Credit card approval code if paid by credit card.
SOLD_FROM_ORG	HR_ALL_ORGANIZATION_UNITS	NAME	
SOLD_TO_ORG	HZ_PARTIES	PARTY_NAME	
SHIP_FROM_ORG	HR_ALL_ORGANIZATION_UNITS	NAME	
SHIP_TO_ORG	RA_SITE_USES_ALL	LOCATION	
SHIP_TO_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	
SHIP_TO_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	
SHIP_TO_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	

Field Name	Oracle Applications Table/View Name	Column Name	Description
SHIP_TO_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	
SHIP_TO_CITY	RA_ADDRESSES_ALL	CITY	
SHIP_TO_COUNTY	RA_ADDRESSES_ALL	COUNTY	
SHIP_TO_STATE	RA_ADDRESSES_ALL	STATE	
SHIP_TO_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	
SHIP_TO_PROVINCE	RA_ADDRESSES_ALL	PROVINCE	
SHIP_TO_COUNTRY	RA_ADDRESSES_ALL	COUNTRY	
SHIP_TO_CUSTOMER_ NUMBER	RA_CUSTOMERS	CUSTOMER_ NUMBER	Ship To sales order number.
SHIP_TO_CUSTOMER	RA_CUSTOMERS	CUSTOMER_NAME	Ship To sales order name.
INVOICE_TO_ORG	RA_SITE_USES_ALL	LOCATION	Invoice To organization.
INVOICE_ADDRESS1	RA_ADDRESSES_ALL	ADDRESS1	Invoice To address line 1.
INVOICE_ADDRESS2	RA_ADDRESSES_ALL	ADDRESS2	Invoice To address line 2.
INVOICE_ADDRESS3	RA_ADDRESSES_ALL	ADDRESS3	Invoice To address line 3.
INVOICE_ADDRESS4	RA_ADDRESSES_ALL	ADDRESS4	Invoice To address line 4.
INVOICE_CITY	RA_ADDRESSES_ALL	CITY	Invoice To city.
INVOICE_COUNTY	RA_ADDRESSES_ALL	COUNTY	Invoice To county.
INVOICE_STATE	RA_ADDRESSES_ALL	STATE	Invoice To state.
INVOICE_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	Invoice To postal code.
INVOICE_PROVINCE_ INT	RA_ADDRESSES_ALL	PROVINCE	Invoice To province.
INVOICE_COUNTRY	RA_ADDRESSES_ALL	COUNTRY	Invoice To country.
INVOICE_CUSTOMER_ NUMBER	RA_CUSTOMERS	CUSTOMER_ NUMBER	Invoice's sales order number.
INVOICE_CUSTOMER	RA_CUSTOMERS	CUSTOMER_NAME	Invoice's sales order name.

Field Name	Oracle Applications Table/View Name	Column Name	Description
DELIVER_TO_ORG	RA_SITE_USES_ALL	LOCATION	Deliver To organization.
DELIVER_TO_CONTACT	OE_CONTACTS_V	NAME	Deliver To contact.
DELIVER_TO_ CUSTOMER_NUMBER	RA_CUSTOMERS	CUSTOMER_ NUMBER_ DELIVER_TO_CUSTO MER_NUMBER,	Deliver To sales order number.
DELIVER_TO_ CUSTOMER	RA_CUSTOMERS	CUSTOMER_NAME	Deliver To sales order name.
SOLD_TO_CONTACT	RA_CONTACTS	LAST_NAME || FIRST_NAME || TITLE	
SHIP_TO_CONTACT_ FIRST_NAME	RA_CONTACTS	FIRST_NAME	
SHIP_TO_CONTACT LAST_NAME	RA_CONTACTS	LAST_NAME	
SHIP_TO_CONTACT	RA_CONTACTS	LAST_NAME || FIRST_NAME||TITLE	
INVOICE_TO_CONTACT_ FIRST_NAME	RA_CONTACTS	FIRST_NAME	Invoice to contact first name.
INVOICE_TO_CONTACT_ LAST_NAME	RA_CONTACTS	LAST_NAME	Invoice to contact last name.
INVOICE_TO_CONTACT	RA_CONTACTS	LAST_NAME || FIRST_NAME||TITLE	Invoice to contact name.
CREDIT_CARD_APPROV AL_DATE	OE_ORDER_HEADERS_ ALL	CREDIT_CARD_ APPROVAL_DATE	
BOOKED_FLAG	OE_ORDER_HEADERS_ ALL	BOOKED_FLAG	Indicates order was booked.
CANCELLED_FLAG	OE_ORDER_HEADERS_ ALL	CANCELLED_FLAG	Indicate orders was cancelled.
CHANGE_SEQUENCE	OE_ORDER_HEADERS_ ALL	CHANGE_SEQUENCE	
CUSTOMER_NUMBER	RA_CUSTOMERS	CUSTOMER_ NUMBER	Number of the sales order.
CUSTOMER_NAME	RA_CUSTOMERS	CUSTOMER_NAME	Name of the sales order.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CHANGE_REQUEST_ CODE			Not used for outbound transactions.
ORDERED_BY_CONTACT _FIRST_NAME			Not used for outbound transactions.
ORDERED_BY_CONTACT _LAST_NAME			Not used for outbound transactions.
HEADER_PO_CONTEXT			Purchase order context.Not used for outbound transactions.
PO_REVISION_DATE			Purchase order revision date. Not used for outbound transactions.
CHANGE_REASON			Not used for outbound transactions.
CHANGE_COMMENT			Not used for outbound transactions.
OPERATION_CODE			Not used for outbound transactions.
CLOSED_FLAG			Not used for outbound transactions.
REJECTED_FLAG			Not used for outbound transactions.
READY_FLAG			Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
STATUS_FLAG			Not used for outbound transactions.
FORCE_APPLY_FLAG			Not used for outbound transactions.

1.1 ORDER_LINES

Field Name	Oracle Applications Table/View Name	Column Name	Description
LINE_ID	OE_ORDER_LINES_ALL	LINE_ID	Order line identifier.
HEADER_ID	OE_ORDER_LINES_ALL	HEADER_ID	Order header identifier that is the same HEADER_ID as the one on the order.
LINE_NUMBER	OE_ORDER_LINES_ALL	LINE_NUMBER	Line sequence number within the order.
FLOW_STATUS_CODE	OE_ORDER_LINES_ALL	FLOW_STATUS_CODE	Order line status flow.
CHANGE_SEQUENCE			Not used for outbound transactions.
CHANGE_REQUEST_CODE			Not used for outbound transactions.
ORDER_SOURCE	OE_ORDER_SOURCES	NAME	
ORIG_SYS_LINE_REF	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	Identifier of line from a source system outside Oracle Order Management.
ORIG_SYS_SHIPMENT_REF	OE_ORDER_LINES_ALL	ORIG_SYS_SHIPMENT_REF	Original shipment information for the order line in the external system.
SHIPMENT_NUMBER	OE_ORDER_LINES_ALL	SHIPMENT_NUMBER	System-generated identifier of a shipment within a line.
SPLIT_LINE_LINE_REF	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	Split line identifier of line from a source system outside Oracle Order Management.

Field Name	Oracle Applications Table/View Name	Column Name	Description
LINE_TYPE	OE_TRANSACTION_TYPES_TL	NAME	Line transaction type.
ITEM_TYPE_CODE	OE_ORDER_LINES_ALL	ITEM_TYPE_CODE	
ITEM_TYPE	OE_LOOKUPS	MEANING	
SOURCE_TYPE_CODE	OE_ORDER_LINES_ALL	SOURCE_TYPE_CODE	
SOURCE_TYPE	OE_LOOKUPS	MEANING	
SCHEDULE_STATUS_CODE	OE_ORDER_LINES_ALL	SCHEDULE_STATUS_CODE	
SCHEDULE_STATUS	OE_LOOKUPS	MEANING	
INVENTORY_ITEM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	
TOP_MODEL_LINE_REF	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	Top parent line.
LINK_TO_LINE_REF	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	Immediate parent component line.
ATO_LINE_REF	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	ATO configuration top model line.
EXPLOSION_DATE	OE_ORDER_LINES_ALL	EXPLOSION_DATE	Date when the included items were exploded and frozen.
COMPONENT_CODE	OE_ORDER_LINES_ALL	COMPONENT_CODE	Component within an exploded bill.
SORT_ORDER	OE_ORDER_LINES_ALL	SORT_ORDER	Sorting sequence for a component in the ordered bill.
MODEL_GROUP_NUMBER	OE_ORDER_LINES_ALL	MODEL_GROUP_NUMBER	
OPTION_NUMBER	OE_ORDER_LINES_ALL	OPTION_NUMBER	Option or class in a model.
OPTION_FLAG	OE_ORDER_LINES_ALL	OPTION_FLAG	
SHIP_MODEL_COMPLETE_FLAG	OE_ORDER_LINES_ALL	SHIP_MODEL_COMPLETE_FLAG	Indicates the line is in ship–complete configuration.

Field Name	Oracle Applications Table/View Name	Column Name	Description
SCHEDULE_SHIP_ DATE	OE_ORDER_LINES_ ALL	SCHEDULE_SHIP_ DATE	Date scheduled to ship item.
SCHEDULE_ARRIVAL_ DATE	OE_ORDER_LINES_ ALL	SCHEDULE_ ARRIVAL_DATE	Date scheduled for the item to arrive at the sales order site.
ACTUAL_ARRIVAL_ DATE	OE_ORDER_LINES_ ALL	ACTUAL_ARRIVAL _DATE	Date the item actually arrived at sales order's site
REQUEST_DATE	OE_ORDER_LINES_ ALL	REQUEST_DATE	Ordered item request date.
PROMISE_DATE	OE_ORDER_LINES_ ALL	PROMISE_DATE	Date promised to sales order to receive item.
DELIVERY_LEAD_TIME	OE_ORDER_LINES_ ALL	DELIVERY_LEAD_ TIME	
ORDERED_QUANTITY	OE_ORDER_LINES_ ALL	ORDERED_ QUANTITY	
ORDER_QUANTITY_ UOM	OE_ORDER_LINES_ ALL	ORDER_QUANTITY _UOM	Ordered quantity unit of measurement.
SHIPPING_QUANTITY	OE_ORDER_LINES_ ALL	SHIPPING_ QUANTITY	
SHIPPING_QUANTITY_ UOM	OE_ORDER_LINES_ ALL	SHIPPING_ QUANTITY_UOM	Shipping quantity unit of measurement.
SHIPPED_QUANTITY	OE_ORDER_LINES_ ALL	SHIPPED_ QUANTITY	
CANCELLED_QUANTI TY	OE_ORDER_LINES_ ALL	CANCELLED_ QUANTITY	
FULFILLED_QUANTITY	OE_ORDER_LINES_ ALL	FULFILLED_ QUANTITY	
PRICING_QUANTITY	OE_ORDER_LINES_ ALL	PRICING_ QUANTITY	
PRICING_QUANTITY_ UOM	OE_ORDER_LINES_ ALL	PRICING_ QUANTITY_UOM	Pricing quantity unit of measurement.
SOLD_FROM_ORG	HR_ALL_ ORGANIZATION_ UNITS	NAME	
SOLD_TO_ORG	HZ_PARTIES	PARTY_NAME	Sales order to whom the item is sold.

Field Name	Oracle Applications Table/View Name	Column Name	Description
SHIP_FROM_ORG	HR_ALL_ ORGANIZATION_ UNITS	NAME	Ship From organization
DELIVERY_NAME			Not used for outbound transactions.
SHIP_TO_ORG	RA_SITE_USES_ALL	LOCATION	Ship To organization.
SHIP_TO_ADDRESS1	RA_ADDRESSES_ ALL	ADDRESS1	Ship To address line 1.
SHIP_TO_ADDRESS2	RA_ADDRESSES_ ALL	ADDRESS2	Ship To address line 2.
SHIP_TO_ADDRESS3	RA_ADDRESSES_ ALL	ADDRESS3	Ship To address line 3.
SHIP_TO_ADDRESS4	RA_ADDRESSES_ ALL	ADDRESS4	Ship To address line 4.
SHIP_TO_CITY	RA_ADDRESSES_ ALL	CITY	
SHIP_TO_COUNTY	RA_ADDRESSES_ ALL	COUNTY	
SHIP_TO_STATE	RA_ADDRESSES_ ALL	STATE	
SHIP_TO_POSTAL_ CODE	RA_ADDRESSES_ ALL	POSTAL_CODE	
SHIP_TO_COUNTRY	RA_ADDRESSES_ ALL	COUNTRY	
DELIVER_TO_ORG	RA_SITE_USES_ALL	LOCATION	Deliver To organization.
INVOICE_TO_ORG	RA_SITE_USES_ALL	LOCATION	Invoice To organization.
BILL_TO_ADDRESS1	RA_ADDRESSES_ ALL	ADDRESS1	Bill To address line 1.
BILL_TO_ADDRESS2	RA_ADDRESSES_ ALL	ADDRESS2	Bill To address line 2.
BILL_TO_ADDRESS3	RA_ADDRESSES_ ALL	ADDRESS3	Bill To address line 3.
BILL_TO_ADDRESS4	RA_ADDRESSES_ ALL	ADDRESS4	Bill To address line 4.

Field Name	Oracle Applications Table/View Name	Column Name	Description
BILL_TO_CITY	RA_ADDRESSES_ALL	CITY	
BILL_TO_COUNTY	RA_ADDRESSES_ALL	COUNTY	
BILL_TO_STATE	RA_ADDRESSES_ALL	STATE	
BILL_TO_POSTAL_CODE	RA_ADDRESSES_ALL	POSTAL_CODE	
BILL_TO_COUNTRY	RA_ADDRESSES_ALL	COUNTRY	
SHIP_TO_CONTACT_FIRST_NAME	RA_CONTACTS	FIRST_NAME	
SHIP_TO_CONTACT_LAST_NAME	RA_CONTACTS	LAST_NAME	
SHIP_TO_CONTACT_JOB_TITLE	RA_CONTACTS	JOB_TITLE	
SHIP_TO_CONTACT	RA_CONTACTS	LAST_NAME|| FIRST_NAME|| TITLE	
DELIVER_TO_CONTACT	OE_CONTACTS_V	NAME	
INVOICE_TO_CONTACT	OE_CONTACTS_V	NAME	
DROP_SHIP_FLAG			Not used for outbound transactions.
VEH_CUS_ITEM_CUM_KEY	OE_ORDER_LINES_ALL	VEH_CUS_ITEM_CUM_KEY_ID	Sales order item key.
CUST_PRODUCTION_SEQ_NUM	OE_ORDER_LINES_ALL	CUST_PRODUCTION_SEQ_NUM	Sales order production sequence number.
LOAD_SEQ_NUMBER			Load sequence number. Not used for outbound transactions.
OVER_SHIP_REASON_CODE	OE_ORDER_LINES_ALL	OVER_SHIP_REASON_CODE	

Field Name	Oracle Applications Table/View Name	Column Name	Description
OVER_SHIP_RESOLVED _FLAG	OE_ORDER_LINES_ ALL	OVER_SHIP_ RESOLVED_FLAG	
AUTHORIZED_TO_ SHIP_FLAG	OE_ORDER_LINES_ ALL	AUTHORIZED_TO_ SHIP_FLAG	Indicates whether the demand lines are authorized to ship.
SHIP_TOLERANCE_ ABOVE	OE_ORDER_LINES_ ALL	SHIP_TOLERANCE_ ABOVE	Over shipment or return tolerance.
SHIP_TOLERANCE_ BELOW	OE_ORDER_LINES_ ALL	SHIP_TOLERANCE_ BELOW	Under shipment or return tolerance.
SHIP_SET_NAME	OE_SETS	SET_NAME	
ARRIVAL_SET_NAME	OE_SETS	SET_NAME	
PRICE_LIST	QP_LIST_HEADERS _VL	NAME	
PRICING_DATE	OE_ORDER_LINES_ ALL	PRICING_DATE	
UNIT_LIST_PRICE	OE_ORDER_LINES_ ALL	UNIT_LIST_PRICE	
UNIT_LIST_PRICE_PER _PQTY	OE_ORDER_LINES_ ALL	UNIT_LIST_PRICE_ PER_PQTY	
UNIT_SELLING_PRICE	OE_ORDER_LINES_ ALL	UNIT_SELLING_ PRICE	
UNIT_SELLING_PRICE_ PER_PQTY	OE_ORDER_LINES_ ALL	UNIT_SELLING_ PRICE_PER_PQTY	
TAX_DATE	OE_ORDER_LINES_ ALL	TAX_DATE	
TAX_CODE	OE_ORDER_LINES_ ALL	TAX_CODE	
TAX_VALUE	OE_ORDER_LINES_ ALL	TAX_VALUE	
CALCULATED_PRICE_ FLAG			Indicates if price is to be calculated. Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
TAX_EXEMPT_FLAG	OE_ORDER_LINES_ ALL	TAX_EXEMPT_ FLAG	For the order line. Use: S for Standard E for Exempt R for Required
TAX_EXEMPT_ NUMBER	OE_ORDER_LINES_ ALL	TAX_EXEMPT_ NUMBER	Tax exemption number.
TAX_EXEMPT_REASON _CODE	OE_ORDER_LINES_ ALL	TAX_EXEMPT_ REASON_CODE	Tax exemption reason code.
TAX_EXEMPT_REASON	AR_LOOKUPS	MEANING	Tax exemption reason.
TAX_POINT_CODE	OE_ORDER_LINES_ ALL	TAX_POINT_CODE	
TAX_POINT	OE_LOOKUPS	MEANING	
AGREEMENT	OE_AGREEMENTS_ TL	NAME	
ACCOUNTING_RULE	RA_RULES	MEANING	
INVOICING_RULE	RA_RULES	MEANING	
PAYMENT_TERM	RA_TERMS_TL	NAME	
DEMAND_CLASS_ CODE	OE_ORDER_LINES_ ALL	DEMAND_CLASS_ CODE	
DEMAND_CLASS	OE_FND_COMMON _LOOKUPS_V	MEANING	
SHIPMENT_PRIORITY_ CODE	OE_ORDER_LINES_ ALL	SHIPMENT_ PRIORITY_CODE	
SHIPMENT_PRIORITY	OE_LOOKUPS	MEANING	
SHIPPING_METHOD_ CODE	OE_ORDER_LINES_ ALL	SHIPPING_ METHOD_CODE	
SHIPPING_METHOD	OE_LOOKUPS	MEANING	
FREIGHT_CARRIER_ CODE	OE_ORDER_LINES_ ALL	FREIGHT_CARRIER _CODE	
FREIGHT_CARRIER	ORG_FREIGHT	DESCRIPTION	
FREIGHT_TERMS_ CODE	OE_ORDER_LINES_ ALL	FREIGHT_TERMS_ CODE	
FREIGHT_TERMS	OE_LOOKUPS	MEANING	

Field Name	Oracle Applications Table/View Name	Column Name	Description
FOB_POINT_CODE	OE_ORDER_LINES_ALL	FOB_POINT_CODE	
FOB_POINT	AR_LOOKUPS	MEANING	
SALESREP	RA_SALESREPS_ALL	NAME	Sales representative's name.
SHIPPING_INSTRUCTIONS	OE_ORDER_LINES_ALL	SHIPPING_INSTRUCTIONS	
PACKING_INSTRUCTIONS	OE_ORDER_LINES_ALL	PACKING_INSTRUCTIONS	
RETURN_REASON_CODE	OE_ORDER_LINES_ALL	RETURN_REASON_CODE	
RETURN_REASON	FND_LOOKUP_VALUES	MEANING	
REFERENCE_TYPE	OE_ORDER_LINES_ALL	REFERENCE_TYPE	
REFERENCE_HEADER	OE_ORDER_HEADERS_ALL	ORIG_SYS_DOCUMENT_REF	Sales order header that the return line references.
REFERENCE_LINE	OE_ORDER_LINES_ALL	ORIG_SYS_LINE_REF	Sales order line that the return line references.
CREDIT_INVOICE_NUMBER	RA_CUSTOMER_TRX_ALL	TRX_NUMBER	
CUSTOMER_LINE_NUMBER	OE_ORDER_LINES_ALL	CUSTOMER_LINE_NUMBER	Sales order line number.
CUSTOMER_PO_NUMBER	OE_ORDER_LINES_ALL	CUST_PO_NUMBER	Sales order purchase number.
CUSTOMER_SHIPMENT_NUMBER	OE_ORDER_LINES_ALL	CUSTOMER_SHIPMENT_NUMBER	Sales order shipment number.
CUSTOMER_ITEM_NAME	MTL_CUSTOMER_ITEMS	CUSTOMER_ITEM_NUMBER	Sales order item name.
CUSTOMER_ITEM_REVISION			Sales order item revision.Not used for outbound transactions.
CUSTOMER_ITEM_NET_PRICE	OE_ORDER_LINES_ALL	CUSTOMER_ITEM_NET_PRICE	Sales order item net price.

Field Name	Oracle Applications Table/View Name	Column Name	Description
DEMAND_BUCKET_ TYPE_CODE	OE_ORDER_LINES_ ALL	DEMAND_BUCKET _TYPE_CODE	Demand bucket type code.
CUSTOMER_DOCK_ CODE	OE_ORDER_LINES_ ALL	CUSTOMER_DOCK _CODE	Sales order dock code.
CUSTOMER_JOB	OE_ORDER_LINES_ ALL	CUSTOMER_JOB	Sales order job.
CUSTOMER_ PRODUCTION_LINE	OE_ORDER_LINES_ ALL	CUSTOMER_ PRODUCTION_ LINE	Sales order production line.
CUST_MODEL_SERIAL_ NUMBER	OE_ORDER_LINES_ ALL	CUST_MODEL_ SERIAL_NUMBER	Sales order model serial number.
PROJECT	PA_PROJECTS_ALL	NAME	Project name.
TASK	PA_TASKS	TASK_NAME	Task name.
FULFILLMENT_SET_ NAME	OE_SETS	SET_NAME	Fulfillment set name.
END_ITEM_UNIT_ NUMBER	OE_ORDER_LINES_ ALL	END_ITEM_UNIT_ NUMBER	Bill of material for building a specific mode or unit number controlled item.
ITEM_REVISION	OE_ORDER_LINES_ ALL	ITEM_REVISION	Item revision for a return line.
SCHEDULE_DATE			Not used for outbound transactions.
SHIP_TO_CONTACT_ AREA_CODE1			Ship To contact area 1. Not used for outbound transactions.
SHIP_TO_CONTACT_ AREA_CODE2			Ship To contact area 2. Not used for outbound transactions.
SHIP_TO_CONTACT_ AREA_CODE3			Ship To contact area 3. Not used for outbound transactions.
CUSTOMER_ITEM_ID_ TYPE			Sales order item type. Not used for outbound transactions.
INVOICE_SET_NAME			Invoice set name. Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
TAX			Not used for outbound transactions.
SCHEDULE_ITEM_ DETAIL			Not used for outbound transactions.
DEMAND_STREAM			Not used for outbound transactions.
SERVICE_DURATION	OE_ORDER_LINES_ ALL	SERVICE_ DURATION	
SERVICE_START_DATE	OE_ORDER_LINES_ ALL	SERVICE_START_ DATE	
SERVICE_END_DATE	OE_ORDER_LINES_ ALL	SERVICE_END_ DATE	
SERVICE_ COTERMINATE_FLAG	OE_ORDER_LINES_ ALL	SERVICE_ COTERMINATE_ FLAG	
UNIT_SELLING_ PERCENT	OE_ORDER_LINES_ ALL	UNIT_SELLING_ PERCENT	Percent actually charged to sales order for percent-based pricing.
UNIT_LIST_PERCENT	OE_ORDER_LINES_ ALL	UNIT_LIST_ PERCENT	Price list percentage of the item for percent–based pricing.
UNIT_PERCENT_BASE_ PRICE	OE_ORDER_LINES_ ALL	UNIT_PERCENT_ BASE_PRICE	Base price used for percent-based pricing.
SERVICE_NUMBER	OE_ORDER_LINES_ ALL	SERVICE_NUMBER	Unique number to identify the service line.
CANCELLED_FLAG	OE_ORDER_LINES_ ALL	CANCELLED_FLAG	Indicates whether the line was cancelled.
FULFILLED_FLAG	OE_ORDER_LINES_ ALL	FULFILLED_FLAG	Indicates whether the line was fulfilled.
SERVICE_TXN_ REASON_CODE	OE_ORDER_LINES_ ALL	SERVICE_TXN_ REASON_CODE	Service transaction reason code.
SERVICE_TXN_ COMMENTS	OE_ORDER_LINES_ ALL	SERVICE_TXN_ COMMENTS	Service transaction comments.
CLOSED_FLAG			Indicates the line was closed. Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CONTRACT_PO_NUMBER			Contract purchase order number. Not used for outbound transactions.
LINE_PO_CONTEXT			Line purchase order context. Not used for outbound transactions.
OPERATION_CODE			Not used for outbound transactions.
CHANGE_REASON			Not used for outbound transactions.
CHANGE_COMMENTS			Not used for outbound transactions.
REJECTED_FLAG			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.

1.1.1 PRICE_ADJ

Field Name	Oracle Applications Table/View Name	Column Name	Description
HEADER_ID	OE_PRICE_ADJUSTMENTS	HEADER_ID	Order header identifier that is the same HEADER_ID as the one on the order.
LINE_ID	OE_PRICE_ADJUSTMENTS	LINE_ID	Order line identifier that is the same LINE_ID as the one on the order line.
ADJUSTED_AMOUNT	OE_PRICE_ADJUSTMENTS	ADJUSTED_AMOUNT	Adjusted amount at the adjustment level.
ADJUSTED_AMOUNT_PER_PQTY	OE_PRICE_ADJUSTMENTS	ADJUSTED_AMOUNT_PER_PQTY	Adjusted amount per quantity.
APPLIED_FLAG	OE_PRICE_ADJUSTMENTS	APPLIED_FLAG	Indicates whether the adjustment has been applied to the order line. For string manual discounts, which are not yet applied by the user.

Field Name	Oracle Applications Table/View Name	Column Name	Description
ARITHMETIC_OPERATOR	OE_PRICE_ ADJUSTMENTS	ARITHMETIC_ OPERATOR	Qualifies the value in operand by using percentage, amount, or new price.
AUTOMATIC_FLAG	OE_PRICE_ ADJUSTMENTS	AUTOMATIC_ FLAG	Indicates whether the discount was applied automatically.
CHANGE_REASON_CODE	OE_PRICE_ ADJUSTMENTS	CHANGE_ REASON_CODE	Reason code for making a change to the adjustment value.
CHANGE_REASON_TEXT	OE_PRICE_ ADJUSTMENTS	CHANGE_ REASON_TEXT	Description of reason code.
CHANGE_REQUEST_CODE			Not used for outbound transactions.
CHANGE_SEQUENCE			Not used for outbound transactions.
CHARGE_TYPE_CODE	OE_PRICE_ ADJUSTMENTS	CHARGE_TYPE_ CODE	
CHARGE_SUBTYPE_CODE	OE_PRICE_ ADJUSTMENTS	CHARGE_ SUBTYPE_CODE	
COST_TYPE	WSH_FREIGHT_ COST_TYPES	FREIGHT_COST_ TYPE_CODE	Freight cost type.
COST_UNIT_AMOUNT	WSH_FREIGHT_ COSTS	UNIT_AMOUNT	Amount for freight costs in unit.
COST_QUANTITY	WSH_FREIGHT_ COSTS	QUANTITY	
COST_AMOUNT	WSH_FREIGHT_ COSTS	TOTAL_AMOUNT	The total amount of freight cost is the freight cost unit amount multiplied by the freight quantity.
COST_CURRENCY_CODE	WSH_FREIGHT_ COSTS	CURRENCY_ CODE	Freight cost currency code.
CREDIT_OR_CHARGE_ FLAG	OE_PRICE_ ADJUSTMENTS	CREDIT_OR_ CHARGE_FLAG	Indicates whether the adjustment record is a credit or charge to a sales order.
DISCOUNT_NAME	SO_DISCOUNTS	NAME	
LINE_DISCOUNT_NAME	SO_DISCOUNTS	NAME	

Field Name	Oracle Applications Table/View Name	Column Name	Description
ESTIMATED_FLAG	OE_PRICE_ ADJUSTMENTS	ESTIMATED_ FLAG	Indicates whether the charge amount is estimated or fixed.
INVOICED_FLAG	OE_PRICE_ ADJUSTMENTS	INVOICED_FLAG	Indicates whether the charge is invoiced.
INC_IN_SALES_ PERFORMANCE	OE_PRICE_ ADJUSTMENTS	INC_IN_SALES_ PERFORMANCE	Indicates whether the charge should be included in sales performance calculation.
INCLUDE_ON_RETURNS_ FLAG	OE_PRICE_ ADJUSTMENTS	INCLUDE_ON_ RETURNS_FLAG	Indicates whether the adjustment is returnable.
LIST_NAME	QP_LIST_ HEADERS_TL	NAME	Name of modifier.
LIST_LINE_TYPE_CODE	OE_PRICE_ ADJUSTMENTS	LIST_LINE_TYPE_ CODE	Line type of the modifier.
LIST_LINE_NUMBER	OE_PRICE_ ADJUSTMENTS	LIST_LINE_NO	
MODIFIED_FROM	OE_PRICE_ ADJUSTMENTS	MODIFIED_FROM	Stores the value of the upgraded item code.
MODIFIED_TO	OE_PRICE_ ADJUSTMENTS	MODIFIED_TO	Stores the value of the upgraded item code.
MODIFIER_MECHANISM_ TYPE_CODE	OE_PRICE_ ADJUSTMENTS	MODIFIER_ MECHANISM_ TYPE_CODE	
OPERAND	OE_PRICE_ ADJUSTMENTS	OPERAND	Stores the adjustment value, qualified by an arithmetic operator.
OPERAND_PER_PQTY	OE_PRICE_ ADJUSTMENTS	OPERAND_PER_ PQTY	Operand per quantity.
OPERATION_CODE			Not used for outbound transactions.
ORDER_SOURCE	OE_ORDER_ SOURCES	NAME	Order source name that is the same as the one in the order.
ORIG_SYS_DISCOUNT_REF	OE_PRICE_ ADJUSTMENTS	ORIG_SYS_ DISCOUNT_REF	Original system discount reference.
PARENT_ADJUSTMENT_ NAME	QP_LIST_ HEADERS_TL	NAME	Parent adjustment name.

Field Name	Oracle Applications Table/View Name	Column Name	Description
PRICING_PHASE	QP_PRICING_ PHASES	NAME	Pricing phase name.
PERCENT	OE_PRICE_ ADJUSTMENTS	PERCENT	Percentage.
TAX_CODE	OE_PRICE_ ADJUSTMENTS	TAX_CODE	Tax code for the charges.
UPDATE_ALLOWED	OE_PRICE_ ADJUSTMENTS	UPDATE_ALLOW ED	Indicates whether this adjustment can be overridden.
UPDATED_FLAG	OE_PRICE_ ADJUSTMENTS	UPDATED_FLAG	Indicates whether the user has modified this row.
VERSION_NUMBER			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.
FREIGHT_CODE		COST_ID	

1.1.2 PRICE_ATTRIBS

Field Name	Oracle Applications Table/View Name	Column Name	Description
HEADER_ID	OE_ORDER_PRICE_ ATTRIBS	HEADER_ID	Order header identifier that is the same as the HEADER_ID in the order.
LINE_ID	OE_ORDER_PRICE_ ATTRIBS	LINE_ID	Order line identifier that is the same as the LINE_ID in the order lines.
ORIG_SYS_ATTS_REF	OE_ORDER_PRICE_ ATTRIBS	ORIG_SYS_ ATTS_REF	Original System Attribute Reference.
ORDER_SOURCE	OE_ORDER_ SOURCES	NAME	Order source name that is the same as the one in the order.
CHANGE_REQUEST_CODE			Not used for outbound transactions.
CHANGE_SEQUENCE			Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
OPERATION_CODE			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.
FLEX_TITLE	OE_ORDER_LINES_ALL	FLEX_TITLE	Name of the pricing context's flex structure.
PRICING_CONTEXT	OE_ORDER_LINES_ALL	PRICING_CONTEXT	

1.1.3 LOTSERIALS

Field Name	Oracle Applications Table/View Name	Column Name	Description
ORDER_SOURCE	OE_ORDER_SOURCES	NAME	Order source name that is the same as the one in the order.
ORIG_SYS_LOTSERIAL_REF	OE_LOT_SERIAL_NUMBERS	ORIG_SYS_LOTSERIAL_REF	Original system lot serial reference.
LOT_NUMBER	OE_LOT_SERIAL_NUMBERS	LOT_NUMBER	
LINE_ID	OE_LOT_SERIAL_NUMBERS	LINE_ID	Order line identifier that is the same as the LINE_ID in the order lines.
FROM_SERIAL_NUMBER	OE_LOT_SERIAL_NUMBERS	FROM_SERIAL_NUMBER	Serial number range starting number. If TO_SERIAL_NUMBER is null, then the only serial number is FROM_SERIAL_NUMBER.
TO_SERIAL_NUMBER	OE_LOT_SERIAL_NUMBERS	TO_SERIAL_NUMBER	Serial number range ending number.
QUANTITY	OE_LOT_SERIAL_NUMBERS	QUANTITY	Lot or serial number quantity. This should match the serial number range for serial number controlled items.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CHANGE_REQUEST_CODE			Not used for outbound transactions.
CHANGE_SEQUENCE			Not used for outbound transactions.
OPERATION_CODE			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.

1.1.4 SALES_CREDITS

Field Name	Oracle Applications Table/View Name	Column Name	Description
HEADER_ID	OE_SALES_CREDITS	HEADER_ID	Order header identifier that is the same as the HEADER_ID in the order.
LINE_ID	OE_SALES_CREDITS	LINE_ID	Order line identifier that is the same as the LINE_ID in the order lines.
ORIG_SYS_CREDIT_REF	OE_SALES_CREDITS	ORIG_SYS_CREDIT_REF	Original System Credit Reference.
ORDER_SOURCE	OE_ORDER_SOURCES	NAME	Order source name that is the same as the one in the order.
QUOTA_FLAG	OE_SALES_CREDITS	QUOTA_FLAG	Indicates revenue or non-revenue based credit.
PERCENT	OE_SALES_CREDITS	PERCENT	Indicates sales credit percentage for a sales representative.
SALESREP	RA_SALESREPS_ALL	NAME	Sales representative's name.
SALES_CREDIT_TYPE	OE_SALES_CREDIT_TYPES	NAME	Sales credit type.
CHANGE_REQUEST_CODE			Not used for outbound transactions.
CHANGE_SEQUENCE			Not used for outbound transactions.

Field Name	Oracle Applications Table/View Name	Column Name	Description
OPERATION_CODE			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.

1.1.5 OE_RESERVTNS

Field Name	Oracle Applications Table/View Name	Column Name	Description
HEADER_ID	MTL_RESERVATIONS	DEMAND_SOURCE _HEADER_ID	Order header identifier that is the same as the HEADER_ID in the order.
LINE_ID	MTL_RESERVATIONS	DEMAND_SOURCE _LINE_ID	Order line identifier that is the same as the LINE_ID in the order lines.
ORDER_SOURCE	OE_ORDER_ SOURCES	NAME	Order source name that is the same the one in the order.
REVISION	MTL_RESERVATIONS	REVISION	For revision controlled reserved item.
ITEM_CODE	MTL_SYSTEM_ ITEMS_B_KFV	CONCATENATED_ SEGMENTS	Reserved item.
SUBINVENTORY_CODE	MTL_RESERVATIONS	SUBINVENTORY_ CODE	Subinventory where reserved item resides.
LOCATOR	MTL_ITEM_ LOCATIONS_KFV	CONCATENATED_ SEGMENTS	Locator where reserved item resides.
LOT_NUMBER	MTL_RESERVATIONS	LOT_NUMBER	For lot controlled reserved item.
QUANTITY	MTL_RESERVATIONS	RESERVATION_ QUANTITY	Quantity reserved.
ORIG_SYS_ RESERVATION_REF			Original System Reservation Reference. Not used for outbound.
CHANGE_SEQUENCE			Not used for outbound transactions.
OPERATION_CODE			Not used for outbound transactions.

1.1.6 OE_LINE_ACTIONS

Field Name	Oracle Applications Table/View Name	Column Name	Description
HEADER_ID	OE_ORDER_HEADERS_ ALL	HEADER_ID	Order header identifier that is the same as the HEADER_ID in the order.
LINE_ID	OE_ORDER_LINES_ALL	LINE_ID	Order line identifier that is the same as the LINE_ID in the order lines.
ORDER_SOURCE			Not used for outbound transactions.
CHANGE_SEQUENCE			Not used for outbound transactions.
HOLD_NAME			Not used for outbound transactions.
HOLD_TYPE_CODE			Not used for outbound transactions.
HOLD_UNTIL_DATE			Not used for outbound transactions.
RELEASE_REASON_CODE			Not used for outbound transactions.
COMMENTS			Not used for outbound transactions.
CONTEXT			Not used for outbound transactions.
OPERATION_CODE			Not used for outbound transactions.
STATUS_FLAG			Not used for outbound transactions.

Procurement Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Procurement package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter lists the transactions in alphabetical order.

Oracle Applications Module	Predefined Service
Purchasing	■ "Query Product Catalog Service" on page 546
	■ "Query Purchase Order Service" on page 553
	■ "Query Purchase Order Status Service" on page 555
	■ "Query Request For Quotation Service" on page 559
	■ "Query Supplier Service" on page 561
	■ "Receive Purchase Order Service" on page 562
	■ "Receive RCV Service" on page 579
	■ "Receive Requisition Service" on page 589
	■ "Send Purchase Order Service" on page 598
	■ "Send Request For Quotation Service" on page 617
	■ "Send Supplier Service" on page 633

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Query Product Catalog Service

The name of this service is:

WmOAPRC1159.purchasing1159.queryOA.productCatalog:queryProductCatalog

This service retrieves Supplier Product/Item Catalog information to locate items and their source information to create purchase order and requisition lines.

You can use the following parameters to query the Product Catalog:

■ ITEM_CATEGORY: Item category.

■ VENDOR_NAME: Vendor name.

■ VENDOR_SITE: Vendor site code for an item.

■ COMMODITY: Unique identifier for an item.

■ ITEM_REVISION: Item revision code.

■ ORGANIZATION_NAME: Organization name.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_productcatalog.sql	Runs the scripts listed below, except the uninstall script.
wm_from_productcatalog_vw.sql	Creates the following required view components: ■ WM_PO_PRODUCT_CATALOG_QRY_VW ■ WM_PO_SOURCING_DOCS_VW ■ WM_PO_SOURCING_RULES_VW ■ WM_PO_PRIOR_PURCHASES_VW ■ WM_PO_NEGOTIATED_SOURCES_VW
wm_drop_from_productcatalog.sql	Uninstalls all components created by wm_install_from_productcatalog.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryProductCatalogTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryProductCatalog executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **queryProductCatalogTxn** service queries the Oracle Applications database for any Product Catalog matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business document structure:

- 1.0. SUPPLIER_ITEMS
  - 1.1. NEGOTIATED_SOURCES
  - 1.2. PRIOR_PURCHASES
  - 1.3. SOURCING_RULES
    - 1.3.1. SOURCING_DOCUMENTS

1.0. SUPPLIER_ITEMS

Document Field	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID		Not used	Populated from a sequence and used internally in the IS Flow. Will contain NULL value for Queried Product Catalog data.
DOCUMENT_TYPE		Not used	Use PRODUCTCAT.
DOCUMENT_STATUS		Not used	Use QUERY.
ORG_ID			Organization ID.
ORGNIZATION_NAME			
ITEM_CATEGORY	MTL_ CATEGORIES_B	SEGMENT1||'.'| |SEGMENT2	The Category ID stored in the PO_LINES_ALL table joins with Category ID in MTL_CATEGORIES_B table.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ITEM_NUM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	The Item ID stored in the PO_LINES_ALL table joins with Item ID in MTL_SYSTEM_ITEMS_B_ KFV table.
VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Supplier name.
VENDOR_SITE	PO_VENDOR_ SITES_ALL	VENDOR_SITE_ CODE	Supplier site.
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_ DESCRIPTION	
ITEM_REVISION	PO_LINES_ALL	ITEM_ REVISION	Stored in PO_LINES_ALL.
SUPPLIER_ITEM	PO_LINES_ALL	VENDOR_ PRODUCT_ NUM	Supplier product number.

1.1. NEGOTIATED_SOURCES

Field Name	Oracle Applications Table/View Name	Column Name	Description
VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Supplier name.
VENDOR_SITE	PO_VENDOR_ SITES_ALL	VENDOR_SITE_ CODE	Supplier site.
ITEM_NUM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	The Item ID stored in the PO_LINES_ALL table joins with Item ID in MTL_SYSTEM_ITEMS_B_ KFV table.
ITEM_CATEGORY	MTL_ CATEGORIES_B	SEGMENT1||'.'||SEGMENT2	The Category ID stored in the PO_LINES_ALL table joins with Category ID in MTL_CATEGORIES_B table.
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_ DESCRIPTION	
ITEM_REVISION	PO_LINES_ALL	ITEM_ REVISION	Stored in PO_LINES_ALL.

Field Name	Oracle Applications Table/View Name	Column Name	Description
LINE_UOM	PO_LINES_ALL	UNIT_MEAS_LOOKUP_CODE	Unit of measure for the line.
LINE_PRICE	PO_LINES_ALL	UNIT_PRICE	Unit price for the line.
SUPPLIER_ITEM	PO_LINES_ALL	VENDOR_PRODUCT_NUM	Supplier product number.
BREAK_QUANTITY	PO_LINE_LOCATIONS_ALL	QUANTITY - NVL(QUANTITY_CANCELLED, 0)	Quantity minus quantity cancelled.
BREAK_PRICE	PO_LINE_LOCATIONS_ALL	PRICE_OVERRIDE	Order shipment price or break price for blanket purchase orders, Requests For Quotations (RFQs), and quotations.

1.2. PRIOR_PURCHASES

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORDER_DATE	PO_HEADERS_ALL PO_RELEASES_ALL	CREATION_DATE	IF TYPE_LOOKUP_CODE = Standard, then use CREATION_DATE from the PO_HEADERS_ALL table. If TYPE_LOOKUP_CODE = Planned or Blanket, then use CREATION_DATE in the table PO_RELEASES_ALL.
VENDOR_NAME	PO_VENDORS	VENDOR_NAME	Supplier name.
VENDOR_SITE	PO_VENDOR_SITES_ALL	VENDOR_SITE_CODE	Supplier site.
ITEM_NUM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	The Item ID stored in the PO_LINES_ALL table joins with Item ID in MTL_SYSTEM_ITEMS_B_KFV table.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ITEM_CATEGORY	MTL_ CATEGORIES_B	SEGMENT1||'.'| |SEGMENT2	The Category ID stored in the PO_LINES_ALL table joins with Category ID in MTL_CATEGORIES_B table.
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_ DESCRIPTION	
ITEM_REVISION	PO_LINES_ALL	ITEM_ REVISION	Stored in PO_LINES_ALL.
UOM	PO_LINES_ALL	UNIT_MEAS_ LOOKUP_CODE	Unit of measure.
SUPPLIER_ITEM	PO_LINES_ALL	VENDOR_ PRODUCT_ NUM	Supplier product number.
QUANTITY	PO_LINE_ LOCATIONS_ ALL	QUANTITY - NVL(QUANTIT Y_CANCELLED, 0)	Quantity ordered minus quantity cancelled.
PRICE	PO_LINES_ALL/ PO_LINE_ LOCATIONS_ ALL	PO_LINES_ALL. UNIT_PRICE/PO _LINE_ LOCATIONS_ ALL.PRICE_ OVERRIDE	Unit price for standard PO, or the price override for a planned or blanket PO.

1.3. SOURCING_RULES

Document Field	Oracle Applications Table/View Name	Column Name	Description
ORG_ID	MRP_SOURCES _V	ORGANIZATIO N_ID	Organization identifier.
RULE	MRP_SOURCES _V	SOURCING_ RULE_NAME	Rule name.
RULE_ID	MRP_SOURCES _V	SOURCING_ RULE_ID	Rule identifier.

Document Field	Oracle Applications Table/View Name	Column Name	Description
ITEM_NUM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	The item ID stored in the PO_LINES_ALL table joins with Item ID in MTL_SYSTEM_ITEMS_B_KFV table.
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_DESCRIPTION	
FROM_DATE	MRP_SOURCES_V	EFFECTIVE_DATE	
TO_DATE	MRP_SOURCES_V	DISABLE_DATE	
VENDOR_NAME	PO_VENDORS	VENDOR_NAME	Supplier name.
VENDOR_SITE	PO_VENDOR_SITES_ALL	VENDOR_SITE_CODE	Supplier site.
ORGANIZATION_CODE	MTL_PARAMETERS	ORGANIZATION_CODE	
VENDOR_ID	PO_VENDORS	VENDOR_ID	Vendor identifier.

1.3.1. SOURCING_DOCUMENTS

Field Name	Oracle Applications Table/View Name	Column Name	Description
ITEM_NUM	MTL_SYSTEM_ITEMS_B_KFV	CONCATENATED_SEGMENTS	Item number.
ITEM_CATEGORY	MTL_CATEGORIES_B	SEGMENT1||'.'||SEGMENT2	The Category ID stored in the PO_LINES_ALL table joins with Category ID in MTL_CATEGORIES_B table.
VENDOR_ID	PO_VENDORS	VENDOR_ID	Vendor identifier.
RULE_ID	PO_ASL_DOCUMENTS	ASL_ID	Rule identifier.
SEQUENCE_NUM	SEQUENCE_NUM	PO_ASL_DOCUMENTS	Sequence number.
VENDOR_PRODUCT_NUM	PO_LINES_ALL	VENDOR_PRODUCT_NUM	Vendor Product Number.

Field Name	Oracle Applications Table/View Name	Column Name	Description
LINE_UOM	PO_LINES_ALL	UNIT_MEAS_ LOOKUP_CODE	Unit of measure.
LINE_PRICE	PO_LINES_ALL	UNIT_PRICE	Unit price for the line.
BREAK_QUANTITY	PO_LINE_ LOCATIONS_ ALL	QUANTITY - NVL(QUANTITY_CANCELLED, 0)	Quantity ordered minus quantity cancelled.
BREAK_PRICE	PO_LINE_ LOCATIONS_ ALL	PRICE_ OVERRIDE	Order shipment price or break price for blanket purchase orders, Requests For Quotations (RFQs), and quotations.

Query Purchase Order Service

The name of this service is:

WmOAPRC1159.purchasing1159.queryOA.PO:queryPO

This service retrieves PO data. The following parameters are used for querying PO data:

- AGENT_NAME

- DOCUMENT_NUM

- SHIP_TO_ADDRESS_LINE_1, SHIP_TO_ADDRESS_LINE_2, SHIP_TO_ADDRESS_LINE_3

- SHIP_TO_TOWN_OR_CITY

- SHIP_TO_REGION_1, SHIP_TO_REGION_2, SHIP_TO_REGION_3

- SHIP_TO_COUNTRY

- SHIP_TO_POSTAL_CODE

- BILL_TO_ADDRESS_LINE_1, BILL_TO_ADDRESS_LINE_2, BILL_TO_ADDRESS_LINE_3

- BILL_TO_TOWN_OR_CITY

- BILL_TO_REGION_1, BILL_TO_REGION_2, BILL_TO_REGION_3

- BILL_TO_COUNTRY

- BILL_TO_POSTAL_CODE

- ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3
- CITY
- STATE
- ZIP
- COUNTRY
- VENDOR_NAME
- ORGANIZATION_NAME

Database Scripts

This service uses the same database scripts as the Send Purchase Order service.

> Note: If you use this service but you do *not* use the Send Purchase Order service, you should run the wm_disable_from_po.sql script to disable the triggers installed by the Send Purchase Order service.

For a detailed description of these database scripts, see "Send Purchase Order Service" on page 598. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryPOTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryPO executes as follows:

- specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

- queryPOTxn queries the Oracle Applications database for any purchase order information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Purchase Order service. For a detailed description of the business document's structure, see "Send Purchase Order Service" on page 598.

Query Purchase Order Status Service

The name of this service is:

WmOAPRC1159.purchasing1159.queryOA.POStatus:queryPOStatus

This service retrieves the purchase order status based on the following parameters:

- BUYER_NAME

- PO_DOCUMENT_NUM

- ORGANIZATION_NAME

- SHIP_TO_ADDRESS_LINE_1,SHIP_TO_ADDRESS_LINE_2, SHIP_TO_ADDRESS_LINE_3

- SHIP_TO_TOWN_OR_CITY

- SHIP_TO_REGION_1, SHIP_TO_REGION_2, SHIP_TO_REGION_3

- SHIP_TO_COUNTRY

- SHIP_TO_POSTAL_CODE

- BILL_TO_ADDRESS_LINE_1, BILL_TO_ADDRESS_LINE_2, BILL_TO_ADDRESS_LINE_3

- BILL_TO_TOWN_OR_CITY

- BILL_TO_REGION_1, BILL_TO_REGION_2, BILL_TO_REGION_3

- BILL_TO_COUNTRY

- BILL_TO_POSTAL_CODE

- SUPPLIER_ADDRESS_LINE1, SUPPLIER_ADDRESS_LINE2, SUPPLIER_ADDRESS_LINE3

- SUPPLIER_CITY

- SUPPLIER_STATE

- SUPPLIER_ZIP

- SUPPLIER_COUNTRY

- SUPPLIER_NAME

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_orderstatus.sql	Runs the scripts listed below, except the uninstall script.
wm_from_orderstatus_vw.sql	Creates the required view component WM_OS_QRY_VW.
wm_from_orderstatus_pkg.sql	Installs the WM_ORDER_STATUS_PKG.get_po_status procedure to retrieve the Purchase Order Status.
wm_drop_from_orderstatus.sql	Uninstalls all components created by wm_install_from_orderstatus.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- queryPOStatusTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

You can query order status data using the following services:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **queryOrderStatusTxn** service queries the Oracle Applications database for any Order Status matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the following business structure:

◼ PURCHASE_ORDER

PURCHASE_ORDER

Document Field	Oracle Applications Table/View Name	Column Name	Description
PO_DOCUMENT_NUM	PO_HEADERS_ALL	SEGMENT1	Purchase order number.
REVISION_NUM	PO_HEADERS_ALL	REVISION_NUM	Purchase order revision number.
TYPE_LOOKUP_CODE	PO_HEADERS_ALL	TYPE_LOOKUP_CODE	Purchase order type.
CREATION_DATE_DISP	PO_HEADERS_ALL	CREATION_DATE_DISP	Purchase order creation date.
ORGANIZATION_NAME	PO_HEADERS_ALL	ORG_ID	
VENDOR_NAME	PO_HEADERS_ALL	VENDOR_ID	Supplier name.
VENDOR_SITE_CODE	PO_HEADERS_ALL	VENDOR_SITE_ID	Supplier site code.
VENDOR_CONTACT	PO_HEADERS_ALL	VENDOR_CONTACT_ID	Supplier contact name.
CURRENCY_CODE	PO_HEADERS_ALL	CURRENCY_CODE	
AGENT_NAME	PO_HEADERS_ALL	AGENT_ID	Buyer name.
PO_STATUS	PO_HEADERS_ALL	STATUS_LOOKUP_CODE	Purchase order status.
BLANKET_TOTAL_AMOUNT	PO_HEADERS_ALL	BLANKET_TOTAL_AMOUNT	Purchase order amount.
COMMENTS	PO_HEADERS_ALL	COMMENTS	
SHIP_TO_ADDRESS_LINE_1	PO_HEADERS_ALL	SHIP_TO_LOCATION_ID	Shipping location details.

Document Field	Oracle Applications Table/View Name	Column Name	Description
SHIP_TO_ADDRESS_LINE_2			
SHIP_TO_ADDRESS_LINE_3			
SHIP_TO_TOWN_OR_CITY			
SHIP_TO_REGION_1			
SHIP_TO_REGION_2			
SHIP_TO_REGION_3			
SHIP_TO_COUNTRY			
SHIP_TO_POSTAL_CODE			
BILL_TO_ADDRESS_LINE_1	PO_HEADERS_ ALL	BILL_TO_ LOCATION_ID	Billing location details.
BILL_TO_ADDRESS_LINE_2			
BILL_TO_ADDRESS_LINE_3			
BILL_TO_TOWN_OR_CITY			
BILL_TO_REGION_1			
BILL_TO_REGION_2			
BILL_TO_REGION_3			
BILL_TO_COUNTRY			
BILL_TO_POSTAL_CODE			
SUPPLIER_ADDRESS_LINE1	PO_HEADERS_ ALL	VENDOR_SITE_ ID	Purchase order vendor site details.
SUPPLIER_ADDRESS_LINE2			
SUPPLIER_ADDRESS_LINE3			
SUPPLIER_CITY			
SUPPLIER_STATE			
SUPPLIER_ZIP			
SUPPLIER_COUNTRY			

Query Request For Quotation Service

The name of this service is:

WmOAPRC1159.purchasing1159.queryOA.RFQ:queryRFQ

This service retrieves all new and changed active Request For Quotation (RFQ) data. Because RFQs cannot be deleted, the document status of DELETE does not apply in this case.

You can use the following parameters to query RFQs:

- RFQ_NUMBER
- RFQ_STATUS
- BUYER_NAME
- DUE_DATE_FROM
- DUE_DATE_TO
- CLOSE_DATE_FROM
- CLOSE_DATE_TO
- EFFECTIVE_DATE_FROM
- EFFECTIVE_DATE_TO
- ITEM_NUMBER
- SUPPLIER_NAME
- SUPPLIER_ADDRESS_LINE1, SUPPLIER_ADDRESS_LINE2, SUPPLIER_ADDRESS_LINE3
- SUPPLIER_CITY
- SUPPLIER_STATE
- SUPPLIER_COUNTRY
- SUPPLIER_ZIP

Database Scripts

This service uses the same database scripts as the Send Request For Quotation service.

> Note: If you use this service but you do *not* use the Send Request For Quotation service, you should run the wm_disable_from_rfq.sql script to disable the triggers installed by the Send Request For Quotation service.

For a detailed description of these database scripts, see "Send Request For Quotation Service" on page 617. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

■ queryRFQTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow queryRFQ executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ queryRFQTxn queries the Oracle Applications database for any RFQ information matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Request For Quotation service. For a detailed description of the business document's structure, see "Send Request For Quotation Service" on page 617.

Query Supplier Service

The name of this service is:

WmOAPRC1159.purchasing1159.queryOA.supplier:querySupplier

This service retrieves new or changed active supplier data. It extracts information for a supplier only, and not for individual employees who are also set up as suppliers. Because suppliers cannot be deleted, the document status of DELETE does not apply in this case.

You can use the following parameters to query supplier data:

- SUPPLIER_NUMBER: Unique supplier identifier in Oracle Applications that is assigned to the supplier upon creation.

- SUPPLIER_SITE_CODE: Unique site identifier for a supplier. The same site name can exist for multiple suppliers.

- INACTIVE_DATE_FROM: Beginning date when the supplier is inactive.

- INACTIVE_DATE_TO: Ending date when the supplier is inactive.

- TAXPAYER_ID: Supplier taxpayer ID.

- TAX_REGISTRATION_NUMBER: Tax registration number.

Database Scripts

This service uses the same database scripts as the Send Supplier service.

Note: If you use this service but you do *not* use the Send Supplier service, you should run the wm_disable_from_supplier.sql script to disable the triggers installed by the Send Supplier service.

For a detailed description of these database scripts, see "Send Supplier Service" on page 633. For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service uses the following transaction definition:

- querySupplierTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow querySupplier executes as follows:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **querySupplierTxn** queries the Oracle Applications database for any supplier matching the parameter values. The parameters are defined as the input to this service.

For more details on query transactions, see "Using Query Services" on page 41.

Business Document Structure

This service uses the same business document structure as the Send Supplier service. For a detailed description of the business document's structure, see "Send Supplier Service" on page 633.

Receive Purchase Order Service

The name of this service is:

WmOAPRC1159.purchasing1159.intoOA.PO:receivePO

This service loads purchase order documents into the Oracle Applications Production tables. You can load three types of purchase orders: Standard Purchase Orders, Blanket Agreements, and Catalog Quotations. This service handles multiple PO records in a single document, and a single document can contain any combination of PO types.

Each record in the document is inserted, updated, or cancelled with respect to the production data. The actual business operation (such as INSERT or UPDATE) is determined by the underlying Oracle Applications APIs and the data in the individual columns of the document.

A PO document that contains only a single PO type is assigned a single, unique batch ID for all the records.

A PO document that contains multiple PO types is assigned multiple batch IDs, one for each PO Type. The batch ID is used as a parameter in the Concurrent Program in order to selectively process only those records in the interface table that match the parameter value. Using a batch ID ensures that records of only one PO type are processed during a single instance of flow.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_po.sql	Runs the scripts listed below, except the uninstall script.
wm_into_po_pkg.sql	Installs WM_OPENPO_IMP_HANDLER_PKG.WM_HANDLE_REQ, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT to submit the PO Open Document interface concurrent program.
wm_into_po_seq.sql	Creates the WM_PO_BATCH_S component, which creates the unique BATCH_ID sequence.
wm_drop_into_po.sql	Uninstalls all components created by wm_install_into_po.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setPOTxn1159.txp

- POTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import inventory transactions:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **pickSequence** generates sequence values for header sequence, line sequence, distribution sequence, and custom batch sequence.

■ **bizDocMapping** maps the incoming business data structure to the required data structure, which is similar to the interface table. This service uses the following services internally to provide required data feed during the mapping:

   ■ **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, queries the table ORG_ORGANIZATION_DEFINITIONS and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

   ■ **getVendorSiteId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3, CITY, STATE, ZIP, COUNTRY, VENDOR_NAME, and ORG_NAME as the input parameters, queries the PO_VENDOR_SITES_ALL, PO_VENDORS, and ORG_ORGANIZATION_DEFINITIONS tables, and gets the VENDOR_SITE_ID corresponding to the passed values.

   ■ **getLocationId** is a transformer for mapping the business document IData structure to the interface table IData structure. This is a general service to get the LOCATION_ID from HR_LOCATIONS, given ADDRESS_LINE_1, ADDRESS_LINE_2, ADDRESS_LINE_3, TOWN_OR_CITY, COUNTRY, POSTAL_CODE, REGION_1, and REGION_2.

   ■ **getPcardId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes CARD_NUMBER as the input parameter, queries the table AP_CARDS_ALL, and gets the CARD_ID corresponding to CARD_NUMBER.

   ■ **getFromHeaderId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes FROM_PO_NUM as the input parameter, queries the table PO_HEADERS_ALL, and gets the PO_HEADER_ID corresponding to FROM_PO_NUM.

   ■ **getFromLineId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes FROM_PO_NUM and LINE_NUM as the input parameters, queries the tables PO_HEADERS_ALL and PO_LINES_ALL, and gets the PO_LINE_ID corresponding to the input values.

   ■ **getAwardId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes AWARD_FULL_NAME as the input parameters, queries the tables GMS_AWARDS_ALL and PO_DISTRIBUTIONS_ALL, and gets the AWARD_ID corresponding to the input values.

■ **setPOTxn** inserts data into the interface table. It extracts data from the IData structure that results in the bizDocMapping service, and puts the data into the interface tables PO_HEADERS_INTERFACE, PO_LINES_INTERFACE, and PO_DISTRIBUTIONS_INTERFACE in Oracle Applications.

- **getDistinctDocType** retrieves the distinct document types for the particular batch_id from the PO_HEADERS_INTERFACE table.

- **execPOConcProg** calls the underlying Oracle Applications concurrent program with the set of parameters set in the previous MAP, and returns the V_REQUEST_ID and V_ERRMSG if errors occur in the process.

- **checkPOConcProgStatus** checks for the status of the concurrent program execution for the given request ID after the specified interval.

- **checkPOImportStatus** checks for the status of the imported purchase order.

- **getPOImport_ERR** gets the data import error for the specific request ID.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document POBizDoc. Its structure is as follows:

- 1.0. PO_HEADERS
    - 1.1. PO_LINES
        - 1.2. PO_LINE_LOCATIONS
            - 1.3. PO_DISTRIBUTIONS

1.0. PO_HEADERS (Maps to PO_HEADERS_INTERFACE)

Field Name	Maps to Column	Description
WEB_TRANSACTION_ID		Not used for Receive Purchase Order Service (PO Inbound Transaction).
DOCUMENT_TYPE		Not used for Receive Purchase Order Service (PO Inbound Transaction).
DOCUMENT_STATUS	ACTION	Required.
ORG_ID		
ORGANIZATION_NAME	ORG_ID	Organization name for which the PO is generated.
CREATION_DATE		
COMMENTS	COMMENTS	

Field Name	Maps to Column	Description
ACCEPTANCE_REQUIRED_ FLAG	ACCEPTANCE_REQUIRED_ FLAG	Indicates whether acceptance from the supplier is required.
ACCEPTANCE_DUE_DATE	ACCEPTANCE_DUE_DATE	Date by which the supplier should accept the PO.
USER_HOLD_FLAG		
CANCEL_FLAG		
FIRM_STATUS_LOOKUP_ CODE	FIRM_FLAG	Indicates whether the PO should be prevented from being automatically rescheduled by the manufacturing application.
FROZEN_FLAG	FROZEN_FLAG	Indicates whether the PO is frozen.
AMOUNT_LIMIT	AMOUNT_LIMIT	Maximum amount that can be released against the PO.
MIN_RELEASE_AMOUNT	MIN_RELEASE_AMOUNT	Minimum amount that can be released against a PO.
QUOTATION_CLASS_CODE	PO_HEADERS_ALL	Class of quotation.
APPROVAL_REQUIRED_FLAG	APPROVAL_REQUIRED_FLAG	Indicates whether a PO requires approval.
CLOSED_CODE	CLOSED_CODE	Indicates whether a PO has a closed status.
SHIP_VIA_LOOKUP_CODE	FREIGHT_CARRIER	
FREIGHT_TERMS_LOOKUP_ CODE	FREIGHT_TERMS	Type of freight terms for the PO.
RATE_TYPE	RATE_TYPE	Rate type for the PO.
RATE	RATE	Rate applicable for the PO.
FROM_TYPE_LOOKUP_CODE	FROM_TYPE_LOOKUP_CODE	PO used to auto create.
END_DATE	EXPIRATION_DATE	Required. Expiration date of the document.
AUTHORIZATION_STATUS	APPROVAL_STATUS	Approval status of the PO.
REVISED_DATE	REVISED_DATE	Date when the PO has been revised.
NOTE_TO_AUTHORIZER		
NOTE_TO_VENDOR	NOTE_TO_VENDOR	

Field Name	Maps to Column	Description
PRINT_COUNT	PRINTCOUNT	
VENDOR_ORDER_NUM		
REPLY_DATE	REPLY_DATE	Date when the supplier replied to the PO.
DOCUMENT_NUM	DOCUMENT_NUM	PO number.
END_DATE_ACTIVE		
SHIP_TO_ADDRESS_LINE_1	SHIP_TO_LOCATION_ID	Address where the shipment for the PO must be done. Used for deriving the SHIP_TO_LOCATION_ID.
SHIP_TO_ADDRESS_LINE_2		
SHIP_TO_ADDRESS_LINE_3		
SHIP_TO_TOWN_OR_CITY		
SHIP_TO_COUNTRY		
SHIP_TO_POSTAL_CODE		
SHIP_TO_REGION_1		
SHIP_TO_REGION_2		
SHIP_TO_REGION_3		
BILL_TO_ADDRESS_LINE_1	BILL_TO_LOCATION_ID	Address of where to the bill the PO. Used for deriving the BILL_TO_LOCATION_ID.
BILL_TO_ADDRESS_LINE_2		
BILL_TO_ADDRESS_LINE_3		
BILL_TO_TOWN_OR_CITY		
BILL_TO_COUNTRY		
BILL_TO_POSTAL_CODE		
BILL_TO_REGION_1		
BILL_TO_REGION_2		
BILL_TO_REGION_3		
FOB_LOOKUP_CODE	FOB	Type of free on board terms for the shipment.
STATUS_LOOKUP_CODE		

Field Name	Maps to Column	Description
CURRENCY_CODE	CURRENCY_CODE	
RATE_DATE	RATE_DATE	
FROM_HEADER_ID		
START_DATE	EFFECTIVE_DATE	Required. Effective date of the price break.
BLANKET_TOTAL_AMOUNT	AMOUNT_AGREED	Amount agreed for the PO.
REVISION_NUM	REVISION_NUM	PO revision number.
APPROVED_FLAG		
APPROVED_DATE	APPROVED_DATE	Date for approval.
NOTE_TO_RECEIVER	NOTE_TO_RECEIVER	
PRINTED_DATE	PRINTED_DATE	Date when PO is printed.
CONFIRMING_ORDER_FLAG	CONFIRMING_ORDER_FLAG	Indicates whether the PO is a confirmed order.
REPLY_METHOD_LOOKUP_CODE	REPLY_METHOD	Method the supplier should reply to the PO.
PO_HEADER_ID		
TYPE_LOOKUP_CODE	DOCUMENT_TYPE_CODE	Required. Value values are STANDARD, BLANKET, and QUOTATION. Maps directly.
SUMMARY_FLAG		
ENABLED_FLAG		
START_DATE_ACTIVE		
GOVERNMENT_CONTEXT		
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	US standard general ledger transaction code.
CLOSED_DATE	CLOSED_DATE	Date when the PO is closed.
FIRM_DATE		
RFQ_CLOSE_DATE	RFQ_CLOSE_DATE	Date when the request for quotation closes.
QUOTE_TYPE_LOOKUP_CODE		
QUOTE_WARNING_DELAY_UNIT		

Field Name	Maps to Column	Description
QUOTE_WARNING_DELAY	QUOTE_WARNING_DELAY	Number of days before the expiration of the quotation.
QUOTE_VENDOR_QUOTE_ NUMBER	VENDOR_DOC_NUM	Required. Supplier document number.
AGENT_NAME	AGENT_NAME	Buyer's name.
DOC_TYPE_NAME		
DOC_TYPE_CODE		
DOC_SUBTYPE	DOCUMENT_SUBTYPE	PO document subtype.
CAN_PREPARE_APPROVE_ FLAG		
SECURITY_LEVEL_CODE		
VENDOR_NAME	VENDOR_NAME	Required. Supplier's name.
TYPE_1099		
VAT_CODE		
ADDRESS_LINE1	VENDOR_SITE_ID	Required. Address of the supplier.
ADDRESS_LINE2		
ADDRESS_LINE3		
CITY		
STATE		
ZIP		
COUNTRY		
PHONE		
FAX		
VENDOR_CONTACT	VENDOR_CONTACT	Supplier contact name.
PAYMENT_TERMS	PAYMENT_TERMS	
DISP_RATES_TYPE		
PCARD_NUM	PCARD_ID	Credit card number.
PAY_ON_CODE	PAY_ON_CODE	Indicates whether the PO will be paid upon receipt.
RELEASE_NUM	RELEASE_NUM	PO release number.

Field Name	Maps to Column	Description
FROM_PO_NUM		
INTERFACE_SOURCE_CODE	INTERFACE_SOURCE_CODE	Indicates the source from where the PO has to be imported.

1.1. PO_LINES (Maps to PO_LINES_INTERFACE)

Field Name	Maps to Column	Description
LINE_NUM	LINE_NUM	Required. PO line number.
LINE_TYPE	LINE_TYPE	PO line type.
ITEM_REVISION	ITEM_REVISION	PO item revision.
ITEM_DESCRIPTION	ITEM_DESCRIPTION	Required. Item description.
UNIT_MEAS_LOOKUP_CODE	UNIT_OF_MEASURE	Unit of measure for the items.
QUANTITY_COMMITTED		
COMMITTED_AMOUNT	COMMITTED_AMOUNT	Amount for the items agreed by the supplier.
ALLOW_PRICE_OVERRIDE_ FLAG	ALLOW_PRICE_OVERRIDE_ FLAG	Indicates whether the price can be changed for a PO release.
NOT_TO_EXCEED_PRICE	NOT_TO_EXCEED_PRICE	Price limit that cannot be exceeded for a PO release.
LIST_PRICE_PER_UNIT	LIST_PRICE_PER_UNIT	Price list's price of each item.
UNIT_PRICE	UNIT_PRICE	Price per unit.
QUANTITY	QUANTITY	Quantity of each item ordered.
VENDOR_PRODUCT_NUM	VENDOR_PRODUCT_NUM	Supplier's item number ordered.
UN_NUMBER	UN_NUMBER	UN number.
HAZARD_CLASS	HAZARD_CLASS	Class of the hazard item.
MIN_ORDER_QUANTITY	MIN_ORDER_QUANTITY	Minimum order quantity for the PO.
MAX_ORDER_QUANTITY	MAX_ORDER_QUANTITY	Maximum order quantity for the PO.
QTY_RCV_TOLERANCE	QTY_RCV_TOLERANCE	Maximum over-receipt tolerance percentage for the quantity of the items received.

Field Name	Maps to Column	Description
OVER_TOLERANCE_ERROR_ FLAG	OVER_TOLERANCE_ERROR_ FLAG	Percentage tolerance within which a shipment is automatically closed for invoicing when billed.
MARKET_PRICE	MARKET_PRICE	Market price for the item ordered in the PO.
UNORDERED_FLAG		
CLOSED_FLAG		
USER_HOLD_FLAG		
CANCEL_FLAG		
FIRM_STATUS_LOOKUP_ CODE	FIRM_FLAG	Indicates whether the PO should be prevented from being automatically rescheduled by the manufacturing application.
FIRM_DATE		
CONTRACT_NUM		
NOTE_TO_VENDOR	NOTE_TO_VENDOR	Note to the supplier.
FROM_HEADER_ID		
FROM_LINE_ID		
TAXABLE_FLAG	TAXABLE_FLAG	Indicates whether the item is taxable.
TAX_NAME	TAX_NAME	Name of the tax applied to the item.
TYPE_1099	TYPE_1099	1099 type for the purchase order item.
CAPITAL_EXPENSE_FLAG	CAPITAL_EXPENSE_FLAG	Indicates whether the item cost is a capital expense.
NEGOTIATED_BY_PREPARER_ FLAG	NEGOTIATED_BY_PREPARER_ FLAG	Indicates whether the buyer negotiated the price.
MIN_RELEASE_AMOUNT	MIN_RELEASE_AMOUNT	Minimum release amount.
PRICE_TYPE_LOOKUP_CODE	PRICE_TYPE	Default price type for a PO.
PRICE_BREAK_LOOKUP_CODE	PRICE_BREAK_LOOKUP_CODE	Default price break type for catalog for PO.
ALLOW_ITEM_DESC_UPDATE_ FLAG		

Field Name	Maps to Column	Description
ORDER_TYPE_LOOKUP_CODE		
OUTSIDE_OPERATION_FLAG		
TRANSACTION_REASON_CODE	TRANSACTION_REASON_CODE	Nature of the transaction.
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	US standard general ledger transaction code.
ITEM	ITEM	Required.
UOM_CODE	UOM_CODE	Unit of measurement.
PO_HEADER_ID		
PO_LINE_ID		
CATEGORY	CATEGORY	Category of the item in the PO.
FROM_HEADER_NUM	FROM_PO_NUM	Unique PO header number that automatically creates the PO.
LINE_REFERENCE_NUM	LINE_REFERENCE_NUM	Unique PO line number that automatically creates the PO.
UNIT_WEIGHT	UNIT_WEIGHT	Units for weight.
WEIGHT_UOM_CODE	WEIGHT_UOM_CODE	Weight measurement unit.
VOLUME_UOM_CODE	VOLUME_UOM_CODE	Volume measurement unit.
UNIT_VOLUME	UNIT_VOLUME	Units for volume.
PRICE_UPDATE_TOLERANCE	PRICE_UPDATE_TOLERANCE	Maximum percentage increase allowed to price, without buyer approval in price or sale catalog update sends by supplier.
TEMPLATE_NAME	TEMPLATE_NAME	Template of the item used for PO.
SOURCING_RULE_NAME	SOURCING_RULE_NAME	Name of the sourcing rule created by purchasing documents open interface.
ACTION	ACTION	Action to be completed on the PO line. Use: NEW for a new PO ADDED for a new PO line to add to an existing PO header.

1.2. PO_LINE_LOCATIONS (Maps to PO_LINES_INTERFACE)

Field Name	Maps to Column	Description
SHIPMENT_NUM	SHIPMENT_NUM	Required. PO shipment number.
SHIPMENT_TYPE	INTERFACE_HEADER_ID	
SHIP_TO_ORGANIZATION_CODE	SHIP_TO_ORGANIZATION_CODE	
SHIP_TO_ORGANIZATION_NAME	SHIP_TO_ORGANIZATION_ID	Where the item in PO will be shipped.
SHIP_TO_LOCATION	SHIP_TO_LOCATION	
SHIP_TO_LOC_ADDRESS_LINE_1	SHIP_TO_LOCATION_ID	Address of the location where the item in the PO will be shipped.
SHIP_TO_LOC_ADDRESS_LINE_2		
SHIP_TO_LOC_ADDRESS_LINE_3		
SHIP_TO_LOC_TOWN_OR_CITY		
SHIP_TO_LOCATION_COUNTRY		
SHIP_TO_LOCATION_POSTAL_CODE		
SHIP_TO_LOCATION_REGION_1		
SHIP_TO_LOCATION_REGION_2		
SHIP_TO_LOCATION_REGION_3		
QUANTITY	QUANTITY	
NEED_BY_DATE	NEED_BY_DATE	Date by which the item in the PO must be shipped.
PROMISED_DATE	PROMISED_DATE	Date promised by the supplier by which the item would be delivered.
PRICE_DISCOUNT	PRICE_DISCOUNT	Discount percentage for price break.

Field Name	Maps to Column	Description
EFFECTIVE_START_DATE	EFFECTIVE_DATE	Required. Effective date for the price break.
EXPIRATION_END_DATE	EXPIRATION_DATE	Required. Expiration date for the price break.
LEAD_TIME	LEAD_TIME	Lead time for the price break.
LEAD_TIME_UNIT	LEAD_TIME_UNIT	Unit of measure for the lead time.
FREIGHT_TERMS_LOOKUP_ CODE	QTY_RCV_EXCEPTION_CODE	
FOB_LOOKUP_CODE	FOB	
SHIP_VIA_LOOKUP_CODE	FREIGHT_CARRIER	
INSPECTION_REQUIRED_ FLAG	INSPECTION_REQUIRED_ FLAG	Indicates whether the shipment should be inspected before the invoice should be paid.
RECEIPT_REQUIRED_FLAG	RECEIPT_REQUIRED_FLAG	Indicates whether the shipment must be received before the invoice is paid.
RECEIVE_CLOSE_TOLERANCE	RECEIVE_CLOSE_TOLERANCE	Percentage tolerance within which a shipment is automatically closed for receiving.
INVOICE_CLOSE_TOLERANCE	INVOICE_CLOSE_TOLERANCE	Percentage tolerance within which a shipment is automatically closed for invoicing before billing.
QTY_RCV_EXCEPTION_CODE	QTY_RCV_EXCEPTION_CODE	Describes what action is taken when the quantity-received tolerance is exceeded.
DAYS_EARLY_RECEIPT_ ALLOWED	DAYS_EARLY_RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received early.
DAYS_LATE_RECEIPT_ ALLOWED	DAYS_LATE_RECEIPT_ ALLOWED	Minimum acceptable number of days items can be received late.
ENFORCE_SHIP_TO_ LOCATION_CODE	ENFORCE_SHIP_TO_ LOCATION_CODE	Describes what action is taken when the receiving location differs from the ship to location.
RECEIPT_DAYS_EXCEPTION_ CODE	RECEIPT_DAYS_EXCEPTION_ CODE	Describes what action is taken when items are received earlier or later than the allowed number of days.

Field Name	Maps to Column	Description
ACCRUE_ON_RECEIPT_FLAG	ACCRUE_ON_RECEIPT_FLAG	Indicates whether items are accrued upon receipt.
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	ALLOW_SUBSTITUTE_RECEIPTS_FLAG	Indicates whether substitute items can be received in place of ordered items.
TAX_USER_OVERRIDE_FLAG	TAX_USER_OVERRIDE_FLAG	Indicates whether the default tax was overridden.
ROUTING_NAME	RECEIVING_ROUTING	

1.3. PO_DISTRIBUTIONS (Maps to PO_DISTRIBUTIONS_INTERFACE)

Field Name	Maps to Column	Description
PO_DISTRIBUTION_ID		
REQ_DISTRIBUTION_ID		
ON_LINE_REQ		
RATE_DATE	RATE_DATE	Currency conversion date.
AMOUNT_BILLED	AMOUNT_BILLED	Amount invoiced against distribution.
ENCUMBERED_AMOUNT	ENCUMBERED_AMOUNT	Distribution encumbered amount.
FAILED_FUNDS_LOOKUP_CODE		
GL_ENCUMBERED_PERIOD_NAME	GL_ENCUMBERED_PERIOD_NAME	Period in which the distribution was encumbered.
DESTINATION_ORGANIZATION_ID		
WIP_ENTITY_ID		
WIP_RESOURCE_SEQ_NUM	WIP_RESOURCE_SEQ_NUM	Work In Process resource sequence number.
BOM_RESOURCE_ID		
VARIANCE_ACCOUNT_ID		
DESTINATION_CONTEXT	DESTINATION_CONTEXT	Destination details description.
PROGRAM_APPLICATION_ID		
GOVERNMENT_CONTEXT	GOVERNMENT_CONTEXT	

Field Name	Maps to Column	Description
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	US standard general ledger transaction code.
WIP_LINE_ID		
PROJECT_ID		
TASK_ID		
EXPENDITURE_TYPE	EXPENDITURE_TYPE	Project accounting expenditure type.
PROJECT_ACCOUNTING_ CONTEXT	PROJECT_ACCOUNTING_ CONTEXT	Project accounting context.
EXPENDITURE_ ORGANIZATION_ID		
GL_CLOSED_DATE	GL_CLOSED_DATE	Date when the distribution was closed.
ACCRUE_ON_RECEIPT_FLAG	ACCRUE_ON_RECEIPT_FLAG	Indicates whether the items are accrued on receipt.
EXPENDITURE_ITEM_DATE	EXPENDITURE_ITEM_DATE	Project accounting expenditure item date.
LAST_UPDATED_BY		
LINE_LOCATION_ID		
QUANTITY_ORDERED	QUANTITY_ORDERED	Required. Quantity ordered on the distribution.
CREATION_DATE		
QUANTITY_DELIVERED	QUANTITY_DELIVERED	Quantity delivered against the distribution.
QUANTITY_CANCELLED	QUANTITY_CANCELLED	Quantity cancelled for the distribution.
LAST_UPDATE_DATE		
PO_HEADER_ID		
PO_LINE_ID		
SET_OF_BOOKS_ID		
CODE_COMBINATION_ID	CHARGE_ACCOUNT_ID	
LAST_UPDATE_LOGIN		
CREATED_BY		

Field Name	Maps to Column	Description
PO_RELEASE_ID		
QUANTITY_BILLED	QUANTITY_BILLED	Quantity invoiced against the distribution.
REQ_HEADER_REFERENCE_NUM	REQ_HEADER_REFERENCE_NUM	Requisition number of the requisition line placed on the distribution.
REQ_LINE_REFERENCE_NUM	REQ_LINE_REFERENCE_NUM	Paper requisition line number.
DELIVER_TO_LOCATION_ID		
DELIVER_TO_PERSON_ID		
RATE	RATE	Currency conversion rate.
ACCRUED_FLAG	ACCRUED_FLAG	Indicates whether distribution was accrued.
ENCUMBERED_FLAG	ENCUMBERED_FLAG	Distribution encumbered amount.
UNENCUMBERED_QUANTITY	UNENCUMBERED_QUANTITY	Quantity unencumbered on the distribution.
UNENCUMBERED_AMOUNT	UNENCUMBERED_AMOUNT	Amount unencumbered on the distribution.
GL_ENCUMBERED_DATE	GL_ENCUMBERED_DATE	Date the distribution was encumbered.
GL_CANCELLED_DATE	GL_CANCELLED_DATE	Date the distribution was cancelled.
DESTINATION_TYPE_CODE	DESTINATION_TYPE_CODE	Final destination name of the purchase item.
DESTINATION_SUBINVENTORY	DESTINATION_SUBINVENTORY	Final destination sub inventory for inventory purchases.
WIP_OPERATION_SEQ_NUM	WIP_OPERATION_SEQ_NUM	WIP operations sequence number with routing.
WIP_REPETITIVE_SCHEDULE_ID		
BUDGET_ACCOUNT_ID		
ACCRUAL_ACCOUNT_ID		
SOURCE_DISTRIBUTION_NUM		
SOURCE_DISTRIBUTION_ID		

Field Name	Maps to Column	Description
DISTRIBUTION_NUM	DISTRIBUTION_NUM	Required. Document distribution number.
REQUEST_ID		
PROGRAM_ID		
PROGRAM_UPDATE_DATE		
PREVENT_ENCUMBRANCE_ FLAG	PREVENT_ENCUMBRANCE_ FLAG	Indicates whether distribution should be encumbered.
REQUISITION_LINE_ID		
REQUISITION_HEADER_ID		
LINE_NUM		
SEGMENT1		
END_ITEM_UNIT_NUMBER		
RECOVERABLE_TAX	RECOVERABLE_TAX	Recoverable tax amount.
NONRECOVERABLE_TAX	NONRECOVERABLE_TAX	Non-recoverable tax amount.
RECOVERY_RATE	RECOVERY_RATE	Percentage of tax that can be recovered.
TAX_RECOVERY_OVERRIDE_ FLAG	TAX_RECOVERY_OVERRIDE_ FLAG	Indicator if tax-recovery should be used or not.
AWARD_ID		
OKE_CONTRACT_LINE_ID		
OKE_CONTRACT_DELIVERAB LE_ID		
ORG_ID		
DELIVERY_TO_LOCATION	DELIVERY_TO_LOCATION	Location to which the delivery must be made.
DELIVERY_TO_PERSON_FULL_ NAME	DELIVERY_TO_PERSON_FULL_ NAME	Person who receives the delivery.
DESTINATION_TYPE		
DESTINATION_ ORGANIZATION	DESTINATION_ ORGANIZATION	Organization that receives the deliver.
SET_OF_BOOKS	SET_OF_BOOKS	Set of GL books.
CHARGE_ACCOUNT	CHARGE_ACCOUNT	Required.
BUDGET_ACCOUNT	BUDGET_ACCOUNT	

Field Name	Maps to Column	Description
ACCURAL_ACCOUNT	ACCURAL_ACCOUNT	
VARIANCE_ACCOUNT	VARIANCE_ACCOUNT	
FAILED_FUNDS_LOOKUP_CODE		
WIP_ENTITY	WIP_ENTITY	WIP job.
WIP_REPETITIVE_SCHEDULE	WIP_REPETITIVE_SCHEDULE	
WIP_LINE_CODE	WIP_LINE_CODE	
BOM_RESOURCE	BOM_RESOURCE_CODE	Bill of material resource.
PROJECT_NAME	PROJECT	Project name.
TASK_NAME	TASK	Task name.
EXPENDITURE	EXPENDITURE	Project accounting expenditure.
EXPENDITURE_ORG_NAME	EXPENDITURE_ORGANIZATION	Project accounting expenditure organization name.
PROJECT_RELATED_FLAG	PROJECT_RELATED_FLAG	Project accounting project related.
AWARD_FULL_NAME	AWARD_ID	Award name.

Receive RCV Service

The name of this service is:

WmOAPRC1159.purchasing1159.intoOA.RCV:receiveRCV

You can use this service to process and validate receipt data from sources other than the Receipts window in Purchasing.

You can import the following types of receipt data:

- Standard Receipts

- Direct Receipts for receive and deliver transactions

- Corrections, Returns, Movement Statistics, and Dynamic Locators

This service does not support lot or serial numbering, nor does it support separate receive and deliver transactions. It supports the cascading of transaction quantities across different line locations for Promised Date, Need by Date, and then Creation Date.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_rcv.sql	Runs the scripts listed below, except the uninstall script.
wm_into_rcv_pkg.sql	Installs WM_RECEIVING_IMP_HANDLER_PKG.WM_HANDLE_RECEIVING, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT to submit the Receiving Transactions Import Concurrent request program.
wm_into_rcv_seq.sql	Create the WM_RCV_GROUP_S component, which creates the unique GROUP_ID sequence.
wm_drop_into_rcv.sql	Uninstalls all components created by wm_install_into_rcv.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

- setRCVTxn.txp

- RCVTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import inventory transactions:

- **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

- **specifyConcProgParams** specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

- **pickSequence** generates the group ID from the customer sequence WM_RCV_GROUP_S.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures, which is similar to the interface tables.

- **getVendorSiteId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3, CITY,STATE, ZIP, COUNTRY, VENDOR_NAME and ORG_NAME as the input parameters, queries the tables PO_VENDOR_SITES_ALL, PO_VENDORS, and ORG_ORGANIZAION and gets the VENDOR_SITE_ID corresponding to the passed values.

- **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, queries the table ORG_ORGANIZATION_DEFINITIONS and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

- **getLocationId** is a transformer for mapping the business document IData structure to the interface table IData structure. This is a general service to get the LOCATION_ID from HR_LOCATIONS, given ADDRESS_LINE_1, ADDRESS_LINE_2, ADDRESS_LINE_3, TOWN_OR_CITY, COUNTRY, POSTAL_CODE, REGION_1, and REGION_2.

- **getShipToOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, queries the table ORG_ORGANIZATION_DEFINITIONS, and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

- **getReasonId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes REASON_NAME as the input parameter, queries the table MTL_TRANSACTION_REASONS, and gets the REASON_ID corresponding to the REASON_NAME.

- **setRCVTxn** inserts data into the interface table. It extracts data form the IData structure that results in the bizDocMapping service, and puts the data into the interface table in Oracle Applications for Open Receiving.

- **importRCV** imports data to the production table from the interface table. It then calls the services executeConcurrentProgram, checkRCVIntTabStatus, and setRCVTxn_ERR to execute the corresponding concurrent program that inserts data into the production table to generate the error/acknowledgement message. If the status of the execution is SUCCESS (returned by the service executeConcurrentProgram), it checks for the record having the returned request ID in the error interface table. If a record is found, it indicates an error during import. In this case, this service calls getRCVTxn_ERR to retrieve the errors. If no record is found, it comes out of the flow and indicates the success of the data import process. If the status of the execution is FAILED, it returns the appropriate error message and comes out of execution.

  - **execRCVConcProg** invokes the stored procedure WM_RECEIVING_IMP_HANDLER_PKG.WM_HANDLE_RECEIVING. This procedure then calls the corresponding concurrent subroutine to execute the data import process for Open Receiving into Oracle Applications. This service gives Status ID, Request ID, and Execution Status Message (for normal concurrent

program completion), and a database Stored Procedure error message (if an exception occurs during the Stored Procedure execution).

■ **checkRCVImportStatus** checks the status of the execution by checking the Error Interface Table. If the query does not return any rows, it indicates successful import. If rows exist in the Error Interface table, it indicates that the concurrent program could not import data successfully in the production tables of Oracle Applications.

■ **getRCVTxn_ERR** gets the error message that occurs during the data import to the production table from the interface table. Based on the parameter request ID, it scans table PO_INTERFACE_ERRORS to get the corresponding message matches to the request ID.

For more details on receive transactions, see "Overview of Receive Service Transaction Processing" on page 36.

Business Document Structure

This service uses the business document RCVBizDoc. Its structure is as follows:

■ 1.0. RCV_HEADERS

    ■ 1.1. RCV_LINES

RCV_HEADERS (Maps to RCV_HEADERS_INTERFACE)

Field Name	Maps to Column	Description
WEB_TRANSACTION_ID		Not used for this service.
DOCUMENT_TYPE		
DOCUMENT_STATUS		
EDI_CONTROL_NUM	EDI_CONTROL_NUM	EDI transaction control number.
ASN_TYPE	ASN_TYPE	The document type values are ASN, ASBN, or RECEIVE.
ACCOUNTING_DATE		Not used for this service.
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. The transaction purpose code values are NEW, REPLACE, ADD, or CANCEL.
AUTO_TRANSACT_CODE	AUTO_TRANSACT_CODE	Required. Automatic transaction creation code of the shipment values are SHIP, RECEIVE, or DELIVER.

Field Name	Maps to Column	Description
NOTICE_CREATION_DATE	NOTICE_CREATION_DATE	EDI transaction creation date and time at the source.
SHIPMENT_NUM	SHIPMENT_NUM	Shipment number assigned by the shipment's source.
RECEIPT_NUM	RECEIPT_NUM	Required if AUTO_TRANSACT_CODE is not SHIP and receipt numbering method in purchasing's receiving options is Manual.
VENDOR_NAME	VENDOR_NAME	Required.
VENDOR_NUM	VENDOR_NUM	Required if the vendor name is not provided.
VENDOR_SITE_ADDRESS_ LINE1	VENDOR_SITE_ID	Address of the vendor site, which derives the Vendor Site ID in the Interface table. See the commonOA1159.utils: getVendorSiteId transformer.
VENDOR_SITE_ADDRESS_ LINE2		
VENDOR_SITE_ADDRESS_ LINE3		
VENDOR_TOWN_OR_CITY		
VENDOR_COUNTY		
VENDOR_STATE		
VENDOR_POSTAL_CODE		
VENDOR_COUNTRY		
SHIP_TO_ORGANIZATION_ NAME	SHIP_TO_ORGANIZATION_ID	Derives the Ship To Organization ID. See the commonOA1159.utils: getOrgId transformer.
LOCATION_ADDRESS_LINE1	LOCATION_ID	Derives the Location ID based on the Ship To Location Address. See the commonOA1159.utils: getLocationId transformer.
LOCATION_ADDRESS_LINE2		
LOCATION_SITE_ADDRESS_LI NE3		

Field Name	Maps to Column	Description
LOCATION_TOWN_OR_CITY		
LOCATION_COUNTY		
LOCATION_STATE		
LOCATION_POSTAL_CODE		
LOCATION_COUNTRY		
PACKING_SLIP	PACKING_SLIP	Packing slip number.
FREIGHT_CARRIER_CODE	FREIGHT_CARRIER_CODE	Carrier responsible for shipment.
EXPECTED_RECEIPT_DATE	EXPECTED_RECEIPT_DATE	
NUMBER_OF_CONTAINERS	NUMBER_OF_CONTAINERS	Number of containers in the shipment.
WAYBILL_AIRBILL_NUM	WAYBILL_AIRBILL_NUM	Waybill or air bill number.
COMMENTS	COMMENTS	
GROSS_WEIGHT	GROSS_WEIGHT	
GROSS_WEIGHT_UOM_CODE	GROSS_WEIGHT_UOM_CODE	Shipment gross weight unit of Measure from ASN.
NET_WEIGHT	NET_WEIGHT	
NET_WEIGHT_UOM_CODE	NET_WEIGHT_UOM_CODE	Shipment net weight unit of measure from ASN.
TAR_WEIGHT	TAR_WEIGHT	Shipment tar (container) weight from ASN.
TAR_WEIGHT_UOM_CODE	TAR_WEIGHT_UOM_CODE	Shipment tar (container) weight unit from ASN.
PACKAGING_CODE	PACKAGING_CODE	
CARRIER_METHOD	CARRIER_METHOD	Carrier method code.
CARRIER_EQUIPMENT	CARRIER_EQUIPMENT	
SPECIAL_HANDLING_CODE	SPECIAL_HANDLING_CODE	
HAZARD_CODE	HAZARD_CODE	
HAZARD_CLASS	HAZARD_CLASS	
HAZARD_DESCRIPTION	HAZARD_DESCRIPTION	
FREIGHT_TERMS	FREIGHT_TERMS	
FREIGHT_BILL_NUMBER	FREIGHT_BILL_NUMBER	

Field Name	Maps to Column	Description
INVOICE_NUM	INVOICE_NUM	EDI transaction 857 invoice number associated with the shipment or billing notice (ASN with billing information).
INVOICE_DATE	INVOICE_DATE	Invoice date for the invoice number.
TOTAL_INVOICE_AMOUNT	TOTAL_INVOICE_AMOUNT	Total invoice amount for the invoice number.
TAX_NAME	TAX_NAME	EDI transaction 857 tax name associated with the shipment or billing notice.
TAX_AMOUNT	TAX_AMOUNT	Tax amount for the tax name.
FREIGHT_AMOUNT	FREIGHT_AMOUNT	EDI transaction 857 freight bill amount associated with the shipment or billing notice.
CURRENCY_CODE	CURRENCY_CODE	EDI transaction 857 currency code.
CONVERSION_RATE	CONVERSION_RATE	EDI transaction 857 exchange rate.
CONVERSION_RATE_TYPE	CONVERSION_RATE_TYPE	EDI transaction 857 exchange rate type.
CONVERSION_RATE_DATE	CONVERSION_RATE_DATE	EDI transaction 857 exchange rate date.
PAYMENT_TERMS_NAME	PAYMENT_TERMS_NAME	EDI transaction 857 payment terms name.
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	US standard general ledger transaction code.
EMPLOYEE_NAME	EMPLOYEE_NAME	
INVOICE_STATUS_CODE	INVOICE_STATUS_CODE	Indicates when line items were rejected for ASN with billing information (ASBN).
VALIDATION_FLAG	VALIDATION_FLAG	Required. Marked after open interface validation.

1.1. RCV_LINES (Maps to RCV_LINES_INTERFACE)

Field Name	Maps to Column	Description
TRANSACTION_TYPE	TRANSACTION_TYPE	Required. Accepts values as SHIP for ASN and RECEIVE for standard receipt.
TRANSACTION_DATE	TRANSACTION_DATE	Required. Date must be in an open Purchasing and Inventory period.
ITEM_CATEGORY	ITEM_CATEGORY	
QUANTITY	QUANTITY	Required. Number of items.
UNIT_OF_MEASURE	UNIT_OF_MEASURE	Required. Transaction unit of measure.
INTERFACE_SOURCE_CODE	INTERFACE_SOURCE_CODE	Identifies the source of the transaction.
ITEM_NUMBER	ITEM_NUM	Item number.
ITEM_DESCRIPTION	ITEM_DESCRIPTION	Required.
ITEM_REVISION	ITEM_REVISION	
EMPLOYEE_NAME	EMPLOYEE_ID	
AUTO_TRANSACT_CODE	AUTO_TRANSACT_CODE	Required. Use: RECEIPT for a standard receipt DELIVER for a receipt and deliver transaction type.
SHIP_TO_ADDRESS_LINE1 SHIP_TO_ADDRESS_LINE2 SHIP_TO_ADDRESS_LINE3 SHIP_TO_TOWN_OR_CITY SHIP_TO_COUNTY SHIP_TO_STATE SHIP_TO_POSTAL_CODE SHIP_TO_COUNTRY	SHIP_TO_LOCATION_ID	Address of the Vendor Site. Derives the Vendor Site ID in the Interface table. See the commonOA1159.utils: getVendorSiteId transformer.
TO_ORGANIZATION_NAME	TO_ORGANIZATION_ID	Derives the To Organization ID. See the commonOA1159.utils:getOrgId transformer.

Field Name	Maps to Column	Description
DOCUMENT_NUM	DOCUMENT_NUM	Required. PO number.
PO_REVISION_NUM	PO_REVISION_NUM	Purchase order revision number.
RELEASE_NUM	RELEASE_NUM	PO release number.
DOCUMENT_LINE_NUM	DOCUMENT_LINE_NUM	Purchase order line number.
DOCUMENT_SHIPMENT_LINE _NUM	DOCUMENT_SHIPMENT_LINE _NUM	Shipment line number.
PO_UNIT_PRICE	PO_UNIT_PRICE	Unit price at time of receipt.
CURRENCY_CODE	CURRENCY_CODE	
CURRENCY_CONVERSION_ TYPE	CURRENCY_CONVERSION_ TYPE	
CURRENCY_CONVERSION_ RATE	CURRENCY_CONVERSION_ RATE	
CONVERSION_RATE_DATE	CURRENCY_CONVERSION _DATE	EDI transaction 857 exchange rate date.
DOCUMENT_DISTRIBUTION_ NUM	DOCUMENT_DISTRIBUTION_ NUM	Distribution number.
DESTINATION_TYPE_CODE	DESTINATION_TYPE_CODE	Required if the AUTO_TRANSACT_CODE is DELIVER.
SUBINVENTORY	SUBINVENTORY	
FREIGHT_CARRIER_CODE	FREIGHT_CARRIER_CODE	
BILL_OF_LADING	BILL_OF_LADING	
PACKING_SLIP	PACKING_SLIP	
EXPECTED_RECEIPT_DATE	EXPECTED_RECEIPT_DATE	Required if not provided as part of the header information. Expected arrival date.
WAYBILL_AIRBILL_NUM	WAYBILL_AIRBILL_NUM	Waybill or airbill number.
VENDOR_ITEM_NUM	VENDOR_ITEM_NUM	Item number for the vendor.
RMA_REFERENCE	RMA_REFERENCE	Returned material authorization reference.
COMMENTS	COMMENTS	
REASON_NAME	REASON_ID	Transaction reason. See the commonOA1159.utils:getReasonI d transformer.

Field Name	Maps to Column	Description
TAX_NAME	TAX_NAME	
TAX_AMOUNT	TAX_AMOUNT	
NOTICE_UNIT_PRICE	NOTICE_UNIT_PRICE	EDI transaction 857 unit price.
VENDOR_CUM_SHIPPED_ QUANTITY	VENDOR_CUM_SHIPPED_ QUANTITY	Supplier's CUM quantity shipped specified on the Advance Shipment Notice (ASN).
TRUCK_NUM	TRUCK_NUM	Truck number.
CONTAINER_NUM	CONTAINER_NUM	Container number.
LOCATION_ADDRESS_LINE1	LOCATION_ID	Derives the Location ID based on the Ship To location address. See the commonOA1159.utils: getLocationId transformer.
LOCATION_ADDRESS_LINE2		
LOCATION_ADDRESS_LINE3		
LOCATION_TOWN_OR_CITY		
LOCATION_COUNTY		
LOCATION_STATE		
LOCATION_POSTAL_CODE		
LOCATION_COUNTRY		
DELIVER_TO_PERSON_NAME	DELIVER_TO_PERSON_NAME	
DELIVER_TO_LOCATION_ ADDRESS_LINE1	DELIVER_TO_LOCATION_ID	Derives the Deliver To location ID based on the location address. See the commonOA1159.utils: getLocationId transformer.
DELIVER_TO_LOCATION_ ADDRESS_LINE2		
DELIVER_TO_LOCATION_ ADDRESS_LINE3		
DELIVER_TO_LOCATION_ TOWN_OR_CITY		
DELIVER_TO_LOCATION_ COUNTY		
DELIVER_TO_LOCATION_ STATE		

Field Name	Maps to Column	Description
DELIVER_TO_LOCATION_ POSTAL_CODE		
DELIVER_TO_LOCATION_ COUNTRY		
LOCATOR	LOCATOR	Locator name within the subinventory.
VALIDATION_FLAG	VALIDATION_FLAG	Required.
SUBSTITUTE_ITEM_NUM	SUBSTITUTE_ITEM_NUM	Substitute item number.
BARCODE_LABEL	BARCODE_LABEL	Label on the barcode.
COUNTRY_OF_ORIGIN_CODE	COUNTRY_OF_ORIGIN_CODE	

Receive Requisition Service

The name of this service is:

WmOAPRC1159.purchasing1159.intoOA.requisition:receiveRequisition

This service loads requisition documents into Oracle Applications production tables. You can load multiple types of requisition documents, such as Internal and Purchase. This service handles multiple requisition records in a single document, and a single document can contain any combination of requisition types.

Each record in the business document is inserted, updated, or cancelled according to the production data. The actual business operation (such as INSERT or UPDATE) is determined by the underlying Oracle Applications APIs and the data in the individual columns of the business document.

Data is loaded into the interface tables for both single and multiple distributions. The custom API calls the Oracle Applications API with a default parameter for multiple distributions.

While submitting the Import Requisition concurrent program to load the requisition records from interface tables to production tables, it is not possible to restrict the processing to only those records uploaded by the IS flow instance. The program will process all unprocessed records and error records from both the previous load and the interface table at the time of execution. While showing errors, it might display an error related to previously failed records, even if the current import process was successful. It is suggested to keep the interface table free of error records to minimize ambiguity.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_into_req.sql	Runs the scripts listed below, except the uninstall script.
wm_into_req_pkg.sql	Installs WM_REQ_IMP_HANDLER_PKG.WM_HANDLE_REQ, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT procedure to submit the Requisition import process.
wm_into_req_seq.sql	Creates the following components: ■ WM_REQ_BATCH_S, which creates the Req_Batch_sequence_id sequence ■ WM_REQ_DIST_S, which creates the Req_Dist_sequence_id
wm_drop_into_req.sql	Uninstalls all components created by wm_install_into_req.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setRequisitionTxn1159.txp

■ RequisitionTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

This service calls the following services to import inventory transactions:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ specifyConcProgParams specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ pickSequence generates a sequence value for header sequence.

- **bizDocMapping** maps the incoming business data structure to the required data structure, which is similar to the interface table. This service uses the following services internally to provide required data feed during the mapping (each record of PO_REQ_LINE becomes an entry of PO_REQUISITIONS_INTERFACE_ALL):

  - **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter, queries the table ORG_ORGANIZATION_DEFINITIONS, and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

  - **getVendorSiteId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3, CITY, STATE, ZIP, COUNTRY, VENDOR_NAME, and ORG_NAME as the input parameters, queries the PO_VENDOR_SITES_ALL, PO_VENDORS, and ORG_ORGANIZATION_DEFINITIONS tables, and gets the VENDOR_SITE_ID corresponding to the passed values.

  - **getCategoryId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes CATEGORY as the input parameter, and returns the CATEGORY_ID.

  - **getItemNumber** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ITEM as the input parameter, and returns the ITEM_NUMBER.

  - **getTaxCodeId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes TAX_NAME as the input parameter, and gets the TAX_CODE_ID corresponding to the input values.

  - **getWIPEntityId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes WIP_ENTITY_NAME as the input parameter, and gets the WIP_ENTITY_ID corresponding to the input values.

  - **getWIPLineId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes WIP_LINE_CODE as the input parameter, and gets the WIP_LINE_ID corresponding to the input values.

  - **getCodeCombinationId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes CONCATENATED_SEGMENTS and SET_OF_BOOKS_NAME as the input parameters, and gets the CODE_COMBINATION_ID corresponding to the input values. This service appears in multiple places in bizDocMapping.

  - **getInventoryItemId** returns the INVENTORY_ITEM_ID corresponding to the supplied ITEM_CODE and the ORGANIZATION_NAME. This service is a transformer in bizDocMapping.

  - **getKanbanCardId** returns the KANBAN_CARD_ID corresponding to the supplied KANBAN_CARD_NUMBER. This service is a transformer in bizDocMapping.

- **getLocationId** is a transformer for mapping the business document IData structure to the interface table IData structure. This is a general service that gets the LOCATION_ID from HR_LOCATIONS, given ADDRESS_LINE_1, ADDRESS_LINE_2, ADDRESS_LINE_3, TOWN_OR_CITY, COUNTRY, POSTAL_CODE, REGION_1, and REGION_2.

- **getProjectAndTaskId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes Project Name and Task Name as input, and returns Project ID and Task ID.

- **getResourceId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes BOM_RESOURCE_NAME as input, and returns BOM_RESOURCE_ID.

- **convertToDateObject** returns the outDate as a date object corresponding to the supplied inDate, which is in text format. This service is a transformer in bizDocMapping.

- **pickSequence** generates a sequence values for line sequence, distribution sequence, and custom batch sequence.

- **setRequisitionTxn** inserts data into the interface table. It takes data from the IData structure that results in the bizDocMapping service, and puts the data into the interface tables PO_REQUISITION_INTERFACE_ALL and PO_REQ_DIST_INTERFACE in Oracle Applications.

- **importRequisition** imports data to the production table.

  - **execRequisitionConcProg** calls the underlying Oracle Applications concurrent program with the set of parameters set in the previous MAP, and returns the V_REQUEST_ID, V_STATUS, O_MESSAGE, and V_ERRMSG if errors occur during the process.

  - **checkRequisitionImportStatus** checks the status of the concurrent program execution by checking the error Interface Table for any rejected record corresponding to the current request_id. If the query does not return any rows, it indicates successful import. If the query returns rows, it indicates that the concurrent program could not successfully import data in the production tables of Oracle Applications.

  - **getRequisitionImport_ERR** gets the data import error for the specific request ID. This service takes request_id as an input, retrieves a data import error from INTERFACE_ERROR table, and appends the errorsDoc record list.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document requisitionBizDoc. Its structure is as follows:

- 1.0. PO_REQUISITIONS
  - 1.1. PO_REQ_LINES
    - 1.1.1. PO_REQ_DISTRIBUTIONS

1.0. PO_REQUISITIONS (Maps to PO_REQUISITIONS_INTERFACE_ALL)

Field Name	Maps to Column	Description
INTERFACE_SOURCE_CODE	INTERFACE_SOURCE_CODE	Required. Use values such as ICX, INV, MRP, MSC, ORDER ENTRY, or WIP.
REQUISITION_TYPE	REQUISITION_TYPE	Requisition type. Use values such as BLANKET, PLANNED, SCHEDULED, STANDARD, INTERNAL, or EXPENSE.
AUTHORIZATION_STATUS	AUTHORIZATION_STATUS	Required. Use values such as: APPROVED, CANCELLED, IN PROCESS, INCOMPLETE, PRE–APPROVED, REJECTED, REQUIRES REAPPROVAL, or RETURNED.
PREPARER_NAME	PREPARER_NAME	Required. Name of the person who has prepared the requisition.
APPROVER_NAME	APPROVER_NAME	Name of the person who has approved the requisition.
HEADER_DESCRIPTION	HEADER_DESCRIPTION	Description for the requisition.
NOTE_TO_APPROVER	NOTE_TO_APPROVER	
USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE	United States standard general ledger transaction code.
KANBAN_CARD_NUMBER	KANBAN_CARD_ID	
EMERGENCY_PO_NUM	EMERGENCY_PO_NUM	Purchase order number reserved in advance for an emergency requisition.

Field Name	Maps to Column	Description
ORGANIZATION_NAME	ORG_ID	Organization for which a requisition has been raised.
SET_OF_BOOKS_NAME		Required for retrieving the Account ID using the transformer. See the commonOA1159.utils: getCodeCombinationId transformer.

1.1. PO_REQ_LINES (Maps to PO_REQUISITIONS_INTERFACE_ALL)

Field Name	Maps to Column	Description
DESTINATION_TYPE_CODE	DESTINATION_TYPE_CODE	Required. Use requisition destination type values such as: EXPENSES, INVENTORY, or SHOP FLOOR.
SOURCE_TYPE_CODE	SOURCE_TYPE_CODE	Conditionally required. Requisition source. Use values such as INVENTORY or VENDOR.
URGENT_FLAG	URGENT_FLAG	Indicates whether requisition is urgent.
RFQ_REQUIRED_FLAG	RFQ_REQUIRED_FLAG	Indicates whether a Request For Quotation (RFQ) is required before placement on a purchase order.
JUSTIFICATION	JUSTIFICATION	Purchase justification.
NOTE_TO_BUYER	NOTE_TO_BUYER	
NOTE_TO_RECEIVER	NOTE_TO_RECEIVER	
ITEM	ITEM_ID	Conditionally required. Item for which requisition is placed.
ITEM_DESCRIPTION	ITEM_DESCRIPTION	
ITEM_REVISION	ITEM_REVISION	
CATEGORY	CATEGORY_ID	Category of the item.
QUANTITY	QUANTITY	Required. Quantity ordered.
UNIT_PRICE	UNIT_PRICE	
UNIT_OF_MEASURE	UNIT_OF_MEASURE	

Field Name	Maps to Column	Description
UOM_CODE	UOM_CODE	Unit of measurement code.
LINE_TYPE	LINE_TYPE	Requisition line type.
UN_NUMBER	UN_NUMBER	UN number.
HAZARD_CLASS	HAZARD_CLASS	
REFERENCE_NUM	REFERENCE_NUM	Reference number.
SOURCE_ORGANIZATION_ NAME	SOURCE_ORGANIZATION_ID	Conditionally required.
SOURCE_SUBINVENTORY	SOURCE_SUBINVENTORY	Conditionally required.
DESTINATION_ ORGANIZATION_NAME	DESTINATION_ ORGANIZATION_ID	Destination organization name.
DESTINATION_ SUBINVENTORY	DESTINATION_SUBINVENTOR Y	
DELIVER_TO_LOCATION_ CODE	DELIVER_TO_LOCATION_ CODE	Deliver location code.
DELIVER_TO_LOCATION_ ADDRESS_LINE_1 DELIVER_TO_LOCATION_ ADDRESS_LINE_2 DELIVER_TO_LOCATION_ ADDRESS_LINE_3 DELIVER_TO_LOCATION_ TOWN_OR_CITY DELIVER_TO_LOCATION_ COUNTY DELIVER_TO_LOCATION_ STATE DELIVER_TO_LOCATION_ POSTAL_CODE DELIVER_TO_LOCATION_ COUNTRY	DELIVER_TO_LOCATION_ID	Required. Address for the delivery location.
DELIVER_TO_REQUESTOR_ NAME	DELIVER_TO_REQUESTOR_ NAME	Conditionally required.

Field Name	Maps to Column	Description
AUTOSOURCE_FLAG	AUTOSOURCE_FLAG	Conditionally required. Value validated against PO_AUTOSOURCE_ DOCUMENTS_ALL.
AUTOSOURCE_DOC_LINE_ NUM	AUTOSOURCE_DOC_LINE_ NUM	Conditionally required.
DOCUMENT_TYPE_CODE	DOCUMENT_TYPE_CODE	Conditionally required.
SUGGESTED_BUYER_NAME	SUGGESTED_BUYER_NAME	Conditionally required.
SUGGESTED_VENDOR_NAME	SUGGESTED_VENDOR_NAME	Conditionally required.
SUGGESTED_VENDOR_SITE_ ADDRESS_1 SUGGESTED_VENDOR_SITE_ ADDRESS_2 SUGGESTED_VENDOR_SITE_ ADDRESS_3 SUGGESTED_VENDOR_SITE_ CITY SUGGESTED_VENDOR_SITE_ STATE SUGGESTED_VENDOR_SITE_ ZIP SUGGESTED_VENDOR_SITE_ PROVINCE SUGGESTED_VENDOR_SITE_ COUNTRY	SUGGESTED_VENDOR_SITE_ ID	Conditionally required. Supplier's address.
SUGGESTED_VENDOR_ PHONE	SUGGESTED_VENDOR_ PHONE	Conditionally required. Supplier's phone.
SUGGESTED_VENDOR_ CONTACT	SUGGESTED_VENDOR_ CONTACT	Conditionally required. Supplier's contact person.
SUGGESTED_VENDOR_ITEM	SUGGESTED_VENDOR_ITEM_ NUM	Supplier's item number.
NEED_BY_DATE	NEED_BY_DATE	Required. Date the item is needed.
CURRENCY_CODE	CURRENCY_CODE	
CURRENCY_UNIT_PRICE	CURRENCY_UNIT_PRICE	Conditionally required.

Field Name	Maps to Column	Description
RATE	RATE	Conditionally required.
RATE_DATE	RATE_DATE	Conditionally required.
RATE_TYPE	RATE_TYPE	Conditionally required.
WIP_ENTITY_NAME	WIP_ENTITY_ID	Conditionally required.
WIP_LINE_CODE	WIP_LINE_ID	
WIP_OPERATION_SEQ_NUM	WIP_OPERATION_SEQ_NUM	WIP operation sequence number within a routing.
WIP_RESOURCE_SEQ_NUM	WIP_RESOURCE_SEQ_NUM	WIP resource sequence number.
WIP_REPETITIVE_SCHEDULE	WIP_REPETITIVE_SCHEDULE_ ID	Conditionally required.
BOM_RESOURCE	BOM_RESOURCE_ID	Conditionally required. Bill of materials resource.
TRANSACTION_REASON_ CODE	TRANSACTION_REASON_ CODE	
TAX_CODE	TAX_CODE_ID	

1.1.1. PO_REQ_DISTRIBUTIONS (Maps to PO_REQUISITIONS_INTERFACE_ALL)

Field Name	Maps to Column	Description
PROJECT_ACCOUNTING_ CONTEXT	PROJECT_ACCOUNTING_ CONTEXT	Indicates whether project accounting is required.
EXPENDITURE_ ORGANIZATION_NAME	EXPENDITURE_ ORGANIZATION_ID	Conditionally required. Project accounting expenditure organization.
PROJECT_NAME	PROJECT_ID	Conditionally required. For project accounting.
TASK_NAME	TASK_ID	Conditionally required. Project accounting task.
EXPENDITURE_ITEM_DATE	EXPENDITURE_ITEM_DATE	Project accounting expenditure date.
GL_DATE	GL_DATE	General Ledger date.
EXPENDITURE_TYPE	EXPENDITURE_TYPE	Conditionally required.
ALLOCATION_TYPE	ALLOCATION_TYPE	Specifies the method of allocation across distributions. Can be PERCENT.

Field Name	Maps to Column	Description
ALLOCATION_VALUE	ALLOCATION_VALUE	Allocation split value.
QUANTITY	QUANTITY	Required. Quantity to be distributed.
CHARGE_ACCOUNT	CHARGE_ACCOUNT_ID	Required. General ledger charge account number.
ACCRUAL_ACCOUNT	ACCRUAL_ACCOUNT_ID	Conditionally required. General Ledger accrual account number.
VARIANCE_ACCOUNT	VARIANCE_ACCOUNT_ID	Conditionally required. General Ledger variance account number.
BUDGET_ACCOUNT	BUDGET_ACCOUNT_ID	Conditionally required. General Ledger budget account number.

Send Purchase Order Service

The name of this service is:

WmOAPRC1159.purchasing1159.fromOA.PO:sendPO

This service retrieves all new or changed *approved* PO data, and presents it in a logical structure (a business document) that can be sent to a trading partner.

POs, once defined in Oracle Applications, cannot be deleted. Thus, business documents with the document status of INSERT or UPDATE (but not DELETE) will be created.

Approved POs may be updated and re-approved, and then closed or cancelled. The combination of Document Status, Status (PO Status), and Authorization Status defines the actual status of the PO at the polling instance. The decision to transfer the PO to a trading partner or to an internal organization must be made at implementation, based on the three statuses.

For example: A PO is created, approved, and then cancelled. One record of INSERT and one record of UPDATE are added to the Track Changes table. The sendPO service will retrieve the business document that has Autorization_status = APPROVED, Status = APPROVED, CLOSED, CANCELLED, and Transaction_status = INSERT. This document cannot be sent to the trading partner.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_po.sql	Runs the scripts listed below, except the uninstall script.
wm_from_po_vw.sql	Creates the following required view components for PO outbound transactions: ■ WM_PO_DISTRIBUTIONS_VW ■ WM_PO_LINE_LOCATIONS_VW ■ WM_PO_LINES_VW ■ WM_PO_HEADERS_VW ■ WM_PO_QRY_VW
wm_from_po_trg.sql	Creates the following trigger component to be used for writing to wm_trackchanges to indicate a new or updated document: ■ WM_PO_HEADERS_ALL_IU_TRG
wm_disable_from_po.sql	Disables the triggers installed by wm_from_po_trg.sql.
wm_enable_from_po.sql	Re-enables the triggers installed by wm_from_po_trg.sql.
wm_drop_from_po.sql	Uninstalls all components created by wm_install_from_po.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getPOTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow sendPO executes as follows:

■   **specifyDefaultSettings** specifies the default parameter settings required for service execution. You should change these settings accordingly.

■   **lockTxnCtrl** determines whether the sendPO service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

   ■   If **lockTxnCtrl** service returns False, that means another instance of this service is already in progress. The service exits and waits for the next scheduled execution.

   ■   If **lockTxnCtrl** service returns True, that means the service is ready to execute. The PO row in the control table is locked and updated so that the status is changed to INPROCESS, which prevents other PO services from executing.

■   **getPOTxn** service queries the Oracle Applications database for any PO transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■   **processBizDoc** is the customizable step that sends the business document to the trading partner by looping against each document. This step also needs to be customized to receive a SUCCESS or an ERROR status of the document transfer, along with the error information. The transfer status and any error information are logged against each document.

■   Loops against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

   ■   If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that the same sets of records are not picked up during the next polling interval. The **updateTrackChanges** service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y, and updates the Processed_Date to sysdate so that same information is not picked up again during next polling instance.

   ■   If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. The **purgeTrackChanges** service purges the records from the WM_TRACKCHANGES table.

■   Loops against each document. Based on the transfer status, the **insertTransferERRInfo** service inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

■   **unlockTxnCtrl** service releases the lock on the Custom Control table so that the next polling instance of sendVendor service can begin.

- **getLastError** service logs any errors that occur in the above steps.

- **unlockTxnCtrl** releases the lock on the Custom Control table.

For more details on send transactions, see "Overview of Send Service Transaction Processing" on page 43.

Business Document Structure

This service uses the following business document structure:

- 1.0. PO_HEADERS
    - 1.1. PO_LINES
    - 1.1.1. PO_LINE_LOCATIONS
        - 1.1.1.1. PO_DISTRIBUTIONS

1.0. PO_HEADERS

Field Name	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use PO.
DOCUMENT_STATUS			Use INSERT or UPDATE.
ORGANIZATION_NAME	HR_ORGANIZA TION_UNITS	NAME	Organization name for which the PO is generated.
DOC_SUBTYPE	PO_ DOCUMENT_ TYPES_ALL	DOCUMENT_ SUBTYPE	PO document subtype.
DOCUMENT_NUM	PO_HEADERS_ ALL	SEGMENT1	PO number.
REVISION_NUM	PO_HEADERS_ ALL	REVISION_ NUM	PO revision number.
CREATION_DATE	PO_HEADERS_ ALL	CREATION_ DATE	Date PO was created.
VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Supplier's name.
STATUS	PO_HEADERS_ ALL	AUTHORIZATI ON_STATUS	PO status.
AUTHORIZATION_STATUS	PO_HEADERS_ ALL	AUTHORIZATI ON_STATUS	Approval status of the PO.

Field Name	Oracle Applications Table/View Name	Column Name	Description
COMMENTS	PO_HEADERS_ALL	COMMENTS	Comments for the PO.
ACCEPTANCE_REQUIRED_FLAG	PO_HEADERS_ALL	ACCEPTANCE_REQUIRED_FLAG	Indicates whether acceptance from the supplier is required.
ACCEPTANCE_DUE_DATE	PO_HEADERS_ALL	ACCEPTANCE_DUE_DATE	Last date when the supplier should accept the PO.
FIRM_STATUS_LOOKUP_CODE	PO_HEADERS_ALL	FIRM_STATUS_LOOKUP_CODE	Indicates whether the PO should be prevented from being automatically rescheduled by the manufacturing application.
FROZEN_FLAG	PO_HEADERS_ALL	FROZEN_FLAG	Indicates whether the PO is frozen.
AMOUNT_LIMIT	PO_HEADERS_ALL	AMOUNT_LIMIT	Maximum amount that can be released against the PO.
MIN_RELEASE_AMOUNT	PO_HEADERS_ALL	MIN_RELEASE_AMOUNT	Minimum amount that can be released against the PO.
APPROVAL_REQUIRED_FLAG	PO_HEADERS_ALL	APPROVAL_REQUIRED_FLAG	Indicates whether a PO requires approval.
CLOSED_CODE	PO_HEADERS_ALL	CLOSED_CODE	Indicates whether a PO has a closed status.
SHIP_VIA_LOOKUP_CODE	PO_HEADERS_ALL	SHIP_VIA_LOOKUP_CODE	Freight carrier.
FREIGHT_TERMS_LOOKUP_CODE	PO_HEADERS_ALL	FREIGHT_TERMS_LOOKUP_CODE	Type of freight terms for the PO.
RATE_TYPE	PO_HEADERS_ALL	RATE_TYPE	Rate type for the PO.
RATE	PO_HEADERS_ALL	RATE	Rate for the PO.
FROM_TYPE_LOOKUP_CODE	PO_HEADERS_ALL	FROM_TYPE_LOOKUP_CODE	PO used to auto create.
END_DATE	PO_HEADERS_ALL	END_DATE	Expiration date of the document.

Field Name	Oracle Applications Table/View Name	Column Name	Description
REVISED_DATE	PO_HEADERS_ ALL	REVISED_DATE	Date when the PO has been revised.
NOTE_TO_VENDOR	PO_HEADERS_ ALL	NOTE_TO_ VENDOR	Note sent to the vendor.
PRINT_COUNT	PO_HEADERS_ ALL	PRINT_COUNT	
REPLY_DATE	PO_HEADERS_ ALL	REPLY_DATE	Date when the supplier replied to the PO.
SHIP_TO_ADDRESS_LINE_1	HR_ LOCATIONS	ADDRESS_LINE _1	Address that will receive the PO items. Derives the SHIP_TO_LOCATION_ID.
SHIP_TO_ADDRESS_LINE_2	HR_ LOCATIONS	ADDRESS_LINE _2	
SHIP_TO_ADDRESS_LINE_3	HR_ LOCATIONS	ADDRESS_LINE _3	
SHIP_TO_TOWN_OR_CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
SHIP_TO_COUNTRY	HR_ LOCATIONS	COUNTRY	
SHIP_TO_POSTAL_CODE	HR_ LOCATIONS	POSTAL_CODE	
SHIP_TO_REGION_1	HR_ LOCATIONS	REGION_1	
SHIP_TO_REGION_2	HR_ LOCATIONS	REGION_2	
SHIP_TO_REGION_3	HR_ LOCATIONS	REGION_3	
BILL_TO_ADDRESS_LINE_1	HR_ LOCATIONS	ADDRESS_LINE _1	Address that will receive the bill for the PO items. Derives the BILL_TO_LOCATION_ID.
BILL_TO_ADDRESS_LINE_2	HR_ LOCATIONS	ADDRESS_LINE _2	
BILL_TO_ADDRESS_LINE_3	HR_ LOCATIONS	ADDRESS_LINE _3	

Field Name	Oracle Applications Table/View Name	Column Name	Description
BILL_TO_TOWN_OR_CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
BILL_TO_COUNTRY	HR_ LOCATIONS	COUNTRY	
BILL_TO_POSTAL_CODE	HR_ LOCATIONS	POSTAL_CODE	
BILL_TO_REGION_1	HR_ LOCATIONS	REGION_1	
BILL_TO_REGION_2	HR_ LOCATIONS	REGION_2	
BILL_TO_REGION_3	HR_ LOCATIONS	REGION_3	
FOB_LOOKUP_CODE	PO_HEADERS_ ALL	FOB_LOOKUP_ CODE	Type of free on board terms for the shipment.
CURRENCY_CODE	PO_HEADERS_ ALL	CURRENCY_ CODE	
RATE_DATE	PO_HEADERS_ ALL	RATE_DATE	
START_DATE	PO_HEADERS_ ALL	START_DATE	Effective date of the price break.
BLANKET_TOTAL_AMOUNT	PO_HEADERS_ ALL	BLANKET_ TOTAL_ AMOUNT	Agreed amount for the PO.
APPROVED_DATE	PO_HEADERS_ ALL	APPROVED_ DATE	
NOTE_TO_RECEIVER	PO_HEADERS_ ALL	NOTE_TO_ RECEIVER	
PRINTED_DATE	PO_HEADERS_ ALL	PRINTED_DATE	Date when the PO is printed.
CONFIRMING_ORDER_FLAG	PO_HEADERS_ ALL	CONFIRMING_ ORDER_FLAG	Indicates whether the PO is a confirmed order.
REPLY_METHOD_LOOKUP_ CODE	PO_HEADERS_ ALL	REPLY_ METHOD_ LOOKUP_CODE	Method the supplier should reply to the PO.

Field Name	Oracle Applications Table/View Name	Column Name	Description
TYPE_LOOKUP_CODE	PO_HEADERS_ALL	TYPE_LOOKUP_CODE	Required. Use STANDARD, BLANKET, or QUOTATION. Maps directly.
USSGL_TRANSACTION_CODE	PO_HEADERS_ALL	USSGL_TRANSACTION_CODE	USA standard general ledger transaction code.
CLOSED_DATE	PO_HEADERS_ALL	CLOSED_DATE	Date when the PO is closed.
RFQ_CLOSE_DATE	PO_HEADERS_ALL	RFQ_CLOSE_DATE	Date when the Request For Quotation (RFQ) closes.
QUOTE_WARNING_DELAY	PO_HEADERS_ALL	QUOTE_WARNING_DELAY	Number of days before the quotation expires.
QUOTE_VENDOR_QUOTE_NUMBER	VENDOR_DOC_NUM	QUOTE_VENDOR_QUOTE_NUMBER	Supplier document number.
AGENT_NAME	PER_ALL_PEOPLE_F	NAME	Buyer's name.
ADDRESS_LINE1	PO_VENDOR_SITES_ALL	ADDRESS_LINE1	Supplier's address line 1.
ADDRESS_LINE2	PO_VENDOR_SITES_ALL	ADDRESS_LINE2	Supplier's address line 2.
ADDRESS_LINE3	PO_VENDOR_SITES_ALL	ADDRESS_LINE3	Supplier's address line 3.
CITY	PO_VENDOR_SITES_ALL	CITY	
STATE	PO_VENDOR_SITES_ALL	STATE	
ZIP	PO_VENDOR_SITES_ALL	ZIP	
COUNTRY	PO_VENDOR_SITES_ALL	COUNTRY	
PHONE	PO_VENDOR_SITES_ALL	PHONE	

Field Name	Oracle Applications Table/View Name	Column Name	Description
FAX	PO_VENDOR_ SITES_ALL	FAX	
VENDOR_CONTACT	PO_VENDOR_ CONTACTS	LAST_NAME, FIRST_NAME	Supplier's contact name.
PAYMENT_TERMS	AP_TERMS	NAME	
PCARD_NUM	AP_CARDS_ ALL	CARD_ NUMBER	Credit card number.
PAY_ON_CODE	PO_HEADERS_ ALL	PAY_ON_CODE	Indicates whether the PO will be paid on receipt.
RELEASE_NUM	PO_RELEASES_ ALL	RELEASE_NUM	PO release number.
INTERFACE_SOURCE_CODE	PO_HEADERS_ ALL	INTERFACE_ SOURCE_CODE	Indicates the source where Oracle Applications gets the PO.
PO_HEADER_ID	PO_HEADERS_ ALL	PO_HEADER_ID	Required for outbound transactions. Unique identifier for PO header.

1.1. PO_LINES

Field Name	Oracle Applications Table/View Name	Column Name	Description
LINE_NUM	PO_LINES_ALL	LINE_NUM	PO line number.
LINE_TYPE	PO_LINE_TYPES	LINE_TYPE	PO line type.
ITEM_REVISION	PO_LINES_ALL	ITEM_ REVISION	PO item revision.
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_ DESCRIPTION	
UNIT_MEAS_LOOKUP_CODE	PO_LINES_ALL	UNIT_MEAS_ LOOKUP_CODE	Unit of measure for the items.
COMMITTED_AMOUNT	PO_LINES_ALL	COMMITTED_ AMOUNT	Supplier's agreed amount for the items.
ALLOW_PRICE_OVERRIDE_ FLAG	PO_LINES_ALL	ALLOW_PRICE_ OVERRIDE_ FLAG	Indicates whether the price can be changed for a PO release.

Field Name	Oracle Applications Table/View Name	Column Name	Description
NOT_TO_EXCEED_PRICE	PO_LINES_ALL	NOT_TO_EXCEED_PRICE	Maximum price limit for a PO release.
LIST_PRICE_PER_UNIT	PO_LINES_ALL	LIST_PRICE_PER_UNIT	
UNIT_PRICE	PO_LINES_ALL	UNIT_PRICE	
QUANTITY	PO_LINES_ALL	QUANTITY	Quantity for each item ordered.
VENDOR_PRODUCT_NUM	PO_LINES_ALL	VENDOR_PRODUCT_NUM	Supplier's item number.
UN_NUMBER	PO_UN_NUMBERS	UN_NUMBER	
HAZARD_CLASS	PO_HAZARD_CLASSES	HAZARD_CLASS	
MIN_ORDER_QUANTITY	PO_LINES_ALL	MIN_ORDER_QUANTITY	Minimum order quantity for the PO.
MAX_ORDER_QUANTITY	PO_LINES_ALL	MAX_ORDER_QUANTITY	Maximum order quantity for the PO.
QTY_RCV_TOLERANCE	PO_LINES_ALL	QTY_RCV_TOLERANCE	Maximum over-receipt tolerance percentage for the quantity of the items received.
OVER_TOLERANCE_ERROR_FLAG	PO_LINES_ALL	OVER_TOLERANCE_ERROR_FLAG	A shipment is automatically closed for invoicing if this tolerance percentage is reached when billed.
MARKET_PRICE	PO_LINES_ALL	MARKET_PRICE	Market price for the item ordered in the PO.
FIRM_STATUS_LOOKUP_CODE	PO_LINES_ALL	FIRM_STATUS_LOOKUP_CODE	Indicates whether the PO should be prevented from being automatically rescheduled by the manufacturing application.
NOTE_TO_VENDOR	PO_LINES_ALL	NOTE_TO_VENDOR	Note to the supplier.
TAXABLE_FLAG	PO_LINES_ALL	TAXABLE_FLAG	Indicates whether the item is taxable.

Field Name	Oracle Applications Table/View Name	Column Name	Description
TAX_NAME	AP_TAX_CODES _ALL	NAME	Name of the tax applied to the item.
TYPE_1099	PO_LINES_ALL	TYPE_1099	1099 type for the purchase order item.
CAPITAL_EXPENSE_FLAG	PO_LINES_ALL	CAPITAL_ EXPENSE_FLAG	Indicates whether the item cost is a capital expense.
NEGOTIATED_BY_PREPARER_ FLAG	PO_LINES_ALL	NEGOTIATED_ BY_PREPARER_ FLAG	Indicates whether the buyer negotiated the price.
MIN_RELEASE_AMOUNT	PO_LINES_ALL	MIN_RELEASE_ AMOUNT	Minimum release amount.
PRICE_TYPE_LOOKUP_CODE	PO_LINES_ALL	PRICE_TYPE_ LOOKUP_CODE	Default price type for a PO.
PRICE_BREAK_LOOKUP_CODE	PO_LINES_ALL	PRICE_BREAK_ LOOKUP_CODE	Default price break type for catalog.
TRANSACTION_REASON_ CODE	PO_LINES_ALL	TRANSACTION _REASON_ CODE	
USSGL_TRANSACTION_CODE	PO_LINES_ALL	USSGL_ TRANSACTION _CODE	USA standard general ledger transaction code.
ITEM	MTL_SYSTEM_ ITEMS	SEGMENT1	
UOM_CODE	MTL_UNITS_OF _MEASURE	UOM_CODE	Unit of measurement.
CATEGORY	MTL_ CATEGORIES_B _KFV	CONCATENATE D_SEGMENTS	Category of the item in the PO.
FROM_HEADER_NUM	PO_HEADERS_ ALL	SEGMENT1	Unique header number to automatically create the PO.
LINE_REFERENCE_NUM	PO_LINES_ALL	LINE_ REFERENCE_ NUM	Unique PO line number to automatically create the PO.
UNIT_WEIGHT	MTL_SYSTEM_ ITEMS	UNIT_WEIGHT	Units for weight.

Field Name	Oracle Applications Table/View Name	Column Name	Description
WEIGHT_UOM_CODE	MTL_SYSTEM_ITEMS	WEIGHT_UOM_CODE	Weight unit of measurement.
VOLUME_UOM_CODE	MTL_SYSTEM_ITEMS	VOLUME_UOM_CODE	Volume unit of measurement.
UNIT_VOLUME	MTL_SYSTEM_ITEMS	UNIT_VOLUME	
PRICE_UPDATE_TOLERANCE	PO_HEADERS_ALL	PRICE_UPDATE_TOLERANCE	Maximum percentage increase without buyer approval for price or sale catalog update sent by supplier.
TEMPLATE_NAME			For inbound transactions.
SOURCING_RULE_NAME	MRP_SOURCING_RULES	SOURCING_RULE_NAME	Name of the sourcing rule created by purchasing documents.
ACTION			Action to be completed on the purchase order line for inbound transactions. Use: NEW for a new PO ADDED to add a line to an existing PO.
PO_HEADER_ID	PO_HEADERS_ALL	PO_HEADER_ID	Required for outbound transactions. Unique identifier for PO headers.
PO_LINE_ID	PO_LINES_ALL	PO_LINE_ID	Required for outbound transactions. Unique identifier for PO lines.
CANCEL_FLAG	PO_LINES_ALL	CANCEL_FLAG	Indicates whether the PO was cancelled.
CANCEL_REASON	PO_LINES_ALL	CANCEL_REASON	
CANCEL_DATE	PO_LINES_ALL	CANCEL_DATE	
CLOSED_FLAG	PO_LINES_ALL	CLOSED_FLAG	Indicates whether the PO is closed.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CLOSED_REASON	PO_LINES_ALL	CLOSED_ REASON	
CLOSED_DATE	PO_LINES_ALL	CLOSED_DATE	

1.1.1. PO_LINE_LOCATIONS

Field Name	Oracle Applications Table/View Name	Column Name	Description
SHIPMENT_NUM	PO_LINE_ LOCATIONS	SHIPMENT_ NUM	PO shipment number.
SHIP_TO_ORGANIZATION_ NAME	HR_ LOCATIONS	DESCRIPTION	Organization that will receive PO items.
SHIP_TO_LOCATION	HR_ LOCATIONS	SHIP_TO_ LOCATION	
SHIP_TO_LOC_ADDRESS_LINE _1	HR_ LOCATIONS	ADDRESS_LINE _1	Indicates where to ship the PO items.
SHIP_TO_LOC_ADDRESS_LINE _2	HR_ LOCATIONS	ADDRESS_LINE _2	Indicates where to ship the PO items.
SHIP_TO_LOC_ADDRESS_LINE _3	HR_ LOCATIONS	ADDRESS_LINE _3	Indicates where to ship the PO items.
SHIP_TO_LOC_TOWN_OR_ CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
SHIP_TO_LOCATION_ COUNTRY	HR_ LOCATIONS	COUNTRY	
SHIP_TO_LOCATION_POSTAL_ CODE	HR_ LOCATIONS	POSTAL_CODE	
SHIP_TO_LOCATION_REGION _1	HR_ LOCATIONS	REGION_1	
SHIP_TO_LOCATION_REGION _2	HR_ LOCATIONS	REGION_2	
SHIP_TO_LOCATION_REGION _3	HR_ LOCATIONS	REGION_3	
NEED_BY_DATE	PO_LINE_ LOCATIONS	NEED_BY_ DATE	Due date when the PO item needs to be shipped.

Field Name	Oracle Applications Table/View Name	Column Name	Description
PROMISED_DATE	PO_LINE_ LOCATIONS	PROMISED_ DATE	Date promised by the supplier when the item would be delivered.
PRICE_DISCOUNT	PO_LINE_ LOCATIONS	PRICE_ DISCOUNT	Discount percentage for price break.
EFFECTIVE_START_DATE	PO_LINE_ LOCATIONS	START_DATE	Effective date for the price break.
EXPIRATION_END_DATE	PO_LINE_ LOCATIONS	END_DATE	Expiration date for the price break.
LEAD_TIME	PO_LINE_ LOCATIONS	LEAD_TIME	Lead time for the price break.
LEAD_TIME_UNIT	PO_LINE_ LOCATIONS	LEAD_TIME_ UNIT	Unit of measurement for the lead time.
INSPECTION_REQUIRED_ FLAG	PO_LINE_ LOCATIONS	INSPECTION_ REQUIRED_ FLAG	Indicates whether the shipment should be inspected before the invoice should be paid.
RECEIPT_REQUIRED_FLAG	PO_LINE_ LOCATIONS	RECEIPT_ REQUIRED_ FLAG	Indicates whether the shipment must be received before the invoice is paid.
RECEIVE_CLOSE_TOLERANCE	PO_LINE_ LOCATIONS	RECEIVE_ CLOSE_ TOLERANCE	Percentage tolerance within which a shipment is automatically closed for receiving.
INVOICE_CLOSE_TOLERANCE	PO_LINE_ LOCATIONS	INVOICE_ CLOSE_ TOLERANCE	Percentage tolerance within which a shipment is automatically closed for invoicing before billing.
QTY_RCV_EXCEPTION_CODE	PO_LINE_ LOCATIONS	QTY_RCV_ EXCEPTION_ CODE	Describes the action taken when the quantity-received tolerance is exceeded.
DAYS_EARLY_RECEIPT_ ALLOWED	PO_LINE_ LOCATIONS	DAYS_EARLY_ RECEIPT_ ALLOWED	Maximum acceptable number of days that items can be received early.
DAYS_LATE_RECEIPT_ ALLOWED	PO_LINE_ LOCATIONS	DAYS_LATE_ RECEIPT_ ALLOWED	Minimum acceptable number of days that items can be received late.

Field Name	Oracle Applications Table/View Name	Column Name	Description
ENFORCE_SHIP_TO_LOCATION_CODE	PO_LINE_LOCATIONS	ENFORCE_SHIP_TO_LOCATION_CODE	Describes the action taken when the receiving location differs from the Ship To location.
RECEIPT_DAYS_EXCEPTION_CODE	PO_LINE_LOCATIONS	RECEIPT_DAYS_EXCEPTION_CODE	Describes the action taken when items are received earlier or later than the allowed number of days.
ACCRUE_ON_RECEIPT_FLAG	PO_LINE_LOCATIONS	ACCRUE_ON_RECEIPT_FLAG	Indicates whether items are accrued upon receipt.
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	PO_LINE_LOCATIONS	ALLOW_SUBSTITUTE_RECEIPTS_FLAG	Indicates whether substitute items can be received in place of ordered items.
TAX_USER_OVERRIDE_FLAG	PO_LINE_LOCATIONS	TAX_USER_OVERRIDE_FLAG	Indicates whether someone overrode the default tax.
LINE_LOCATION_ID	PO_LINE_LOCATIONS	LINE_LOCATION_ID	Required for outbound transactions. Unique identifier for PO Line Locations.
PO_LINE_ID	PO_LINES_ALL	PO_LINE_ID	Required for outbound transactions. Unique identifier for PO lines.
CANCEL_FLAG	PO_LINES_ALL	CANCEL_FLAG	Indicates whether the PO was cancelled.
CANCEL_REASON	PO_LINES_ALL	CANCEL_REASON	
CANCEL_DATE	PO_LINES_ALL	CANCEL_DATE	
CLOSED_FLAG	PO_LINES_ALL	CLOSED_FLAG	Indicates whether the PO was closed.
CLOSED_REASON	PO_LINES_ALL	CLOSED_REASON	
CLOSED_DATE	PO_LINES_ALL	CLOSED_DATE	

1.1.1.1. PO_DISTRIBUTIONS

Field Name	Oracle Applications Table/View Name	Column Name	Description
RATE_DATE	PO_DISTRIBUTIONS_ALL	RATE_DATE	Currency conversion date.
AMOUNT_BILLED	PO_DISTRIBUTIONS_ALL	AMOUNT_BILLED	Amount invoiced against distribution.
ENCUMBERED_AMOUNT	PO_DISTRIBUTIONS_ALL	ENCUMBERED_AMOUNT	Distribution encumbered amount.
GL_ENCUMBERED_PERIOD_NAME	PO_DISTRIBUTIONS_ALL	GL_ENCUMBERED_PERIOD_NAME	Period when the distribution was encumbered.
WIP_RESOURCE_SEQ_NUM	PO_DISTRIBUTIONS_ALL	WIP_RESOURCE_SEQ_NUM	Work In Process resource sequence number.
DESTINATION_CONTEXT	PO_DISTRIBUTIONS_ALL	DESTINATION_CONTEXT	Destination details description.
USSGL_TRANSACTION_CODE	PO_DISTRIBUTIONS_ALL	USSGL_TRANSACTION_CODE	USA standard general ledger transaction code.
EXPENDITURE_TYPE	PO_DISTRIBUTIONS_ALL	EXPENDITURE_TYPE	Project accounting expenditure type.
PROJECT_ACCOUNTING_CONTEXT	PO_DISTRIBUTIONS_ALL	PROJECT_ACCOUNTING_CONTEXT	Project accounting context.
GL_CLOSED_DATE	PO_DISTRIBUTIONS_ALL	GL_CLOSED_DATE	Date when the distribution is closed.
ACCRUE_ON_RECEIPT_FLAG	PO_DISTRIBUTIONS_ALL	ACCRUE_ON_RECEIPT_FLAG	Indicates whether the items are accrued on receipt.
EXPENDITURE_ITEM_DATE	PO_DISTRIBUTIONS_ALL	EXPENDITURE_ITEM_DATE	Project accounting expenditure item date.

Field Name	Oracle Applications Table/View Name	Column Name	Description
QUANTITY_ORDERED	PO_ DISTRIBUTIONS _ALL	QUANTITY_ ORDERED	Quantity ordered on the distribution.
QUANTITY_DELIVERED	PO_ DISTRIBUTIONS _ALL	QUANTITY_ DELIVERED	Quantity delivered against the distribution.
QUANTITY_CANCELLED	PO_ DISTRIBUTIONS _ALL	QUANTITY_ CANCELLED	Quantity cancelled for the distribution.
QUANTITY_BILLED	PO_ DISTRIBUTIONS _ALL	QUANTITY_ BILLED	Quantity invoiced against the distribution.
REQ_HEADER_REFERENCE_ NUM	PO_ DISTRIBUTIONS _ALL	REQ_HEADER_ REFERENCE_ NUM	Requisition number of the requisition line placed on the distribution.
REQ_LINE_REFERENCE_NUM	PO_ DISTRIBUTIONS _ALL	REQ_LINE_ REFERENCE_ NUM	Paper requisition line number.
RATE	PO_ DISTRIBUTIONS _ALL	RATE	Currency conversion rate.
ACCRUED_FLAG	PO_ DISTRIBUTIONS _ALL	ACCRUED_ FLAG	Indicates whether distribution was accrued.
ENCUMBERED_FLAG	PO_ DISTRIBUTIONS _ALL	ENCUMBERED_ FLAG	Distribution encumbered amount.
UNENCUMBERED_QUANTITY	PO_ DISTRIBUTIONS _ALL	UNENCUMBER ED_QUANTITY	Quantity unencumbered on the distribution.
UNENCUMBERED_AMOUNT	PO_ DISTRIBUTIONS _ALL	UNENCUMBER ED_AMOUNT	Amount unencumbered on the distribution.
GL_ENCUMBERED_DATE	PO_ DISTRIBUTIONS _ALL	GL_ ENCUMBERED_ DATE	Date the distribution was encumbered.

Field Name	Oracle Applications Table/View Name	Column Name	Description
GL_CANCELLED_DATE	PO_ DISTRIBUTIONS _ALL	GL_ CANCELLED_D ATE	Date the distribution was cancelled.
DESTINATION_TYPE_CODE	PO_ DISTRIBUTIONS _ALL	DESTINATION_ TYPE_CODE	Final destination name of the purchase item.
DESTINATION_ SUBINVENTORY	PO_ DISTRIBUTIONS _ALL	DESTINATION_ SUBINVENTOR Y	Final destination subinventory for inventory purchases.
WIP_OPERATION_SEQ_NUM	PO_ DISTRIBUTIONS _ALL	WIP_ OPERATION_ SEQ_NUM	Work In Process operations sequence number.
DISTRIBUTION_NUM	PO_ DISTRIBUTIONS _ALL	DISTRIBUTION_ NUM	Document distribution number.
PREVENT_ENCUMBRANCE_ FLAG	PO_ DISTRIBUTIONS _ALL	PREVENT_ ENCUMBRANC E_FLAG	Indicates whether distribution should be encumbered.
RECOVERABLE_TAX	PO_ DISTRIBUTIONS _ALL	RECOVERABLE _TAX	Recoverable tax amount.
NONRECOVERABLE_TAX	PO_ DISTRIBUTIONS _ALL	NONRECOVER ABLE_TAX	Non-recoverable tax amount.
RECOVERY_RATE	PO_ DISTRIBUTIONS _ALL	RECOVERY_ RATE	Percentage of tax that can be recovered.
TAX_RECOVERY_OVERRIDE_ FLAG	PO_ DISTRIBUTIONS _ALL	TAX_ RECOVERY_ OVERRIDE_ FLAG	Indicates whether tax-recovery should be used.
DELIVERY_TO_LOCATION	HR_ LOCATIONS_ ALL	LOCATION_ CODE	Location for the delivery.
DELIVERY_TO_PERSON_FULL_ NAME	PER_PEOPLE_F	FULL_NAME	Person who will receive delivery.

Field Name	Oracle Applications Table/View Name	Column Name	Description
DESTINATION_ORGANIZATION	HR_ALL_ORGANIZATION_UNITS		Organization that will receive the distribution.
SET_OF_BOOKS	GL_SET_OF_BOOKS	NAME	Set of General Ledger books.
CHARGE_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Charge account number.
BUDGET_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Budget account number.
ACCURAL_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Accrual account number.
VARIANCE_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Variance account number.
WIP_ENTITY	WIP_ENTITIES	WIP_ENTITY_NAME	Work In Process job.
WIP_REPETITIVE_SCHEDULE	WIP_REPETITIVE_SCHEDULES	DESCRIPTION	Work In Process repetitive schedule.
WIP_LINE_CODE	WIP_LINES	LINE_CODE	Work In Process line.
BOM_RESOURCE	BOM_RESOURCES	RESOURCE_CODE	Bill of Material resource.
PROJECT_NAME	PA_PROJECTS_ALL	NAME	
TASK_NAME	PA_TASKS	TASK_NAME	
EXPENDITURE	PA_EXPENDITURE_TYPES	DESCRIPTION	Project accounting expenditure.
EXPENDITURE_ORG_NAME	HR_ALL_ORGANIZATION_UNITS	NAME	Project accounting expenditure organization name.
PROJECT_RELATED_FLAG	PO_DISTRIBUTIONS_ALL	EXPENDITURE_TYPE	Project accounting's project related flag that uses N when NULL.

Field Name	Oracle Applications Table/View Name	Column Name	Description
AWARD_FULL_NAME	GMS_AWARDS_ALL	AWARD_FULL_NAME	
LINE_LOCATION_ID	PO_LINE_LOCATIONS_ALL	LINE_LOCATION_ID	Required for outbound transactions. Unique identifier for PO line locations.

Send Request For Quotation Service

The name of this service is:

WmOAPRC1159.purchasing1159.fromOA.RFQ:sendRFQ

This service notifies and delivers Request For Quotation (RFQ) changes. Because RFQs cannot be deleted, the document status of DELETE does not apply in this case.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_rfq.sql	Runs the scripts listed below, except the uninstall script.
wm_from_rfq_vw.sql	Creates the following required view components for RFQ outbound transactions: ■ WM_RFQ_HEADERS_VW ■ WM_RFQ_LINES_VW ■ WM_RFQ_PRICE_BREAKS_VW ■ WM_RFQ_QRY_VW
wm_from_rfq_trg.sql	Creates the following trigger component to be used for writing to wm_trackchanges to indicate a new or updated document: ■ WM_PO_RFQ_VENDORS_IU_TRG
wm_disable_from_rfq.sql	Disables the triggers installed by wm_from_rfq_trg.sql.

Script	Description
wm_enable_from_rfq.sql	Re-enables the triggers installed by wm_from_rfq_trg.sql.
wm_drop_from_rfq.sql	Uninstalls all components created by wm_install_from_rfq.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getRFQTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow sendRFQ executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ lockTxnCtrl determines whether the sendRFQ service is ready for execution. That is, it determines whether there is no other instance of this service already in process.

   ■ If lockTxnCtrl service returns False, that means another instance of this service is already in progress. The service exits and waits for next scheduled execution.

   ■ If lockTxnCtrl service returns True, that means the service is ready to execute. The RFQ row in the control table is locked and updated so that the status is changed to INPROCESS, which prevents other RFQ services from executing.

■ getRFQTxn service queries the Oracle Applications database for any RFQ transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ processBizDoc is the customizable step that sends the business document to the trading partner by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer, along with the error information. Transfer status and any error information are logged against each document.

■ Loops against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

- If the Debug Mode is TRUE, the records in the WM_TRACKCHANGES table are updated and the PROCESSED_FLAG is set to Y. This ensures that same sets of records are not picked up during the next polling interval. The updateTrackChanges service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y, and updates Processed_Date to sysdate so that same information is not picked up again during the next polling instance.

- If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. The purgeTrackChanges service purges the records from the WM_TRACKCHANGES table.

- Loops against each document. Based on the transfer status, the insertTransferERRInfo service inserts a new record in the WM_TRACKCHANGES table so that the same document can be picked up during the next polling interval.

- getLastError service logs any errors so that the next polling instance of sendVendor service can begin..

- unlockTxnCtrl releases the lock on the Custom Control table.

For more details on send transactions, see .

Business Document Structure

This service uses the following business document structure:

- 1.0. RFQ_HEADERS
    - 1.1. RFQ_LINES
        - 1.1.1. RFQ_PRICE_BREAKS

1.0. RFQ_HEADERS

Field Name	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			
DOCUMENT_TYPE			Use RFQ.
DOCUMENT_STATUS			Use INSERT or UPDATE.
RFQ_ID	PO_HEADERS_ ALL PO_RFQ_ VENDORS	PO_HEADER_ID PO_HEADER_ID	Request For Quotation (RFQ) identifier.

Field Name	Oracle Applications Table/View Name	Column Name	Description
PO_HEADER_ID	PO_HEADERS_ ALL	PO_HEADER_ID	Required for outbound transactions. Unique identifier for the RFQ header.
RFQ_NUMBER	PO_HEADERS_ ALL	SEGMENT1	
VENDOR_NAME	PO_HEADERS_ ALL	VENDOR_ NAME	
VENDOR_ADDRESS_LINE1	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE1	
VENDOR_ADDRESS_LINE2	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE2	
VENDOR_ADDRESS_LINE3	PO_VENDOR_ SITES_ALL	ADDRESS_ LINE3	
VENDOR_CITY	PO_VENDOR_ SITES_ALL	CITY	
VENDOR_STATE	PO_VENDOR_ SITES_ALL	STATE	
VENDOR_ZIP	PO_VENDOR_ SITES_ALL	ZIP	
VENDOR_COUNTRY	PO_VENDOR_ SITES_ALL	COUNTRY	
VENDOR_PHONE	PO_VENDOR_ SITES_ALL	AREA_CODE + PHONE	
VENDOR_FAX	PO_VENDOR_ SITES_ALL	FAX_AREA_ CODE + FAX	
VENDOR_CONTACT_NAME	PO_VENDOR_ CONTACTS	LAST_NAME + FIRST_NAME	
VENDOR_PRINT_FLAG	PO_RFQ_ VENDORS	PRINT_FLAG	
VENDOR_PRINT_COUNT	PO_RFQ_ VENDORS	PRINT_COUNT	Vendor RFQ print count.
VENDOR_PRINTED_DATE	PO_RFQ_ VENDORS	PRINTED_DATE	RFQ printed date.
HOLD_FLAG	PO_VENDORS	HOLD_FLAG	

Field Name	Oracle Applications Table/View Name	Column Name	Description
DOCUMENT_TYPE_NAME	PO_ DOCUMENT_ TYPES	NAME	Name of the RFQ document type.
CREATED	PO_HEADERS_ ALL	CREATION_ DATE	Date the RFQ was created.
TYPE_LOOKUP_CODE	PO_HEADERS_ ALL	TYPE_LOOKUP_ CODE	Type of the document.
RFQ_STATUS	PO_HEADERS_ ALL	STATUS_LOOK UP_CODE	Status of the RFQ: In Process, Active, or Closed.
REVISION_NUM	PO_HEADERS_ ALL	REVISION_ NUM	RFQ revision number.
SHIP_TO_LOCATION_ADD_ LINE_1	HR_ LOCATIONS	ADDRESS_LINE _1	Address where the PO items will be shipped. Derives the SHIP_TO_LOCATION_ID.
SHIP_TO_LOCATION_ADD_ LINE_2	HR_ LOCATIONS	ADDRESS_LINE _2	
SHIP_TO_LOCATION_ADD_ LINE_3	HR_ LOCATIONS	ADDRESS_LINE _3	
SHIP_TO_LOCATION_TOWN_ OR_CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
SHIP_TO_LOCATION_COUNTY	HR_ LOCATIONS	REGION_1	
SHIP_TO_LOCATION_STATE	HR_ LOCATIONS	REGION_2	
SHIP_TO_LOCATION_REGION _3	HR_ LOCATIONS	REGION_3	
SHIP_TO_LOCATION_POSTAL_ CODE	HR_ LOCATIONS	POSTAL_CODE	
SHIP_TO_LOCATION_ COUNTRY	HR_ LOCATIONS	COUNTRY	
BILL_TO_LOCATION_ADD_ LINE_1	HR_ LOCATIONS	ADDRESS_LINE _1	Address where the bill will be sent. Derives the BILL_TO_LOCATION_ID.
BILL_TO_LOCATION_ADD_ LINE_2	HR_ LOCATIONS	ADDRESS_LINE _2	

Field Name	Oracle Applications Table/View Name	Column Name	Description
BILL_TO_LOCATION_ADD_LINE_3	HR_LOCATIONS	ADDRESS_LINE_3	
BILL_TO_LOCATION_TOWN_OR_CITY	HR_LOCATIONS	TOWN_OR_CITY	
BILL_TO_LOCATION_COUNTY	HR_LOCATIONS	REGION_1	
BILL_TO_LOCATION_STATE	HR_LOCATIONS	REGION_2	
BILL_TO_LOCATION_REGION_3	HR_LOCATIONS	REGION_3	
BILL_TO_LOCATION_POSTAL_CODE	HR_LOCATIONS	POSTAL_CODE	
BILL_TO_LOCATION_COUNTRY	HR_LOCATIONS	COUNTRY	
AGENT_NAME	PER_ALL_PEOPLE_F	NAME	Buyer's name.
COMMENTS	PO_HEADERS_ALL	COMMENTS	Comments about the RFQ.
QUOTE_VENDOR_QUOTE_NUMBER	VENDOR_DOC_NUM	QUOTE_VENDOR_QUOTE_NUMBER	Supplier document number.
FROM_TYPE_LOOKUP_CODE	PO_HEADERS_ALL	FROM_TYPE_LOOKUP_CODE	
FROM_RFQ_NUMBER	PO_HEADERS_ALL	SEGMENT1	
RFQ_CLOSE_DATE	PO_HEADERS_ALL	RFQ_CLOSE_DATE	
REPLY_VIA	PO_HEADERS_ALL	REPLY_METHOD_LOOKUP_CODE	Method the supplier should use to reply to the RFQ.
REPLY_DATE	PO_HEADERS_ALL	REPLY_DATE	Due date of reply for the RFQ.
START_DATE	PO_HEADERS_ALL	START_DATE	Effective date for the RFQ.

Field Name	Oracle Applications Table/View Name	Column Name	Description
END_DATE	PO_HEADERS_ALL	END_DATE	Expiration date for the RFQ.
APPROVAL_REQUIRED_FLAG	PO_HEADERS_ALL	APPROVAL_REQUIRED_FLAG	Indicates whether approval is required for the RFQ.
CURRENCY_CODE	PO_HEADERS_ALL	CURRENCY_CODE	Currency code for the RFQ.
USER_CONVERSION_TYPE	PO_HEADERS_ALL	USER_CONVERSION_TYPE	Conversion type used.
RATE_TYPE	PO_HEADERS_ALL	RATE_TYPE	Currency conversion rate type.
RATE_DATE	PO_HEADERS_ALL	RATE_DATE	Currency conversion rate date.
RATE	PO_HEADERS_ALL	RATE	Currency conversion rate.
TERMS_NAME	AP_TERMS	NAME	Payment terms for the RFQ.
FREIGHT_TERMS	PO_HEADERS_ALL	FREIGHT_TERMS	Freight payment terms.
SHIP_VIA_LOOKUP_CODE	PO_HEADERS_ALL	SHIP_VIA_LOOKUP_CODE	Code indicating the shipping medium, such as UPS or FEDEX.
FOB	PO_HEADERS_ALL	FOB	Type of Free On Board terms for the document.
NOTE_TO_VENDOR	PO_HEADERS_ALL	NOTE_TO_VENDOR	
QUOTE_WARNING_DELAY	PO_HEADERS_ALL	QUOTE_WARNING_DELAY	Number of days before the expiration of the quotation.
QUOTATION_CLASS_CODE	PO_HEADERS_ALL	QUOTATION_CLASS_CODE	
REVISED_DATE	PO_HEADERS_ALL	REVISED_DATE	Date the document was last revised.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CLOSED_DATE	PO_HEADERS_ALL	CLOSED_DATE	Date when the document was closed.
QUOTE_TYPE_LOOKUP_CODE	PO_HEADERS_ALL	QUOTE_TYPE_LOOKUP_CODE	

1.1. RFQ_LINES

Field Name	Oracle Applications Table/View Name	Column Name	Description
PO_LINE_ID	PO_LINES_ALL	PO_LINE_ID	Required for outbound transactions. Unique identifier for RFQ line.
LINE_NUM	PO_LINES_ALL	LINE_NUM	Line number.
LINE_TYPE	PO_LINES_ALL	LINE_TYPE	
ITEM_NUMBER	MTL_SYSTEM_ITEMS	SEGMENT1	
ITEM_REVISION	PO_LINES_ALL	ITEM_REVISION	
ITEM_CATEGORY	MTL_CATEGORIES_KFV	CONCATENATED_SEGMENTS	
ITEM_DESCRIPTION	PO_LINES_ALL	ITEM_DESCRIPTION	
UNIT_MEAS_LOOKUP_CODE	PO_LINES_ALL	UNIT_MEAS_LOOKUP_CODE	Unit of measurement for the items.
UOM_CLASS	MTL_UNITS_OF_MEASURE_TL	UOM_CLASS	Unit of measurement class.
UNIT_PRICE	PO_LINES_ALL	UNIT_PRICE	
VENDOR_PRODUCT_NUM	PO_LINES_ALL	VENDOR_PRODUCT_NUM	Supplier's item number ordered.
UN_NUMBER	PO_LINES_ALL	UN_NUMBER	
HAZARD_CLASS	PO_LINES_ALL	HAZARD_CLASS	
MIN_ORDER_QUANTITY	PO_UN_NUMBERS	MIN_ORDER_QUANTITY	Minimum order quantity for the RFQ.

Field Name	Oracle Applications Table/View Name	Column Name	Description
MAX_ORDER_QUANTITY	PO_HAZARD_ CLASSES	MAX_ORDER_ QUANTITY	Maximum order quantity for the RFQ.
NOTE_TO_VENDOR	PO_LINES_ALL	NOTE_TO_ VENDOR	Note to the supplier.
FROM_RFQ_NUMBER	PO_LINES_ALL	FROM_RFQ_ NUMBER	
FROM_LINE_NUMBER	PO_LINES_ALL	FROM_LINE_ NUMBER	
TAXABLE_FLAG	PO_LINES_ALL	TAXABLE_ FLAG	
QUANTITY	PO_LINES_ALL	QUANTITY	
ALLOW_ITEM_DESC_UPDATE_ FLAG	MTL_ CATEGORIES_ KFV	ALLOW_ITEM_ DESC_UPDATE_ FLAG	Indicates whether item description update is allowed.
ALLOWED_UNITS_LOOKUP_ CODE	MTL_ CATEGORIES_ KFV	ALLOWED_ UNITS_ LOOKUP_CODE	Code for allowed units of the items in the RFQ.
ORDER_TYPE_LOOKUP_CODE	PO_LINE_TYPES	ORDER_TYPE_ LOOKUP_CODE	
OUTSIDE_OPERATION_FLAG	PO_LINE_TYPES	OUTSIDE_ OPERATION_ FLAG	
PROJECT_NAME	PA_PROJECTS_ ALL	PROJECT_ NAME	
TASK_NAME	PA_TASKS	TASK_NAME	
QC_GRADE	PO_LINES_ALL	QC_GRADE	
BASE_UOM	PO_LINES_ALL	BASE_UOM	Base unit of measurement.
BASE_QTY	PO_LINES_ALL	BASE_QTY	Base quantity.
SECONDARY_UOM	PO_LINES_ALL	SECONDARY_ UOM	Stores the dual unit of measure for the item ordered.
SECONDARY_QTY	PO_LINES_ALL	SECONDARY_ QTY	Converted quantity from BASE unit of measurement to DUAL unit of measurement for the item ordered.

1.1.1. RFQ_PRICE_BREAKS

Field Name	Oracle Applications Table/View Name	Column Name	Description
SHIPMENT_TYPE	PO_LINE_ LOCATIONS_ ALL	SHIPMENT_ TYPE	RFQ shipment type.
SHIP_TO_ORG_NAME	ORG_ORGANIZ ATION_ DEFINITIONS	ORGANIZATIO N_NAME	Organization that will receive the shipped items.
QUANTITY	PO_LINE_ LOCATIONS_ ALL	QUANTITY	
QUANTITY_ACCEPTED	PO_LINE_ LOCATIONS_ ALL	QUANTITY_ ACCEPTED	
QUANTITY_BILLED	PO_LINE_ LOCATIONS_ ALL	QUANTITY_ BILLED	
QUANTITY_CANCELLED	PO_LINE_ LOCATIONS_ ALL	QUANTITY_ CANCELLED	
QUANTITY_RECEIVED	PO_LINE_ LOCATIONS_ ALL	QUANTITY_ RECEIVED	
QUANTITY_REJECTED	PO_LINE_ LOCATIONS_ ALL	QUANTITY_ REJECTED	
UOM	PO_LINE_ LOCATIONS_ ALL	UOM	Unit of measurement.
PRICE_OVERRIDE	PO_LINE_ LOCATIONS_ ALL	PRICE_ OVERRIDE	
UNIT_PRICE	PO_LINES_ALL	UNIT_PRICE	Unit price of the item in RFQ.
NOT_TO_EXCEED_PRICE	PO_LINES_ALL	NOT_TO_ EXCEED_PRICE	Maximum price of the item.
ALLOW_PRICE_OVERRIDE_ FLAG	PO_LINES_ALL	ALLOW_PRICE_ OVERRIDE_ FLAG	Indicates whether price override is allowed.

Field Name	Oracle Applications Table/View Name	Column Name	Description
PRICE_BREAK_LOOKUP_CODE	PO_LINES_ALL	PRICE_BREAK_ LOOKUP_CODE	
PRICE	PO_LINE_ LOCATIONS_ ALL	PRICE	Price of the item in the RFQ.
LAST_ACCEPT_DATE	PO_LINE_ LOCATIONS_ ALL	LAST_ACCEPT_ DATE	Date when the item can be last accepted.
NEED_BY_DATE	PO_LINE_ LOCATIONS_ ALL	NEED_BY_ DATE	Date by which the item in the RFQ needs to be shipped.
PROMISED_DATE	PO_LINE_ LOCATIONS_ ALL	PROMISED_ DATE	Date promised by the supplier when the item would be delivered.
FIRM_STATUS_LOOKUP_CODE	PO_LINE_ LOCATIONS_ ALL	FIRM_STATUS_ LOOKUP_CODE	Firming status of the line.
PRICE_DISCOUNT	PO_LINE_ LOCATIONS_ ALL	PRICE_ DISCOUNT	Discount percentage for price break.
START_DATE	PO_LINE_ LOCATIONS_ ALL	START_DATE	Effective date.
END_DATE	PO_LINE_ LOCATIONS_ ALL	END_DATE	Expiration date.
LEAD_TIME	PO_LINE_ LOCATIONS_ ALL	LEAD_TIME	Lead time for the price break.
LEAD_TIME_UNIT	PO_LINE_ LOCATIONS_ ALL	LEAD_TIME_ UNIT	
TERMS_NAME	AP_TERMS	NAME	
FREIGHT_TERMS_LOOKUP_ CODE	PO_LINE_ LOCATIONS_ ALL	FREIGHT_ TERMS_ LOOKUP_CODE	Lookup code for freight terms.

Field Name	Oracle Applications Table/View Name	Column Name	Description
FOB_LOOKUP_CODE	PO_LINE_ LOCATIONS_ ALL	FOB_LOOKUP_ CODE	Free on Board lookup code.
SHIP_VIA_LOOKUP_CODE	PO_LINE_ LOCATIONS_ ALL	SHIP_VIA_ LOOKUP_CODE	Type of carrier for the RFQ or quotation shipment.
TAX_NAME	AP_TAX_CODES _ALL	NAME	
TAXABLE_FLAG	PO_LINE_ LOCATIONS_ ALL	TAXABLE_ FLAG	Indicates whether the price break is taxable.
INSPECTION_REQUIRED_ FLAG	PO_LINE_ LOCATIONS_ ALL	INSPECTION_ REQUIRED_ FLAG	Indicates whether shipment must be inspected before the invoice is paid.
RECEIPT_REQUIRED_FLAG	PO_LINE_ LOCATIONS_ ALL	RECEIPT_ REQUIRED_ FLAG	Indicates whether shipment must be received before the invoice is paid.
RECEIVE_CLOSE_TOLERANCE	PO_LINE_ LOCATIONS_ ALL	RECEIVE_ CLOSE_ TOLERANCE	Percentage tolerance within which the shipment is automatically closed for receiving.
INVOICE_CLOSE_TOLERANCE	PO_LINE_ LOCATIONS_ ALL	INVOICE_ CLOSE_ TOLERANCE	Percentage tolerance within which the shipment is automatically closed for invoicing when billed.
QTY_RCV_EXCEPTION_CODE	PO_LINE_ LOCATIONS_ ALL	QTY_RCV_ EXCEPTION_ CODE	Describes the action taken when the quantity received tolerance is exceeded.
DAYS_EARLY_RECEIPT_ ALLOWED	PO_LINE_ LOCATIONS_ ALL	DAYS_EARLY_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received early.
DAYS_LATE_RECEIPT_ ALLOWED	PO_LINE_ LOCATIONS_ ALL	DAYS_LATE_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received late.
QTY_RCV_TOLERANCE	PO_LINE_ LOCATIONS_ ALL	QTY_RCV_ TOLERANCE	Maximum over–receipt tolerance percentage.

Field Name	Oracle Applications Table/View Name	Column Name	Description
ROUTING_NAME	RCV_ROUTING _HEADERS	NAME	
ENFORCE_SHIP_TO_ LOCATION_CODE	PO_LINE_ LOCATIONS_ ALL	ENFORCE_SHIP _TO_LOCATION _CODE	Describes the action taken when the receiving location differs from the Ship To location.
RECEIPT_DAYS_EXCEPTION_ CODE	PO_LINE_ LOCATIONS_ ALL	RECEIPT_DAYS_ EXCEPTION_ CODE	Describes what action is taken when items are received earlier or later than the allowed number of days specified.
ACCRUE_ON_RECEIPT_FLAG	PO_LINE_ LOCATIONS_ ALL	ACCRUE_ON_ RECEIPT_FLAG	Indicates whether items are accrued upon receipt.
ALLOW_SUBSTITUTE_ RECEIPTS_FLAG	PO_LINE_ LOCATIONS_ ALL	ALLOW_ SUBSTITUTE_ RECEIPTS_ FLAG	Indicates whether substitute items can be received in place of the ordered items.
FROM_PO_HEADER_NUM	PO_HEADERS_ ALL	SEGMENT1	Unique identifier of the RFQ to automatically create the quotation.
FROM_PO_LINE_NUM	PO_LINES_ALL	LINE_NUM	Unique identifier of the RFQ line used to automatically create the quotation line.
ENCUMBERED_FLAG	PO_LINE_ LOCATIONS_ ALL	ENCUMBERED_ FLAG	Indicates whether the shipment is encumbered.
ENCUMBERED_DATE	PO_LINE_ LOCATIONS_ ALL	ENCUMBERED_ DATE	Date of encumbrance for the shipment.
APPROVED_FLAG	PO_LINE_ LOCATIONS_ ALL	APPROVED_ FLAG	Indicates whether the shipment is approved.
CLOSED_CODE	PO_LINE_ LOCATIONS_ ALL	CLOSED_CODE	Closure status of the shipment.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CANCEL_FLAG	PO_LINE_ LOCATIONS_ ALL	CANCEL_FLAG	Indicates whether the shipment is cancelled.
CANCEL_DATE	PO_LINE_ LOCATIONS_ ALL	CANCEL_DATE	
CANCEL_REASON	PO_LINE_ LOCATIONS_ ALL	CANCEL_ REASON	Cancellation reason provided by the employee.
CLOSED_BY_PERSON_NAME	PER_ALL_ PEOPLE_F	LAST_NAME. FIRST_NAME	Employee who closed the shipment.
CLOSED_DATE	PO_LINE_ LOCATIONS_ ALL	CLOSED_DATE	Date the shipment closed.
CLOSED_REASON	PO_LINE_ LOCATIONS_ ALL	CLOSED_ REASON	Why the shipment closed.
USSGL_TRANSACTION_CODE	PO_LINE_ LOCATIONS_ ALL	USSGL_ TRANSACTION _CODE	United States standard general ledger transaction code.
GOVERNMENT_CONTEXT	PO_LINE_ LOCATIONS_ ALL	GOVERNMENT _CONTEXT	United States standard general ledger descriptive flexfield context column.
LINE_TYPE	PO_LINE_TYPES	LINE_TYPE	Document line type.
OUTSIDE_OPERATION_FLAG	PO_LINE_TYPES	OUTSIDE_ OPERATION_ FLAG	Indicates whether the line type is an outside operation.
RECEIVING_FLAG	PO_LINE_TYPES	RECEIVING_ FLAG	Default receipt required flag.
ITEM_NUMBER	MTL_SYSTEM_ ITEMS	SEGMENT1	
ITEM_DESCRIPTION	PO_LINE_ LOCATIONS_ ALL	ITEM_ DESCRIPTION	
ITEM_REVISION	PO_LINE_ LOCATIONS_ ALL	ITEM_ REVISION	

Field Name	Oracle Applications Table/View Name	Column Name	Description
PLANNING_CODE	MTL_SYSTEM_ITEMS	MRP_PLANNING_CODE / INVENTORY_PLANNING_CODE	
STOCK_ENABLED_FLAG	MTL_SYSTEM_ITEMS	STOCK_ENABLED_FLAG	Indicates whether the item is in stock.
OUTSIDE_OPERATION_UOM_TYPE	MTL_SYSTEM_ITEMS	OUTSIDE_OPERATION_UOM_TYPE	Outside operation unit of measurement.
CATEGORY_NAME	MTL_CATEGORIES_KFV	CONCATENATED_SEGMENTS	Item category name.
VENDOR_PRODUCT_NUM	PO_LINES_ALL	VENDOR_PRODUCT_NUM	Supplier product number.
COUNTRY_OF_ORIGIN_CODE	PO_LINE_LOCATIONS_ALL	COUNTRY_OF_ORIGIN_CODE	Country of manufacture for this shipment.
TAX_USER_OVERRIDE_FLAG	PO_LINE_LOCATIONS_ALL	TAX_USER_OVERRIDE_FLAG	Indicates whether someone overrode the default tax.
MATCH_OPTION	PO_LINE_LOCATIONS_ALL	MATCH_OPTION	Indicates whether the invoice for the shipment should be matched to the purchase order or the receipt.
CALCULATE_TAX_FLAG	PO_LINE_LOCATIONS_ALL	CALCULATE_TAX_FLAG	Indicates whether tax needs to be calculated.
NOTE_TO_RECEIVER	PO_LINE_LOCATIONS_ALL	NOTE_TO_RECEIVER	
SECONDARY_UNIT_OF_MEASURE	PO_LINES_ALL	SECONDARY_UNIT_OF_MEASURE	Stores the dual unit of measure for the item ordered.

Field Name	Oracle Applications Table/View Name	Column Name	Description
SECONDARY_QUANTITY	PO_LINE_ LOCATIONS_ ALL	SECONDARY_ QUANTITY	Stores the dual quantity for the item ordered.
PREFERRED_GRADE	PO_LINE_ LOCATIONS_ ALL	PREFERRED_ GRADE	Preferred grade of the item ordered.
SECONDARY_QUANTITY_ RECEIVED	PO_LINE_ LOCATIONS_ ALL	SECONDARY_ QUANTITY_ RECEIVED	Stores the dual quantity received for the item ordered.
SECONDARY_QUANTITY_ ACCEPTED	PO_LINE_ LOCATIONS_ ALL	SECONDARY_ QUANTITY_ ACCEPTED	Stores the dual quantity accepted for the item ordered.
SECONDARY_QUANTITY_ REJECTED	PO_LINE_ LOCATIONS_ ALL	SECONDARY_ QUANTITY_ REJECTED	Stores the dual quantity rejected for the item ordered.
SECONDARY_QUANTITY_ CANCELLED	PO_LINE_ LOCATIONS_ ALL	SECONDARY_ QUANTITY_ CANCELLED	Stores the dual quantity cancelled for the item ordered.

Send Supplier Service

The name of this service is:

WmOAPRC1159.purchasing1159.fromOA.supplier:sendSupplier

This service notifies and delivers supplier changes. It extracts information for a supplier only, and not for individual employees who are also set up as suppliers. Because suppliers cannot be deleted, the document status of DELETE does not apply in this case.

Database Scripts

This service uses the following database scripts:

Script	Description
wm_install_from_supplier.sql	Runs the scripts listed below, except the uninstall script.
wm_from_supplier_vw.sql	Creates the following required view components for PO outbound transactions: ■ WM_PO_SUPPLIER_VW ■ WM_PO_SUPPLIER_SITES_ALL_VW ■ WM_PO_SUPPLIER_CONTACTS_VW ■ WM_BANK_ACC_USE_SUPP_SITES_VW ■ WM_BANK_ACCOUNT_USES_SUPP_VW ■ WM_PO_SUPPLIER_QRY_VW
wm_from_supplier_trg.sql	Creates the following triggers to be used for writing to wm_trackchanges to indicate a new or updated document: ■ WM_PO_SUPPLIER_IU_TRG ■ WM_PO_SUPP_SITES_ALL_IU_TRG ■ WM_PO_SUPP_CONTACTS_IUD_TRG ■ WM_AP_BK_SUP_AC_USE_ALL_IU_TRG
wm_disable_from_supplier.sql	Disables the triggers installed by wm_from_supplier_trg.sql.

Script	Description
wm_enable_from_supplier.sql	Re-enables the triggers installed by wm_from_supplier_trg.sql.
wm_drop_from_supplier.sql	Uninstalls all components created by wm_install_from_supplier.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definition:

■ getSupplierTxn1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow sendSupplier executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ lockTxnCtrl service checks whether another instance of this service is already in process. If no instance is already in process, the service takes control of processing in a single atomic action.

■ Specifies SUPPLIER as the value for the P_TRANSACTION_TYPE parameter.

   ■ If lockTxnCtrl returns FALSE, that means another instance of this service is already in progress. The service exits, and waits for next scheduled execution.

   ■ If lockTxnCtrl returns TRUE, that means the service is ready to execute. The Supplier row in the control table is locked and updated to INPROCESS, which prevents other supplier services from executing. The $dbAlias, status (TRUE or FALSE), and message are retained at this step.

■ getSupplierTxn service queries the Oracle Applications database for any supplier transaction to be processed. The number of records returned depends on the parameter value specified in the above map.

■ processBizDoc is the customizable step that sends the business document to the trading partner by looping against each document. You must customize this step to receive a SUCCESS or an ERROR status of the document transfer along with the error information. The transfer status and any error information are logged against each document.

- Loops against each document. Based on the Debug Mode specified during execution, it either purges or updates the records in the WM_TRACKCHANGES custom table.

  - If the Debug Mode is TRUE, the records in WM_TRACKCHANGES table are updated, and the PROCESSED_FLAG is set to Y. This ensures that the same sets of records are not picked up during the next polling interval. The updateTrackChanges service updates the PROCESSED_FLAG in the WM_TRACKCHANGES table to Y, and updates Processed_Date to sysdate so that same information is not picked up again during the next polling instance.

  - If the Debug Mode is FALSE, the records in the WM_TRACKCHANGES table are deleted. The purgeTrackChanges Service purges the records from the WM_TRACKCHANGES table.

- Loops against each document. Based on the transfer status, the insertTransferERRInfo service inserts a new record in the WM_TRACKCHANGES table so that same document can be picked up during the next polling interval.

- unlockTxnCtrl service releases the lock on the Custom Control table so that next polling instance of sendSupplier service can begin.

- getLastError service logs any errors so that the next polling instance of sendVendor service can begin..

For more details on send transactions, see .

Business Document Structure

This service uses the following business document structure:

- 1.0. SUPPLIER

  - 1.1. BANK_ACCOUNTS

  - 1.2. SUPPLIER_SITES

    - 1.2.1. SITE_BANK_ACCOUNTS

    - 1.2.2. SUPPLIER_CONTACTS

1.0. SUPPLIER

Field Name	Oracle Applications Table/View Name	Column Name	Description
WEB_TRANSACTION_ID			Populated from a sequence and used internally in the IS flow. Will contain NULL value for queried supplier data.
DOCUMENT_TYPE			Use SUPPLIER.
DOCUMENT_STATUS			Use INSERT, UPDATE, or QUERY.
VENDOR_ID	PO_VENDORS	VENDOR_ID	Unique supplier identifier in Oracle Applications.
VENDOR_NUMBER	PO_VENDORS	SEGMENT1	Supplier number.
VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Name of the supplier.
ALTERNATE_VENDOR_NAME	PO_VENDORS	VENDOR_ NAME_ALT	Alternate name for the supplier.
VENDOR_TYPE	PO_VENDORS	VENDOR_TYPE _LOOKUP_ CODE	
CUSTOMER_NUMBER	PO_VENDORS	CUSTOMER_ NUM	Customer number as set up on supplier's system.
ONE_TIME_FLAG	PO_VENDORS	ONE_TIME_ FLAG	Indicates whether supplier is one time.
PARENT_VENDOR_NUMBER	PO_VENDORS	SEGMENT1	Parent supplier number.
PARENT_VENDOR_NAME	PO_VENDORS	VENDOR_ NAME	Parent supplier name.
MINIMUM_ORDER_AMOUNT	PO_VENDORS	MIN_ORDER_ AMOUNT	Minimum order amount to order goods from the supplier.
BILL_LOC_ADDRESS_LINE1	HR_ LOCATIONS	ADDRESS_LINE _1	REGION1 is the County, REGION2 is the State Code, BILL_LOC is the Billing Location, and SHIP_LOC is the Shipping Location.
BILL_LOC_ADDRESS_LINE2	HR_ LOCATIONS	ADDRESS_LINE _2	

Field Name	Oracle Applications Table/View Name	Column Name	Description
BILL_LOC_ADDRESS_LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
BILL_LOC_TOWN_OR_CITY	HR_LOCATIONS	TOWN_OR_CITY	
BILL_LOC_REGION2	HR_LOCATIONS	REGION_2	
BILL_LOC_POSTAL_CODE	HR_LOCATIONS	POSTAL_CODE	
BILL_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
BILL_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_LOC_ADDRESS_LINE1	HR_LOCATIONS	ADDRESS_LINE_1	
SHIP_LOC_ADDRESS_LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
SHIP_LOC_ADDRESS_LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
SHIP_LOC_TOWN_OR_CITY	HR_LOCATIONS	TOWN_OR_CITY	
SHIP_LOC_REGION2	HR_LOCATIONS	REGION_2	
SHIP_LOC_POSTAL_CODE	HR_LOCATIONS	POSTAL_CODE	
SHIP_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
SHIP_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_VIA	PO_VENDORS	SHIP_VIA_LOOKUP_CODE	Shipping code.
FREIGHT_TERMS	PO_VENDORS	FREIGHT_TERMS_LOOKUP_CODE	Freight terms code.
FOB	PO_VENDORS	FOB_LOOKUP_CODE	Free On Board code.

Field Name	Oracle Applications Table/View Name	Column Name	Description
TERMS	AP_TERMS_TL	NAME	
SET_OF_BOOKS_NAME	GL_SETS_OF_BOOKS	NAME	Set of books name as in Oracle Applications.
SET_OF_BOOKS_SHORT_NAME	GL_SETS_OF_BOOKS	SHORT_NAME	Set of books short name.
CREDIT_STATUS	PO_VENDORS	CREDIT_STATUS_LOOKUP_CODE	Credit status of the supplier.
CREDIT_LIMIT	PO_VENDORS	CREDIT_LIMIT	Credit limit.
ALWAYS_DISCOUNT_FLAG	PO_VENDORS	ALWAYS_TAKE_DISC_FLAG	
PAY_DATE_BASIS	PO_VENDORS	PAY_DATE_BASIS_LOOKUP_CODE	Type of payment date basis.
PAY_GROUP	PO_VENDORS	PAY_GROUP_LOOKUP_CODE	
PAYMENT_PRIORITY	PO_VENDORS	PAYMENT_PRIORITY	
INVOICE_CURRENCY_CODE	PO_VENDORS	INVOICE_CURRENCY_CODE	
PAYMENT_CURRENCY_CODE	PO_VENDORS	PAYMENT_CURRENCY_CODE	
INVOICE_AMOUNT_LIMIT	PO_VENDORS	INVOICE_AMOUNT_LIMIT	
EXCHANGE_DATE_CODE	PO_VENDORS	EXCHANGE_DATE_LOOKUP_CODE	
HOLD_ALL_PAYMENTS	PO_VENDORS	HOLD_ALL_PAYMENTS_FLAG	
HOLD_FUTURE_PAYMENTS	PO_VENDORS	HOLD_FUTURE_PAYMENTS_FLAG	

Field Name	Oracle Applications Table/View Name	Column Name	Description
HOLD_REASON	PO_VENDORS	HOLD_REASON	
DISTRIBUTION_SET_NAME	AP_ DISTRIBUTION_ SETS	DISTRIBUTION_ SET_NAME	
SUPPLIER_LIABILITY_ ACCOUNT	GL_CODE_ COMBINATION S_KFV	CONCATENATE D_SEGMENTS	Concatenated general ledger code combination/
NUMBER_1099	PO_VENDORS	NUM_1099	Taxpayer ID.
TYPE_1099	PO_VENDORS	TYPE_1099	Type of 1099.
WITHHOLDING_STATUS	PO_VENDORS	WITHHOLDING _STATUS_ LOOKUP_CODE	
WITHHOLDING_START_DATE	PO_VENDORS	WITHHOLDING _START_DATE	
IRS_ORGANIZATION_TYPE	PO_VENDORS	ORGANIZATIO N_TYPE_ LOOKUP_CODE	
VAT_CODE	PO_VENDORS	VAT_CODE	
START_DATE_ACTIVE	PO_VENDORS	START_DATE_ ACTIVE	Active starting date.
END_DATE_ACTIVE	PO_VENDORS	END_DATE_ ACTIVE	Active ending date.
MINORITY_GROUP	PO_VENDORS	MINORITY_ GROUP_ LOOKUP_CODE	
PAYMENT_METHOD	PO_VENDORS	PAYMENT_ METHOD_ LOOKUP_CODE	
BANK_ACCOUNT_NAME	PO_VENDORS	BANK_ ACCOUNT_ NAME	Supplier's bank account name.
BANK_ACCOUNT_NUMBER	PO_VENDORS	BANK_ ACCOUNT_ NUM	Supplier's bank account number.
BANK_NUMBER	PO_VENDORS	BANK_NUM	Supplier's bank number.

Field Name	Oracle Applications Table/View Name	Column Name	Description
BANK_ACCOUNT_TYPE	PO_VENDORS	BANK_ ACCOUNT_ TYPE	Type of bank account.
WOMEN_OWNED	PO_VENDORS	WOMEN_ OWNED_FLAG	Indicates whether the supplier is a woman–owned business.
SMALL_BUSINESS	PO_VENDORS	SMALL_ BUSINESS_ FLAG	Indicates whether the supplier is a small business.
STANDARD_INDUSTRY_CLASS	PO_VENDORS	STANDARD_ INDUSTRY_ CLASS	Standard industry classification number.
HOLD_FLAG	PO_VENDORS	HOLD_FLAG	
PURCHASING_HOLD_ REASON	PO_VENDORS	PURCHASING_ HOLD_REASON	Reason for placing the supplier on purchasing hold.
HOLD_BY_EMPLOYEE_ NUMBER	PER_ALL_ PEOPLE_F	EMPLOYEE_ NUMBER	
PER_HOLD_BY_FULL_NAME	PER_ALL_ PEOPLE_F	FULL_NAME	
HOLD_DATE	PO_VENDORS	HOLD_DATE	Date the supplier was placed on purchasing hold.
TERMS_DATE_BASIS	PO_VENDORS	TERMS_DATE_ BASIS	Type of invoice payment schedule basis.
PRICE_TOLERANCE	PO_VENDORS	PRICE_ TOLERANCE	
INSPECTION_REQUIRED	PO_VENDORS	INSPECTION_ REQUIRED_ FLAG	Indicates whether inspection is required.
RECEIPT_REQUIRED_FLAG	PO_VENDORS	RECEIPT_ REQUIRED_ FLAG	Indicates whether shipment must be received before the invoice is paid.
QUANTITY_RECEIVED_ TOLERANCE	PO_VENDORS	QTY_RCV_ TOLERANCE	Quantity received tolerance percentage.
DAYS_EARLY_RECEIPT_ ALLOWED	PO_VENDORS	DAYS_EARLY_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received early.

Field Name	Oracle Applications Table/View Name	Column Name	Description
DAYS_LATE_RECEIPT_ ALLOWED	PO_VENDORS	DAYS_LATE_ RECEIPT_ ALLOWED	Maximum acceptable number of days items can be received late.
ALLOW_SUBSTITUTE_ RECEIPTS	PO_VENDORS	ALLOW_ SUBSTITUTE_ RECEIPTS_ FLAG	Indicates whether substitute items can be received instead of the ordered items.
ALLOW_UNORDERED_ RECEIPTS	PO_VENDORS	ALLOW_ UNORDERED_ RECEIPTS_ FLAG	Indicates whether unordered receipts are allowed.
HOLD_UNMATCHED_ INVOICES	PO_VENDORS	HOLD_ UNMATCHED_ INVOICES_ FLAG	Indicates whether unmatched invoices should be put on hold.
EXCLUSIVE_PAYMENT	PO_VENDORS	EXCLUSIVE_ PAYMENT_ FLAG	
TAX_VERIFICATION_DATE	PO_VENDORS	TAX_ VERIFICATION_ DATE	
STATE_REPORTABLE	PO_VENDORS	STATE_REPORT ABLE_FLAG	
FEDERAL_REPORTABLE	PO_VENDORS	FEDERAL_ REPORTABLE_ FLAG	
OFFSET_VAT	PO_VENDORS	OFFSET_VAT_ CODE	Offset VAT Code.
VAT_REGISTRATION_NUMBER	PO_VENDORS	VAT_ REGISTRATION _NUM	
AUTO_CALCULATE_INTEREST	PO_VENDORS	AUTO_ CALCULATE_ INTEREST_ FLAG	Indicates whether interest is automatically calculated.
VALIDATION_NUMBER	PO_VENDORS	VALIDATION_ NUMBER	

Field Name	Oracle Applications Table/View Name	Column Name	Description
EXCLUDE_FREIGHT_FROM_ DISCOUNT	PO_VENDORS	EXCLUDE_ FREIGHT_ FROM_ DISCOUNT	
TAX_REPORTING_NAME	PO_VENDORS	TAX_ REPORTING_ NAME	Tax reporting method name.
CHECK_DIGITS	PO_VENDORS	CHECK_DIGITS	Check number used by the Accounts Payable department.
BANK_NUM	PO_VENDORS	BANK_NUM	Bank number for Accounts Payable department.
AUTO_TAX_CALCULATION	PO_VENDORS	AUTO_TAX_ CALC_FLAG	
AUTO_TAX_CALCULATION_ OVERRIDE	PO_VENDORS	AUTO_TAX_ CALC_ OVERRIDE	Allow calculation level override.
AMOUNT_INCLUDES_TAX	PO_VENDORS	AMOUNT_ INCLUDES_TAX _FLAG	Distribution amounts include tax.
BANK_CHARGE_BEARER	PO_VENDORS	BANK_ CHARGE_ BEARER	Indicates whether this supplier bears bank charges.
BANK_BRANCH_TYPE	PO_VENDORS	BANK_ BRANCH_TYPE	Identifies the list that contains the bank routing number. Use ABA, CHIPS, SWIFT, or OTHER.
MATCH_OPTION	PO_VENDORS	MATCH_ OPTION	Indicate whether to match invoices to the purchase order or the receipt for this supplier.
FUTURE_DATED_PAYMENTS_ ACCOUNT	GL_CODE_ COMBINATION S_KFV	CONCATENATE D_SEGMENTS	Accounting flexfield identifier for the future dated payment account.
CREATE_DEBIT_MEMO	PO_VENDORS	CREATE_ DEBIT_MEMO_ FLAG	Indicates whether a debit memo should be created.
OFFSET_FLAG	PO_VENDORS	OFFSET_TAX_ FLAG	Indicates whether the supplier uses offset taxes.

1.1. BANK_ACCOUNTS

Field Name	Oracle Applications Table/View Name	Column Name	Description
ROW_ID		ROW_ID	Unique row identifier.
VENDOR_ID	AP_BANK_ ACCOUNTS_ ALL	VENDOR_ID	Unique vendor identifier in Oracle Applications.
VENDOR_SITE_ID	AP_BANK_ ACCOUNT_ USES_ALL	VENDOR_SITE_ ID	Unique vendor site identifier.
BANK_ACCOUNT_NAME	AP_BANK_ ACCOUNTS_ ALL	BANK_ ACCOUNT_ NAME	
BANK_ACCOUNT_NUM	AP_BANK_ ACCOUNTS_ ALL	BANK_ ACCOUNT_ NUM	Bank Account Number.
CURRENCY_CODE	AP_BANK_ ACCOUNTS_ ALL	CURRENCY_ CODE	
BANK_NAME	AP_BANK_ BRANCHES	BANK_NAME	
BANK_NUMBER	AP_BANK_ BRANCHES	BANK_ NUMBER	
BANK_BRANCH_NAME	AP_BANK_ BRANCHES	BANK_BRANC H_NAME	
BANK_NUM	AP_BANK_ BRANCHES	BANK_NUM	
END_DATE	AP_BANK_ ACCOUNTS_ USES_ALL	END_DATE	
START_DATE	AP_BANK_ ACCOUNTS_ USES_ALL	START_DATE	
PRIMARY	AP_BANK_ ACCOUNT_ USES_ALL	PRIMARY_ FLAG	Indicates primary bank account.

Field Name	Oracle Applications Table/View Name	Column Name	Description
ORG_ID	AP_BANK_ACCOUNT_USES_ALL	ORG_ID	Organization identifier.
ORGANIZATION_CODE	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_CODE	Organization code to identify the organization.
ORGANIZATION_NAME	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_NAME	Name of the organization.

1.2. SUPPLIER_SITES

Field Name	Oracle Applications Table/View Name	Column Name	Description
VENDOR_ID	PO_VENDOR_SITES_ALL	VENDOR_ID	Unique vendor identifier in Oracle Applications.
VENDOR_SITE_ID	PO_VENDOR_SITES_ALL	VENDOR_SITE_ID	Unique supplier site unique identifier.
VENDOR_SITE_CODE	PO_VENDOR_SITES_ALL	VENDOR_SITE_CODE	Supplier site name.
PURCHASING_SITE	PO_VENDOR_SITES_ALL	PURCHASING_SITE_FLAG	Indicates whether you can purchase from this site.
RFQ_ONLY_SITE	PO_VENDOR_SITES_ALL	RFQ_ONLY_SITE_FLAG	Indicates whether you can only send RFQs to this site.
PAY_SITE	PO_VENDOR_SITES_ALL	PAY_SITE_FLAG	Indicates whether you can send payments to this site.
ATTENTION_AR	PO_VENDOR_SITES_ALL	ATTENTION_AR_FLAG	Indicates whether the payments should be sent to the Account Receivables department.
ADDRESS_LINE1	PO_VENDOR_SITES_ALL	ADDRESS_LINE1	Supplier site address line 1.
ADDRESS_LINE2	PO_VENDOR_SITES_ALL	ADDRESS_LINE2	Supplier site address line 2.
ADDRESS_LINE3	PO_VENDOR_SITES_ALL	ADDRESS_LINE3	Supplier site address line 3.

Field Name	Oracle Applications Table/View Name	Column Name	Description
CITY	PO_VENDOR_ SITES_ALL	CITY	
STATE	PO_VENDOR_ SITES_ALL	STATE	
ZIP	PO_VENDOR_ SITES_ALL	ZIP	
PROVINCE	PO_VENDOR_ SITES_ALL	PROVINCE	
COUNTRY	PO_VENDOR_ SITES_ALL	COUNTRY	
AREA_CODE	PO_VENDOR_ SITES_ALL	AREA_CODE	
PHONE	PO_VENDOR_ SITES_ALL	PHONE	
CUSTOMER_NUMBER	PO_VENDOR_ SITES_ALL	CUSTOMER_ NUMBER	Customer number with the supplier.
BILL_TO_LOCATION_CODE	HR_ LOCATIONS	LOCATION_ CODE	REGION1 is the County, REGION2 is the State Code, BILL_LOC is the Billing Location, and SHIP_LOC is the Shipping Location.
BILL_LOC_ADDRESS_LINE1	HR_ LOCATIONS	ADDRESS_LINE _1	
BILL_LOC_ADDRESS_LINE2	HR_ LOCATIONS	ADDRESS_LINE _2	
BILL_LOC_ADDRESS_LINE3	HR_ LOCATIONS	ADDRESS_LINE _3	
BILL_LOC_TOWN_OR_CITY	HR_ LOCATIONS	TOWN_OR_ CITY	
BILL_LOC_REGION2	HR_ LOCATIONS	REGION_2	
BILL_LOC_POSTAL_CODE	HR_ LOCATIONS	POSTAL_CODE	
BILL_LOC_COUNTRY	HR_ LOCATIONS	COUNTRY	

Field Name	Oracle Applications Table/View Name	Column Name	Description
BILL_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_TO_LOCATION_CODE	HR_LOCATIONS	LOCATION_CODE	
SHIP_LOC_ADDRESS_LINE1	HR_LOCATIONS	ADDRESS_LINE_1	
SHIP_LOC_ADDRESS_LINE2	HR_LOCATIONS	ADDRESS_LINE_2	
SHIP_LOC_ADDRESS_LINE3	HR_LOCATIONS	ADDRESS_LINE_3	
SHIP_LOC_TOWN_OR_CITY	HR_LOCATIONS	TOWN_OR_CITY	
SHIP_LOC_REGION2	HR_LOCATIONS	REGION_2	
SHIP_LOC_POSTAL_CODE	HR_LOCATIONS	POSTAL_CODE	
SHIP_LOC_COUNTRY	HR_LOCATIONS	COUNTRY	
SHIP_LOC_REGION1	HR_LOCATIONS	REGION_1	
SHIP_VIA	PO_VENDOR_SITES_ALL	SHIP_VIA_LOOKUP_CODE	Shipping code.
FREIGHT_TERMS	PO_VENDOR_SITES_ALL	FREIGHT_TERMS_LOOKUP_CODE	Freight terms code.
FOB	PO_VENDOR_SITES_ALL	FOB_LOOKUP_CODE	Default Free on Board Type.
INACTIVE_DATE	PO_VENDOR_SITES_ALL	INACTIVE_DATE	Inactive date for the record.
FAX	PO_VENDOR_SITES_ALL	FAX	
FAX_AREA_CODE	PO_VENDOR_SITES_ALL	FAX_AREA_CODE	
TELEX	PO_VENDOR_SITES_ALL	TELEX	

Field Name	Oracle Applications Table/View Name	Column Name	Description
PAYMENT_METHOD	PO_VENDOR_SITES_ALL	PAYMENT_METHOD_LOOKUP_CODE	
BANK_ACCOUNT_NAME	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_NAME	Supplier's bank account name.
BANK_ACCOUNT_NUMBER	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_NUMBER	Supplier's bank account name number of the supplier bank.
BANK_NUM	PO_VENDOR_SITES_ALL	BANK_NUM	Bank branch number.
BANK_ACCOUNT_TYPE	PO_VENDOR_SITES_ALL	BANK_ACCOUNT_TYPE	Type of bank account.
TERMS_DATE_BASIS	PO_VENDOR_SITES_ALL	TERMS_DATE_BASIS	Type of payment date basis.
VAT_CODE	PO_VENDOR_SITES_ALL	VAT_CODE	
DISTRIBUTION_SET_NAME	AP_DISTRIBUTION_SETS	DISTRIBUTION_SET_NAME	
SUPPLIER_LIABILITY_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Concatenated general ledger code combination.
PREPAY_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Concatenated general ledger code combination.
PAY_GROUP	PO_VENDOR_SITES_ALL	PAY_GROUP_LOOKUP_CODE	
PAYMENT_PRIORITY	PO_VENDOR_SITES_ALL	PAYMENT_PRIORITY	
TERMS	AP_TERMS_TL	NAME	
INVOICE_AMOUNT_LIMIT	PO_VENDOR_SITES_ALL	INVOICE_AMOUNT_LIMIT	

Field Name	Oracle Applications Table/View Name	Column Name	Description
PAY_DATE_BASIS	PO_VENDOR_SITES_ALL	PAY_DATE_BASIS_LOOKUP_CODE	Type of payment date basis.
ALWAYS_DISCOUNT_FLAG	PO_VENDOR_SITES_ALL	ALWAYS_TAKE_DISC_FLAG	Indicates whether discount is applicable for the site.
INVOICE_CURRENCY_CODE	PO_VENDOR_SITES_ALL	INVOICE_CURRENCY_CODE	
PAYMENT_CURRENCY_CODE	PO_VENDOR_SITES_ALL	PAYMENT_CURRENCY_CODE	
HOLD_ALL_PAYMENTS	PO_VENDOR_SITES_ALL	HOLD_ALL_PAYMENTS_FLAG	
HOLD_FUTURE_PAYMENTS	PO_VENDOR_SITES_ALL	HOLD_FUTURE_PAYMENTS_FLAG	
HOLD_REASON	PO_VENDOR_SITES_ALL	HOLD_REASON	
HOLD_UNMATCHED_INVOICES	PO_VENDOR_SITES_ALL	HOLD_UNMATCHED_INVOICES_FLAG	Indicates whether unmatched invoices should be put on hold.
EXCLUSIVE_PAYMENT	PO_VENDOR_SITES_ALL	EXCLUSIVE_PAYMENT_FLAG	
TAX_REPORTING_SITE	PO_VENDOR_SITES_ALL	TAX_REPORTING_SITE_FLAG	
VALIDATION_NUMBER	PO_VENDOR_SITES_ALL	VALIDATION_NUMBER	
EXCLUDE_FREIGHT_FROM_DISCOUNT	PO_VENDOR_SITES_ALL	EXCLUDE_FREIGHT_FROM_DISCOUNT	
VAT_REGISTRATION_NUMBER	PO_VENDOR_SITES_ALL	VAT_REGISTRATION_NUM	

Field Name	Oracle Applications Table/View Name	Column Name	Description
OFFSET_VAT	PO_VENDOR_SITES_ALL	OFFSET_VAT_CODE	Offset VAT Code.
ORGANIZATION_NAME	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_NAME	Name of organization corresponding to the operating unit.
ORGANIZATION_CODE	ORG_ORGANIZATION_DEFINITIONS	ORGANIZATION_CODE	Organization code for operating unit.
CHECK_DIGITS	PO_VENDOR_SITES_ALL	CHECK_DIGITS	Check number used by Accounts Payable department.
BANK_NUMBER	PO_VENDOR_SITES_ALL	BANK_NUM	Supplier's bank number.
ADDRESS_LINE4	PO_VENDOR_SITES_ALL	ADDRESS_LINE4	
COUNTY	PO_VENDOR_SITES_ALL	COUNTY	
ADDRESS_STYLE	PO_VENDOR_SITES_ALL	ADDRESS_STYLE	
ALLOW_AWT	PO_VENDOR_SITES_ALL	ALLOW_AWT_FLAG	Allow withholding tax.
WITHOLDING_TAX_GROUP	AP_AWT_GROUPS	NAME	Withholding tax group name.
ALTERNATE_VENDOR_SITE_CODE	PO_VENDOR_SITES_ALL	VENDOR_SITE_CODE_ALT	
ALTERNATE_ADDRESS_LINE	PO_VENDOR_SITES_ALL	ADDRESS_LINES_ALT	
AP_TAX_ROUNDING_RULE	PO_VENDOR_SITES_ALL	AP_TAX_ROUNDING_RULE	
AUTO_TAX_CALCULATION	PO_VENDOR_SITES_ALL	AUTO_TAX_CALC_FLAG	
AUTO_TAX_CALCULATION_OVERRIDE	PO_VENDOR_SITES_ALL	AUTO_TAX_CALC_OVERRIDE	

Field Name	Oracle Applications Table/View Name	Column Name	Description
AMOUNT_INCLUDES_TAX	PO_VENDOR_SITES_ALL	AMOUNT_INCLUDES_TAX_FLAG	
BANK_CHARGE_BEARER	PO_VENDOR_SITES_ALL	BANK_CHARGE_BEARER	Indicator of whether the supplier bears bank charges.
BANK_BRANCH_TYPE	PO_VENDOR_SITES_ALL	BANK_BRANCH_TYPE	Identifies the list that contains the bank routing number. Use ABA, CHIPS, SWIFT, or OTHER.
PAY_ON_CODE	PO_VENDOR_SITES_ALL	PAY_ON_CODE	
PAY_ON_RECEIPT_SUMMARY_CODE	PO_VENDOR_SITES_ALL	PAY_ON_RECEIPT_SUMMARY_CODE	Identifies how to consolidate receipts to create invoices.
PCARD_SITE	PO_VENDOR_SITES_ALL	PCARD_SITE_FLAG	Indicates whether the site allows use of PCard.
MATCH_OPTION	PO_VENDOR_SITES_ALL	MATCH_OPTION	Indicates whether the invoice should be matched to the purchase order or the receipt.
COUNTRY_OF_ORIGIN	PO_VENDOR_SITES_ALL	COUNTRY_OF_ORIGIN_CODE	Manufacturer's country code.
FUTURE_DATED_PAYMENT_ACCOUNT	GL_CODE_COMBINATIONS_KFV	CONCATENATED_SEGMENTS	Accounting flexfield for future dated payment.
CREATE_DEBIT_MEMO	PO_VENDOR_SITES_ALL	CREATE_DEBIT_MEMO_FLAG	Indicates whether the debit memo should be created.
OFFSET_TAX	PO_VENDOR_SITES_ALL	OFFSET_TAX_FLAG	Indicates whether the offset tax should be used.

1.2.1. SITE_BANK_ACCOUNTS

Field Name	Oracle Applications Table/View Name	Column Name	Description
ROW_ID			Unique row identifier.
VENDOR_ID	AP_BANK_ ACCOUNTS_ ALL	VENDOR_ID	Unique vendor identifier in Oracle Applications.
VENDOR_SITE_ID	AP_BANK_ ACCOUNT_ USES_ALL	VENDOR_SITE_ ID	Vendor site unique identifier.
BANK_ACCOUNT_NAME	AP_BANK_ ACCOUNTS_ ALL	BANK_ ACCOUNT_ NAME	
BANK_ACCOUNT_NUM	AP_BANK_ ACCOUNTS_ ALL	BANK_ ACCOUNT_ NUM	Bank account number.
CURRENCY_CODE	AP_BANK_ ACCOUNTS_ ALL	CURRENCY_ CODE	
BANK_NAME	AP_BANK_ BRANCHES	BANK_NAME	
BANK_NUMBER	AP_BANK_ BRANCHES	BANK_ NUMBER	
BANK_BRANCH_NAME	AP_BANK_ BRANCHES	BANK_ BRANCH_ NAME	
BANK_NUM	AP_BANK_ BRANCHES	BANK_NUM	
END_DATE	AP_BANK_ ACCOUNT_ USES_ALL	START_DATE	
START_DATE	AP_BANK_ ACCOUNT_ USES_ALL	END_DATE	
PRIMARY	AP_BANK_ ACCOUNT_ USES_ALL	PRIMARY_ FLAG	Indicates primary bank account.

Field Name	Oracle Applications Table/View Name	Column Name	Description
ORG_ID	AP_BANK_ ACCOUNT_ USES_ALL	ORG_ID	Organization identifier.
ORGANIZATION_CODE	ORG_ORGANIZ ATION_ DEFINITIONS	ORGANIZATIO N_CODE	
ORGANIZATION_NAME	ORG_ORGANIZ ATION_ DEFINITIONS	ORGANIZATIO N_NAME	

1.2.2. SUPPLIER_CONTACTS

Field Name	Oracle Applications Table/View Name	Column Name	Description
VENDOR_SITE_ID	PO_VENDOR_ CONTACTS	VENDOR_SITE_ ID	Unique vendor site identifier.
INACTIVE_DATE	PO_VENDOR_ CONTACTS	INACTIVE_ DATE	Date from which the contact is inactive.
FIRST_NAME	PO_VENDOR_ CONTACTS	FIRST_NAME	
MIDDLE_NAME	PO_VENDOR_ CONTACTS	MIDDLE_NAME	
LAST_NAME	PO_VENDOR_ CONTACTS	LAST_NAME	
PREFIX	PO_VENDOR_ CONTACTS	PREFIX	
TITLE	PO_VENDOR_ CONTACTS	TITLE	
MAIL_STOP	PO_VENDOR_ CONTACTS	MAIL_STOP	
AREA_CODE	PO_VENDOR_ CONTACTS	AREA_CODE	Contact's area code.
PHONE	PO_VENDOR_ CONTACTS	PHONE	Contact's phone number.
ALTERNATE_CONTACT_ NAME	PO_VENDOR_ CONTACTS	CONTACT_ NAME_ALT	Contact's alternate name.

webMethods.

Project Predefined Transaction Services

Overview

This chapter describes the predefined transaction services provided in the Oracle Applications Adapter's 11.5.9 Project package.

The table below shows the predefined transaction services organized by Oracle Applications module. This chapter presents the transactions in alphabetical order.

Oracle Applications Module	Predefined Transactions
Project Accounting	■ "Receive Labor Service" on page 654

For more information about using the predefined transaction services, see Chapter 1, "Predefined Transaction Services" on page 21.

Receive Labor Service

The name of this service is:

WmOAPRJ1159.projectAccounting1159.intoOA.labor:receiveLabor

This service imports expenditures from external cost collection systems, which have the following expenditure type classes:

■ Straight Time (Labor Hours)

■ Expense Reports

■ Usages

■ Inventory

■ Work in Progress

■ Miscellaneous

■ Supplier Invoices

You can load items as costed (that only have a quantity) or uncosted (that have a quantity and raw cost). You can also load them as unaccounted (when General Ledger accounts are undetermined) or accounted (when costs will not be transferred to the General Ledger).

Database Scripts

This service uses the following database scripts:

Database Script	Description
wm_install_into_labor.sql	Runs all the scripts listed below, except the uninstall script.
wm_into_labor_pkg.sql	Installs WM_LABOR_IMP_HANDLER_PKG. WM_HANDLE_LABORTXN, which calls the WM_CONC_REQUEST.WM_REQUEST_SUBMIT to submit the labor import process. The process in the Project Accounting module is PRC: Transaction Import.
wm_into_labor_seq.sql	Installs WM_PA_GROUP_S sequence which generates BATCH_ID.
wm_drop_into_labor.sql	Uninstalls all components created by wm_install_into_labor.sql.

For more information about using database scripts, see "Database Scripts" on page 31.

Supporting Transaction Definitions

This service was built from the configured services defined in the following transaction definitions:

■ setLaborTxn1159.txp

■ LaborTransactions1159.txp

For information about using the transaction definition files to customize this service, see "Transaction Definitions" on page 30.

Flow Control

The main flow executes as follows:

■ specifyDefaultSettings specifies the default parameter settings required for service execution. You should change these settings accordingly.

■ specifyConcProgParams specifies the default parameter settings required for concurrent program execution. You should change these settings accordingly.

■ generateBatchName gets the BATCH_NAME for the current set of Labor records.

   ■ pickSequence generates the current sequence number from the sequence, WM_PA_GROUP_S.

- **bizDocMapping** maps the incoming business document structure to the required Oracle Applications data structures (the interface tables).

    - **getOrgId** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes ORGANIZATION_NAME as the input parameter and queries the table ORG_ORGANIZATION_DEFINITIONS and gets the ORGANIZATION_ID corresponding to the ORGANIZATION_NAME.

    - **getCodeCombinationId** is a transformer for mapping the business document IData structure to the interface table IData structure. This service gets CODE_COMBINATION_ID from GL_CODE_COMBINATIONS_KFV given the CONCATENATED_SEGMENTS.

    - **getSystemLinkage** is a transformer for mapping the business document IData structure to the interface table IData structure. It takes EXPENDITURE_CLASS as the input parameter and queries the table PA_SYSTEM_LINKAGES to get SYSTEM_LINKAGE.

- **setLaborTxn** inserts data into the interface table. It extracts data from the IData structure resulted in the bizDocMapping service and puts the data into the interface table in Oracle Applications for Labor.

- **importLabor** imports data to the production table from the interface table. It calls the execLaborConcProg, checkLaborImportStatus, and getLaborImport_ERR services to execute the corresponding concurrent program that inserts data into the production table and to generate the error or acknowledgement message. If the execution of executeConcProgram returns the status of SUCCESS, it checks for the record with the current BATCH_NAME in the interface table. If any are found, it then generates an error during import. In this case, this service calls getLaborImport_ERR to retrieve the errors. If no record is found, it exits the flow and the data import process is successful.

    - **execLaborConcProg** invokes the stored procedure WM_LABORTXN_IMP_HANDLER_PKG.WM_HANDLE_LABORTXN that calls the corresponding concurrent subroutine to execute the data import process for Labor into Oracle Applications. This service produces Status ID, Request ID, Execution Status Message for normal concurrent program completion, and a database Stored Procedure error message (if an exception occurs in the Stored Procedure execution).

    - **checkLaborImportStatus** checks execution status by checking the interface table for any rejected records corresponding to the current BATCH_NAME. If it does not return any rows, the import was successful. If it returns a row, the concurrent program could not import data successfully in the Oracle Applications production tables.

    - **getLaborImport_ERR** gets the error message that occurs during data import to the production table from the interface table. Based on the parameter

BATCH_NAME, it scans the PA_TRANSACTION_INTERFACE_ALL table to get the corresponding message matches to the BATCH_NAME.

For more details on receive transactions, see .

Business Document Structure

This service uses the business document LaborBizDoc. Its structure is as follows:

- LABOR_BIZDOC

LABOR_BIZDOC (Maps to PA_TRANSACTION_INTERFACE_ALL)

Field Name	Maps to Column	Description
TRANSACTION_SOURCE	TRANSACTION_SOURCE	Required. Source of the transaction is defined in the Transaction Sources window in Oracle Projects. Use values such as Default Expenditure Type Class, GL Accounted, Costed, or Uncosted.
EXPENDITURE_ENDING_DATE	EXPENDITURE_ENDING_DATE	Required. Last day of the expenditure week.
EMPLOYEE_NUMBER	EMPLOYEE_NUMBER	Required for Expenditure Type class as Labor and Expense Reports. Employee number of the employee who incurred charges.
CHARGE_ORGANIZATION_ NAME	ORGANIZATION_NAME	Name of the organization that incurred the charge for this transaction.
EXPENDITURE_ITEM_DATE	EXPENDITURE_ITEM_DATE	Required. Date when the transaction occurred.
PROJECT_NUMBER	PROJECT_NUMBER	Required. Project number that incurred the expenditure.
TASK_NUMBER	TASK_NUMBER	Required. Task number for the project.

Field Name	Maps to Column	Description
EXPENDITURE_TYPE	EXPENDITURE_TYPE	Required. Expenditure that classifies this transaction. The expenditure type and expenditure type class must have a valid combination in the PA_EXPEND_TYP_SYS_LINKS table.
NON_LABOR_RESOURCE	NON_LABOR_RESOURCE	Non-labor resource for the transaction.
NON_LABOR_RESOURCE_ ORG_NAME	NON_LABOR_RESOURCE_ ORG_NAME	Name of the organization owning the non-labor resource.
QUANTITY	QUANTITY	Required. Number of units for the transaction based on the expenditure type.
RAW_COST	RAW_COST	Raw cost amount.
EXPENDITURE_COMMENT	EXPENDITURE_COMMENT	Description for the transaction.
TRANSACTION_STATUS_ CODE		
ORIG_TRANSACTION_ REFERENCE	ORIG_TRANSACTION_ REFERENCE	Required. Unique reference to identify this record.
RAW_COST_RATE	RAW_COST_RATE	Raw cost rate of the costed transaction.
UNMATCHED_NEGATIVE_ TXN_FLAG	UNMATCHED_NEGATIVE_ TXN_FLAG	Indicates whether the transaction is an unmatched negative transaction and is not adjusted against an expenditure item.
ORGANIZATION_NAME	ORG_ID	Organization name for the transaction. Populates the ORG_ID for a multi-organization setup. The getOrgId service is invoked to get the ORGANIZATION_ID.
DR_CODE_COMBINATION	DR_CODE_COMBINATION_ID	Populates the DR_CODE_COMBINATION_ID for accounted transactions. The getCodeCombinationID service is invoked to get the code combination ID.

Field Name	Maps to Column	Description
CR_CODE_COMBINATION	CR_CODE_COMBINATION_ID	Populates the CR_CODE_COMBINATION_ID for accounted transactions. The getCodeCombinationID service is invoked to get the code combination ID.
CDL_SYSTEM_REFERENCE1	CDL_SYSTEM_REFERENCE1	Use the external system to drill down to the transaction in the original system.
CDL_SYSTEM_REFERENCE2	CDL_SYSTEM_REFERENCE2	
CDL_SYSTEM_REFERENCE3	CDL_SYSTEM_REFERENCE3	
GL_DATE	GL_DATE	General Ledger date if the transaction has already been accounted.
BURDENED_COST_RATE	BURDENED_COST_RATE	Burdened cost multiplier that Oracle Applications uses for reporting purposes.
EXPENDITURE_CLASS	SYSTEM_LINKAGE	Fetch the System Linkage function from PA_SYSTEM_LINKAGES using the Meaning column as the expenditure class. Populate SYSTEM_LINKAGE column with this value. You must define the combination of the expenditure type and System Linkage function in Oracle Projects. The getSystemLinkage service is invoked to get the expenditure class.
USER_TRANSACTION_SOURCE	USER_TRANSACTION_SOURCE	Must be defined in PA_TRANSACTION_USER_TRANS ACTION_SOURCE.
RECEIPT_CURRENCY_AMOUNT	RECEIPT_CURRENCY_AMOUNT	Amount of the expenditure in original currency.
RECEIPT_CURRENCY_CODE	RECEIPT_CURRENCY_CODE	Currency code for receipt currency.

Field Name	Maps to Column	Description
RECEIPT_EXCHANGE_RATE	RECEIPT_EXCHANGE_RATE	Exchange rate to convert from the receipt currency to the transaction currency (reimbursement currency).
DENOM_CURRENCY_CODE	DENOM_CURRENCY_CODE	Currency code for the transaction currency.
DENOM_RAW_COST	DENOM_RAW_COST	Raw cost amount in the transaction currency.
DENOM_BURDENED_COST	DENOM_BURDENED_COST	Burdened cost amount in the transaction currency.
ACCT_RATE_DATE	ACCT_RATE_DATE	Exchange rate for converting to the functional currency.
ACCT_RATE_TYPE	ACCT_RATE_TYPE	Conversion type for converting to the functional currency.
ACCT_EXCHANGE_RATE	ACCT_EXCHANGE_RATE	Exchange rate for converting to the functional currency.
ACCT_RAW_COST	ACCT_RAW_COST	Raw cost in functional currency. For accounted transactions, the import transaction compares this value to the value calculated from DENOM_RAW_COST to ensure it is within the ACCT_EXCHANGE_ ROUNDING_LIMIT.
ACCT_BURDENED_COST	ACCT_BURDENED_COST	The burdened cost in the functional currency
ACCT_EXCHANGE_ ROUNDING_LIMIT	ACCT_EXCHANGE_ ROUNDING_LIMIT	Functional currency rounding limit. If null, then the rounding limit is 0.
PROJECT_RATE_DATE	PROJECT_RATE_DATE	Exchange rate date for converting to project currency.
PROJECT_RATE_TYPE	PROJECT_RATE_TYPE	Conversion rate type used to convert to the project currency.
PROJECT_EXCHANGE_RATE	PROJECT_EXCHANGE_RATE	The exchange rate for converting to project currency.
ORIG_EXP_TXN_REFERENCE1	ORIG_EXP_TXN_REFERENCE1	Expenditure identifier in the external system.

Field Name	Maps to Column	Description
ORIG_EXP_TXN_REFERENCE2	ORIG_EXP_TXN_REFERENCE2	Columns provided for additional grouping.
ORIG_EXP_TXN_REFERENCE3	ORIG_EXP_TXN_REFERENCE3	Used for additional grouping.
ORIG_USER_EXP_TXN_ REFERENCE	ORIG_USER_EXP_TXN_ REFERENCE	Expenditure identifier in the external system (User Reference).
VENDOR_NUMBER	VENDOR_NUMBER	For supplier invoices.
OVERRIDE_TO_ ORGANIZATION_NAME	OVERRIDE_TO_ ORGANIZATION_NAME	Overrides Organization_Name.
REVERSED_ORIG_TXN_ REFERENCE	REVERSED_ORIG_TXN_ REFERENCE	Reference identifier of the original transaction that this transaction reverses.
BILLABLE_FLAG	BILLABLE_FLAG	Billable or capitalizable flag.
PROJECT_RAW_COST	PROJECT_RAW_COST	Raw cost in project currency.
PROJECT_BURDENED_COST	PROJECT_BURDENED_COST	Burdened cost in project currency.

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