

SeeBeyond ICAN Suite

Oracle Applications eWay Intelligent Adapter User's Guide

Release 5.0



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Introducing the Oracle Applications eWay

Welcome to the *Oracle Applications eWay Intelligent Adapter User's Guide*. This document includes information about installing, configuring, and using the SeeBeyond® Oracle Applications eWay Intelligent Adapter.

Chapter topics

- [“Overview” on page 8](#)
- [“Supported Operating Systems” on page 12](#)
- [“System Requirements” on page 12](#)
- [“External System Requirements” on page 12](#)
- [“Installing the Oracle Applications eWay” on page 13](#)

1.1 Overview

The Oracle Applications eWay Intelligent Adapter utilizes the SeeBeyond Integrated Composite Application Network Suite™ (ICAN) to provide a comprehensive integration solution for the Oracle Applications Product Family included in Oracle release 11i. It provides added value to the Oracle suite by allowing pre-validation of data before it is uploaded to the Oracle database, and providing the ability to handle error conditions. These are important features, since data containing even the slightest of errors will cause a transmission to fail at runtime.

1.1.1 Oracle Applications

The Oracle E-Business Suite 11i is a comprehensive enterprise resource planning (ERP) software package built upon Oracle's database technology. It is presented within an Internet environment, using online transaction processing, to address the global requirements of today's typical enterprise.

The E-Business suite includes a large number of Product Families, grouped into software modules corresponding to what were once stand-alone computer systems used by individual departments. These Product Families are identified by their major business functions, such as:

- Financials
- Human Resources

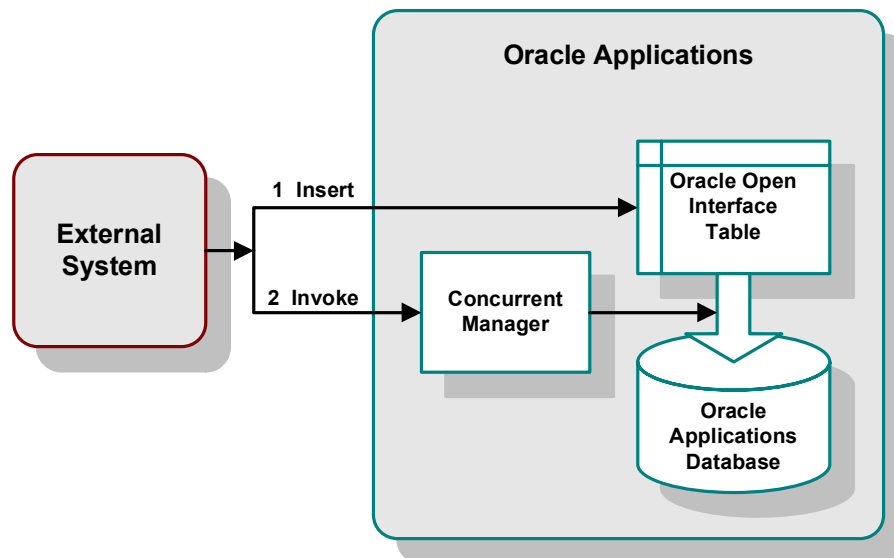
- Manufacturing
- Marketing
- Sales

These Product Families are integrated together to share a common database, allowing a company's various departments to quickly and easily share information and communicate with each other.

Oracle Applications Basic Operation

The basic architecture of an Oracle system contains a set of base objects, which are held in highly normalized core tables within the Oracle database. A de-normalized view of these base objects is provided in a set of Open Interface Tables (OITs), also maintained in the database. Data is passed from the Open Interface Tables to the core tables under the control of the Concurrent Manager.

Figure 1 Basic Oracle Applications Operation



In a typical scenario, an operator schedules an import job by means of the Oracle front end, which initiates the following procedure:

- 1 Data is passed from the Open Interface Tables to the core tables under the control of Import Jobs scheduled by the Concurrent Manager.
- 2 It then invokes the Oracle Concurrent Manager, which:
 - ♦ Validates the data in the Open Interface Table, based on a set of stored SQL procedures.
 - ♦ Inserts the validated rows into the Oracle Applications Database.

This highly-simplified procedure is depicted in Figure 1. There are several limitations to this very basic scheme:

- Once data is in the Open Interface Table, it cannot be withdrawn or corrected.

- Data failing the validation process may be handled in different ways—some import scripts update the original rows with error codes, while other scripts log errors to a file, requiring user intervention.
- Only the default validation rules provided by Oracle are used in the validation process, and may not address specific customer requirements.
- There is no easy way to insert batches of data as a transactional unit—for example, where all inserts from a batch must succeed (if *any* fail, then *all* must fail).

1.1.2 Oracle Applications eWay

The Oracle Applications eWay provides a comprehensive integration solution for the Oracle Applications Product Family included in Oracle release 11i. It provides added value to the suite by allowing pre-validation of data before it is uploaded to the Oracle database, as well as providing the ability to handle error conditions. These are important features, since data which is even slightly erroneous will cause a transmission to fail at runtime.

Oracle contains three types of Open Interfaces:

- API (PL/SQL)
- View
- Tables

The Oracle Applications eWay provides additional support for Open Interface Tables. Additionally, the eWay is highly customizable—allowing you to modify the validation rules or add your own customer-specific requirements for error handling and recovery. For example, you might choose to have records that fail an import remain in the OIT so that an operator will be able to use the Oracle administration tools to amend and resubmit the data. Alternatively, you could have errors sent back through eGate to the calling application—or select a mixture of both, depending on the type of message.

Using the eWay, you can insert and update Oracle Applications with data from external systems using the eGate Enterprise Manager. Information can be sent either in real-time, delivering prompt event-driven performance, or in batch (store and forward) form. Error handling is provided through extensive pre-validation business logic. The following Oracle modules and Open Interfaces are currently supported:

- Purchasing
 - ♦ Purchase Order Import
 - ♦ Purchase Order Receiving
 - ♦ Purchase Order Requisition
- Inventory Management
 - ♦ Customer Items Interface
 - ♦ Customer Items Cross-Reference Interface
 - ♦ Cycle Count Entries Interface
 - ♦ Item Import

- ◆ Item Revisions Import
- ◆ Replenishment Interface
- ◆ Transactions Interface

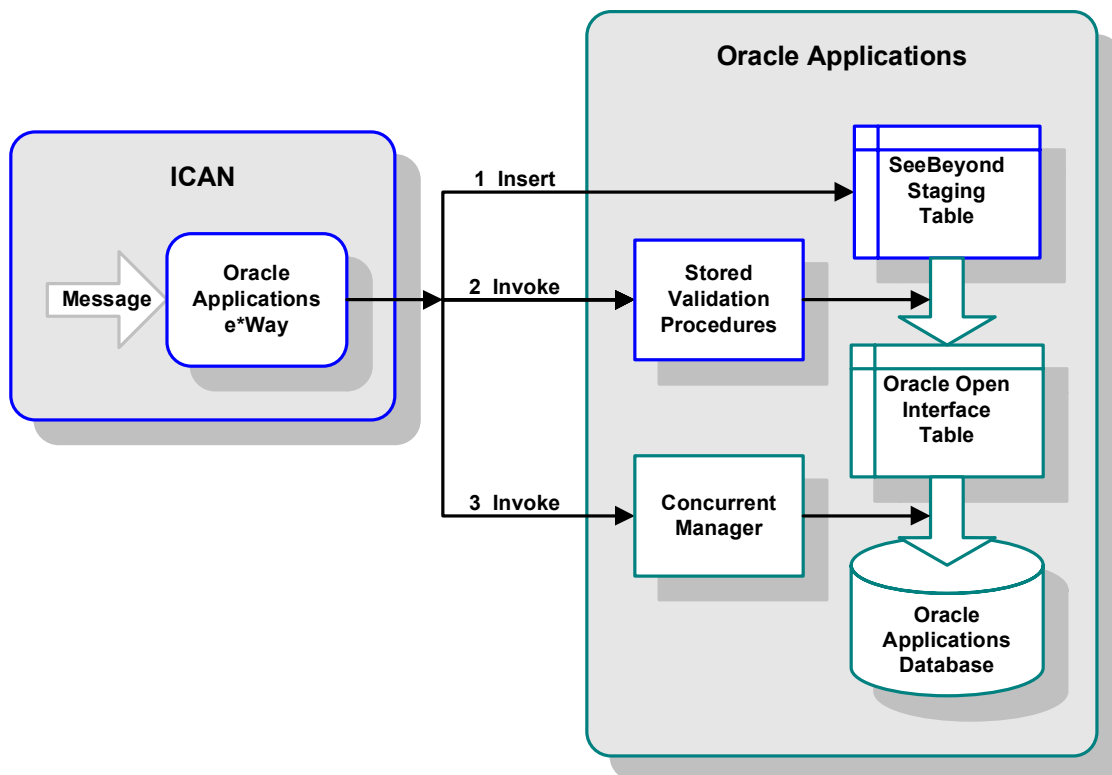
Oracle Applications eWay Basic Operation

When the Oracle Applications eWay receives a message from the ICAN Integration Server, it proceeds as follows:

- 1 It inserts the data into a staging table contained within the Oracle database, following the OTD corresponding to the current Open Interface Table.
- 2 It pre-validates the data in the staging table by invoking stored procedures, also contained in the Oracle database. The eWay checks for and manages any errors, after which the validated rows are placed into the Interface Table.
- 3 It then initiates a standard Oracle validation by involving the Oracle Concurrent Manager, which validates the data in the Open Interface Table and stores the validated rows in the Oracle Applications Database.

This simplified procedure is depicted in Figure 2. A more detailed description, including the handling of data failing validation, is contained in [“Exchanging Data with Oracle Applications” on page 51](#).

Figure 2 ICAN-to-Oracle Operation



1.1.3 Disclaimer

The pre-validation scripts packaged with the eWay for the supported modules are rudimentary and do not cover all possible scenarios. Since the requirements from Oracle occasionally change and evolve, you may be required to provide additional data and/or parameters to ensure that the Concurrent Manager request completes successfully, without errors.

1.2 Supported Operating Systems

The Oracle Applications eWay is available on the following operating systems:

- Windows 2000, Windows XP, Windows Server 2003
- HP Tru64 V5.1A
- HP-UX 11.0, 11i (PA-RISC), and 11i v2.0 (11.23)
- IBM AIX 5.1L and 5.2
- Red Hat Enterprise Linux AS 2.1 (Intel x86)
- Red Hat Linux 8 (Intel x86)
- Sun Solaris 8 and 9
- SuSE Linux Enterprise Server 8 (Intel x86)

1.3 System Requirements

The system requirements for the Oracle Applications eWay are the same as for eGate Integrator. Refer to the *SeeBeyond ICAN Suite Installation Guide* for a complete listing of system requirements. It is also helpful to review the **Readme.txt** file for additional requirements prior to installation.

Note: To enable Web services, you must also install and configure eInsight.

1.4 External System Requirements

The Oracle Applications eWay supports the following external system:

- Oracle Applications 11.5

For full information on the requirements for the Oracle Applications environment, see the Oracle Applications documentation.

1.5 Installing the Oracle Applications eWay

The installation process includes:

- Installing the ICAN Repository.
- Uploading products to the Repository (including the Oracle Applications eWay, documentation, sample files, and Javadocs).
- Downloading components (including the Enterprise Designer and Logical Host) from the Repository.
- Updating products in the Enterprise Designer using the Update Center Wizard.

To install the Oracle Applications eWay

- 1 Follow the instructions for installing ICAN in the *SeeBeyond ICAN Suite Installation Guide*.
- 2 After uploading **eGate.sar** to the Repository, upload the following additional product files:
 - ♦ **OracleApplicationseWay.sar** (to install the Oracle Applications eWay)
 - ♦ **FileeWay.sar** (to install the File eWay, used in the sample Projects)
 - ♦ **OracleApplicationseWayDocs.sar** (to install the Oracle Applications eWay documentation)

Note: *These files may not be located on the same installation disc as the **eGate.sar** file.*

To install the Oracle Applications eWay Samples and Javadocs

- 1 From the Documentation tab of the Enterprise Manager, click **Oracle Applications** to view the list of files available for this product.
- 2 Click **Download Sample** to open the **OracleApplicationsSample.zip** file.
- 3 Use WinZip to extract the sample files to the desired location.
- 4 Click **Download Javadocs** to open the **OracleApplicationsJavadoc.zip** file.
- 5 Use WinZip to extract the Javadocs files to the desired location.
- 6 After you complete the process of installing the Repository, Logical Host, and Enterprise Designer (as described in the *SeeBeyond ICAN Suite Installation Guide*), refer to **Chapter 5** for instructions on importing the sample project into your repository via the Enterprise Designer.

Properties of the Oracle Applications eWay

The Oracle Applications eWay contains a unique set of properties that are configurable from the Project's Connectivity Map during design time. When you connect an external application—such as an eWay—with a Service on the Connectivity Map, Enterprise Designer automatically assigns the eWay to the link, allowing modification of exposed properties.

Chapter topics

- [“Setting the Properties of the Outbound Oracle Applications eWay” on page 16](#)
- [“Setting the Properties of the Outbound Oracle Applications eWay External” on page 20](#)

2.1 Setting the eWay Properties in the Connectivity Map

To set an eWay's properties in the Connectivity Map

- 1 In the Project Explorer, create your Connectivity Map with all the components your Project requires.
- 2 Double click the properties icon of the eWay you want to configure.

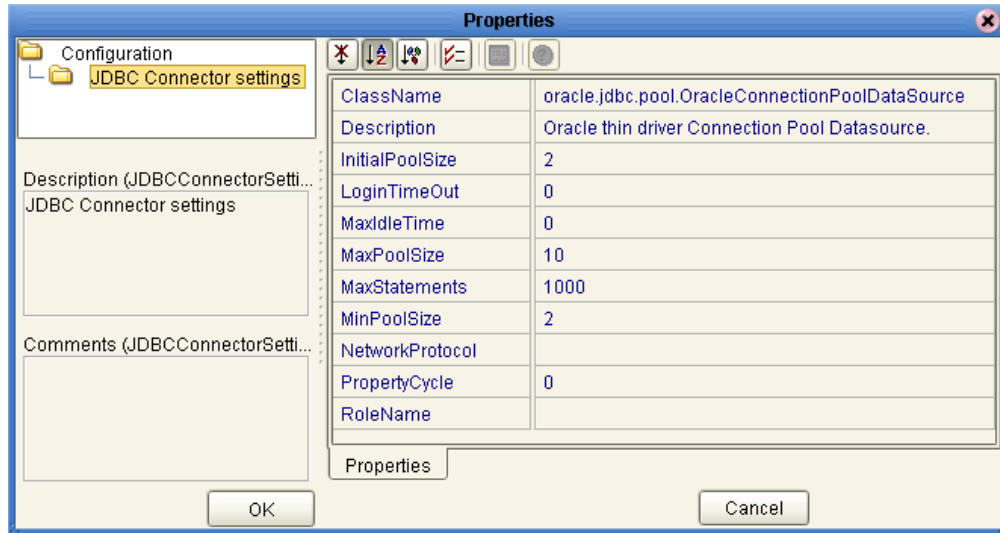
Figure 3 eWay Properties Icon



- 3 Enter the property settings as described in the following sections.

2.1.1 Setting the Properties of the Outbound Oracle Applications eWay

Figure 4 Outbound Oracle Applications eWay



ClassName

Description

Specifies the Java class in the JDBC driver that is used to implement the ConnectionPoolDataSource interface.

Required Values

A valid class name.

The default value is **oracle.jdbc.pool.OracleConnectionPoolDataSource**.

Description

Description

Specifies the description for the database.

Required Values

A valid string. The default is **Oracle thin driver Connection Pool Datasource**.

InitialPoolSize

Description

Sets the initial number of physical connections the pool should contain when it is created.

Required Values

A valid number. The default is **2**.

LoginTimeout

Description

Specifies the number of seconds the driver will wait before attempting to log in to the database before timing out.

Required Values

A valid number. The default is **0**.

MaxIdleTime

Description

Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. To specify an unlimited amount of time, enter a value of **0**.

Required Values

A valid number. The default is **0**.

MaxPoolSize

Description

Defines the maximum connection pool size. To specify an unlimited connection pool, enter a value of **0**.

Required Values

A valid number. The default is **10**.

MaxStatements

Description

Specifies the maximum number of prepared statements to be cached. To disable caching prepared statements, enter a value of **0**.

Required Values

A valid number. The default is **1000**.

MinPoolSize

Description

Specifies the minimum number of connections to keep available in the connection pool. To specify that no connections should remain in the connection pool, enter a value of **0**. In this case, new connections will be created as needed.

Required Values

A valid number. The default is **2**.

NetworkProtocol

Description

Specifies the network protocol to be used to communicate with the server.

Required Values

Any valid string.

PropertyCycle

Description

Specifies the interval, in seconds, that the pool should wait before enforcing the current policy defined by the values of the other connection pool properties in this deployment descriptor.

Required Values

A valid number. The default is **0**.

RoleName

Description

Defines the initial SQL role name.

Required Values

Any valid string.

2.2 Setting the External Properties in the Environment Explorer

Use the Environment Explorer to configure the properties of the Oracle Applications eWay External.

To set the properties of the eWay External

- 1 In the Environment Explorer, create a new Environment (if necessary).
- 2 Right-click your Environment and click **New Oracle Applications External System**.
- 3 Type the name of the External System and select one of the External System Types:
 - ♦ **Outbound Oracle Applications eWay**
- 4 Click **OK** to create the new External System.
- 5 Right-click the newly created External System and click **Properties**.
- 6 Enter the property settings as described in the following sections.

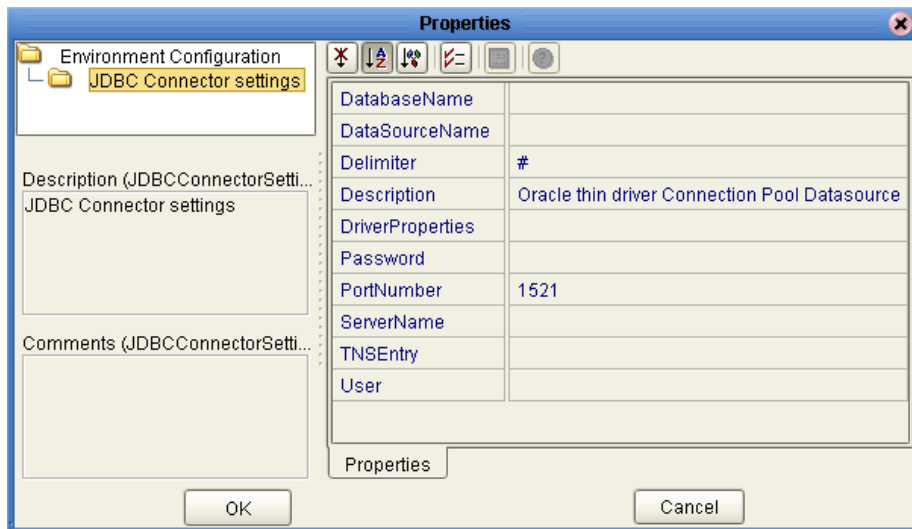
2.2.1 Setting the Properties of the Outbound Oracle Applications eWay External

To ensure a successful database connection when using different Oracle drivers, be sure to only fill in the following fields:

To use the Oracle thin driver:

- DatabaseName
- PortNumber
- ServerName
- User
- Password

Figure 5 Outbound Oracle Applications eWay External



DatabaseName

Description

Specifies the name of the database instance used on the Server

Required Values

Any valid string.

DataSourceName

Description

Specifies the name of the ConnectionPoolDataSource object that the DataSource object delegates behind the scenes when connection pooling or distributed transaction management is being done.

Required Values

Any valid string.

This value is optional and can be left blank.

Delimiter

Description

Defines the delimiter character to be used in the `DriverProperties` property. (See “**DriverProperties**” below).

Required Values

A valid ASCII character. The default is #.

Description

Description

Specifies the description for the database.

Required Values

A valid string. The default is **Oracle thin driver Connection Pool Datasource**.

DriverProperties

Description

Specifies the properties for the JDBC driver being used with this eWay. Use this in the case where a `DataSource` implementation needs to execute additional methods to establish and maintain a connection.

Required Values

Any valid method name(s) and parameter(s). You must use the delimiter you specified in “**Delimiter**” above.

The format for the method names and parameters is:

```
methodName1#param1##param2##...paramN#methodName2##param1##param2##
```

For example, to execute the method `setURL`, the `DriverProperties` string would be:

```
setURL#http://www.myURL.com##
```

Password

Description

Specifies the password used to access the database.

Required Values

Any valid string.

PortNumber

Description

Specifies the I/O port number on which the server is listening for connection requests.

Required Values

A valid port number. The default is **1521**.

ServerName

Description

Specifies the host name of the external database server.

Required Values

Any valid string.

TNSEntry

Description

Specifies the TNS name for the Oracle instance specified in TNSNAMES.ORA.

This parameter is only used if you are using the OCI drivers, which are not currently supported.

Required Values

Any valid string.

User

Description

Specifies the user name the eWay uses to connect to the database.

Required Values

Any valid string.

This parameter is only used if you are using the OCI drivers, which are not currently supported.

Pre-Validation Process

This chapter provides an overview of the pre-validation process used by the Oracle Applications eWay. You can modify the pre-validation scripts as required to match your business rules. Brief descriptions of the individual scripts, including the error codes returned by the scripts, are found in [Appendix A “Validation Scripts” on page 68](#).

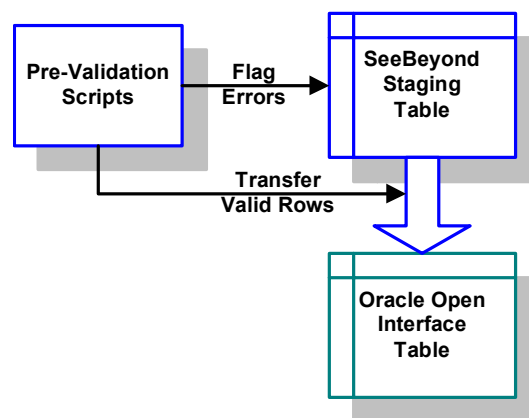
Chapter topics

- [“Overview” on page 23](#)
- [“Inventory Module” on page 25](#)
- [“Purchase Order Import Module” on page 31](#)
- [“Building a Custom Pre-Validation Package” on page 34](#)
- [“Naming Conventions” on page 39](#)

3.1 Overview

Each of the Oracle Applications modules is divided into sub-modules, each representing a logical division of workflow. Each sub-module uses at least one corresponding set of tables and scripts, as shown in

Figure 6 Pre-Validation Subsystem



3.1.1 Pre-Validation Scripts

For Open Interfaces for which pre-validation scripts have been supplied, the SQL files shipped with the eWay are sufficient for you to create a working Project. For Open Interfaces for which pre-validation scripts are not currently available, a template XML file (**templateXml.xml**) is supplied. Use this file to build your own pre-validation package. The procedure for you to follow is given in **“Building a Custom Pre-Validation Package” on page 34**.

Disclaimer

The pre-validation scripts packaged with the eWay for the supported modules are rudimentary and do not cover all possible scenarios. Since the requirements from Oracle occasionally change and evolve, you may be required to provide additional data and/or parameters to ensure that the Concurrent Manager request completes successfully and without errors. Pre-validation scripts have been tested in 11.5.3 only.

3.1.2 Pre-Validation Procedures

Common Procedures

All pre-validation script packages (*_pkg.sql) contain the following procedures.

Table 1 Common Procedures

Procedure	Purpose
Initialize_Profile	Initializes the table for sharing to avoid running multiple instances by different users.
TidyUp	Updates sb_pass_or_fail columns in the staging table from INTERMEDIATE to PASS for records that were not marked as failed by the pre-validation rules.
Validate	The main validation procedure which calls the procedures that perform the pre-validations for the Interface Table.

Interface-Specific Procedures

A comprehensive list of all procedures and subroutines for currently-supported Open Interfaces can be found in **“Validation Scripts” on page 68**. These are grouped by script package (*_pkg), and reference the error codes generated by the specific subroutines. This information is also listed by error code in **“Error Codes” on page 115**.

3.2 Inventory Module

The Oracle Inventory module works with other Oracle Inventory Management modules to provide a complete set of transactions and reports for maintaining inventory control. This module is divided into the following sub-modules:

- “Customer Items” on page 25
- “Customer Items Cross-Reference” on page 26
- “Cycle Count Entries” on page 27
- “Items and Item Revisions” on page 28
- “Replenishment” on page 29
- “Transactions” on page 30

3.2.1 Customer Items

Oracle Interface Table

Oracle provides the following Interface Table for Customer Items:

- `mtl_ci_interface`

SeeBeyond Staging Table

The Oracle Applications eWay sets up the following staging table, corresponding to the Oracle Open Interface Tables listed above:

- `sb_mtl_ci_interface`

Pre-Validation Script

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following file:

- `sb_validate_cust_items_pkg.sql`

3.2.2 Customer Items Cross-Reference

Oracle Interface Table

Oracle provides the following Interface Table for Customer Item Cross-References:

- `mtl_ci_xrefs_interface`

SeeBeyond Staging Table

The Oracle Applications eWay sets up the following staging table, corresponding to the Oracle Open Interface Tables listed above:

- `sb_mtl_ci_xrefs_interface`

Pre-Validation Script

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following file:

- `sb_validate_ci_xrefs_pkg.sql`

3.2.3 Cycle Count Entries

Oracle Interface Table

Oracle provides the following Interface Table for Cycle Count Entries:

- `mtl_cc_entries_interface`

SeeBeyond Staging Table

The Oracle Applications eWay sets up the following staging table, corresponding to the Oracle Open Interface Table listed above:

- `sb_mtl_cc_entries_interface`

Pre-Validation Script

The scripts corresponding to the SeeBeyond Staging Table listed above are packaged within the following file:

- `sb_validate_cc_entries_pkg.sql`

3.2.4 Items and Item Revisions

Oracle Interface Tables

Oracle provides the following Interface Tables for Items:

- `mtl_system_items_interface`
- `mtl_item_revisions_interface`

SeeBeyond Staging Tables

The Oracle Applications eWay sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above:

- `sb_mtl_system_items_interface`
- `sb_mtl_item_revisions_int`

Pre-Validation Scripts

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following files:

- `sb_validate_items_pkg.sql`
- `sb_validate_invrev_pkg.sql`

3.2.5 Replenishment

Oracle Interface Tables

Oracle provides the following Interface Tables for Item Replenishment:

- mtl_replenish_headers_int
- mtl_replenish_lines_int

SeeBeyond Staging Tables

The Oracle Applications eWay sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above:

- sb_mtl_replenish_headers_int
- sb_mtl_replenish_lines_int

Pre-Validation Scripts

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following files:

- sb_validate_rep_headers_pkg.sql
- sb_validate_rep_lines_pkg.sql

These files are controlled by the following master validation file:

- sb_validate_rep_pkg.sql

3.2.6 Transactions

Oracle Interface Tables

Oracle provides the following Interface Tables for Transactions:

- mtl_transactions_interface
- mtl_transaction_lots_interface
- mtl_serial_numbers_interface

SeeBeyond Staging Tables

The Oracle Applications eWay sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above:

- sb_mtl_transactions_interface
- sb_mtl_transaction_lots_inter
- sb_mtl_serial_numbers_interfac

Pre-Validation Scripts

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following file:

- sb_validate_trans_pkg.sql
- sb_validate_trans_lots_pkg.sql
- sb_validate_serial_nos_pkg.sql

These files are controlled by the following master validation file:

- sb_validate_tran_all_pkg.sql

3.3 Purchase Order Import Module

The Oracle Purchase Order Import module works with other Oracle Inventory Management modules to provide a complete set of transactions and reports for maintaining inventory control. This module is divided into the following sub-modules:

- [“Purchase Order Import” on page 31](#)
- [“Purchase Order Receiving” on page 32](#)
- [“Purchase Order Requisitions” on page 33](#)

Each sub-module uses at least one corresponding set of tables and scripts, as depicted in [Figure 6 on page 23](#).

3.3.1 Purchase Order Import

Oracle Interface Tables

Oracle provides the following Interface Tables for Purchase Order Import:

- `po_headers_interface`
- `po_lines_interface`

SeeBeyond Staging Tables

The Oracle Applications eWay sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above:

- `sb_po_headers_interface`
- `sb_po_lines_interface`

Pre-Validation Scripts

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following files:

- `sb_validate_poi_hdrs_pkg.sql`
- `sb_validate_poi_lines_pkg.sql`

These files are controlled by the following master validation file:

- `sb_validate_poi_pkg.sql`

3.3.2 Purchase Order Receiving

Oracle Interface Tables

Oracle provides the following Interface Tables for Receiving:

- rcv_headers_interface
- rcv_transactions_interface

SeeBeyond Staging Tables

The Oracle Applications eWay sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above:

- sb_rcv_headers_interface
- sb_rcv_transactions_interface

Pre-Validation Scripts

The scripts corresponding to the SeeBeyond Staging Tables listed above are packaged within the following files:

- sb_validate_rcv_hdr_pkg.sql
- sb_validate_rcv_trans_pkg.sql

These files are controlled by the following master validation file:

- sb_validate_rcv_pkg.sql

3.3.3 Purchase Order Requisitions

Oracle Interface Table

Oracle provides the following Interface Table for Requisitions:

- `po_requisitions_interface_all`

SeeBeyond Staging Table

The Oracle Applications eWay sets up the following staging table, corresponding to the Oracle Open Interface Table listed above:

- `sb_po_requisitions_interface_a`

Pre-Validation Script

The scripts corresponding to the SeeBeyond Staging Table listed above are packaged within the following file:

- `sb_validate_por_req_pkg.sql`

3.4 Building a Custom Pre-Validation Package

Important: Read sections 3.5 “Naming Conventions” on page 39 and 4.3 “Exposed OTD Nodes” on page 45 for more information on modifying the `template.xml` correctly. The `Order_Import.xml` is a good example to refer to.

To build a custom pre-validation package for a non-supported Open Interface

- 1 Modify the Oracle Applications master configuration file in the following location to add a new module:

```
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
configs\Applications.xml
```

When adding a new business function, assign the business section a new name and entry for the new open interface. Do not use spaces when creating a module name.

```
<Module Name="Module_Name"Definition="moduleDefinition.xml">
</Module>
```

Notice that the name attribute is an English description which appears in the OTD wizard where the definition attribute locates the open interface XML definition file.

- 2 Copy and rename the `template.xml` file from:

```
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
configs\templateXml.xml
```

to the appropriate directory:

```
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
configs\business_function_name\moduleDefinition.xml
```

where `business_function_name` is the name attribute value (for example, either **Manufacturing** or **Financial**).

- 3 Replace the `<%%ORACLE_INTERFACE_NAME%%>` with the correct open interface name.
- 4 Replace the `<%%ORACLE_APPLICATION_SUITE_NAME%%>` with the correct business suite name.
- 5 Replace the `<%%MODULE_NAME%%>` with the correct module name.
- 6 The `initialize` and `request_status` scripts are already specified in the XML file. If you do not need these, simply remove them from the XML file. If you need to customize these scripts,
 - A Copy the SQL file to the desired directory
 - B Rename the file—the package name must be the same as the SQL file name (which is true for all entries in this XML file).
 - C Modify the scripts as needed for your own implementation.
 - D In the XML file, refer to these new customized SQL files instead of the shipped SQL script.

Note: You should leave the `Initialize_Profile` stored procedure name as-is, and as the entry point for the initialization packages.

- 7 Replace <%%VALIDATION_PACKAGE_SQL_FILE_NAME%%> with the correct path and file name for the validation package. This validation package file name should be sql**business_function_name**\<%%MODULE_NAME%%>\<%%ORACLE_INTERFACE_NAME%%>\sb_validate_interfaceNameAbbreviation_pkg.sql, this path is relative from
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
This package contains the VALIDATE procedure which eventually invokes all the VALIDATE procedures for all the tables. Please refer to sections 3.1.2 **“Pre-Validation Procedures” on page 24** and 4.3.8 **“VALIDATE” on page 49** for more information on how to compose the VALIDATE function.
- 8 Replace <%%UTILITY_PACKAGE_SQL_FILE_NAME%%> with the correct path and file name for the utility package. This utility package file name should be sql**business_function_name**\<%%MODULE_NAME%%>\<%%ORACLE_INTERFACE_NAME%%>\sb_interfaceNameAbbreviation_utils_pkg.sql, this path is relative from
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
This package contains the procedures to move, delete, and function count all interface tables and the OTD level. Please refer to section 4.3 **“Exposed OTD Nodes” on page 45** for more information on how to compose the procedure and function names.
- 9 Replace <%%CONCURRENT_MANAGER_FUNCTION_SQL_FILE_NAME%%> with the correct path and file name for the concurrent file. This concurrent manager file name should be sql**business_function_name**\<%%MODULE_NAME%%>\<%%ORACLE_INTERFACE_NAME%%>\fn_request_<%%ORACLE_INTERFACE_NAME%%>.sql relative from
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
This function will eventually invoke the concurrent manager. Please refer to section 4.3.6 **“REQUEST” on page 48** for more information on how to compose this function.
- 10 Replace <%%INTERFACE_TABLE_NAME%%> with the correct interface table name. Create more entries as needed for each interface table, either in the same level or as a child. For example, in manufacturing, **order** import has two interface tables with child-parent relationships, where as **item** import has two interface tables with sibling relationships.
- 11 Replace
<%%INTERFACE_TABLE_VALIDATION_PACKAGE_SQL_FILE_NAME%%>
with the correct path and file name for the validation package for this particular interface table. This validation package file name should be
sql**business_function_name**\<%%MODULE_NAME%%>\<%%ORACLE_INTERFACE_NAME%%>\sb_validate_interface_TableNameAbbreviation_pkg.sql, this path is relative from
<ICAN_Dir>\edesigner\userdir\modules\ext\oracleappsadapter\wizard\
This package has the VALIDATE procedure for these interface tables. Please refer to sections 3.1.2 **“Pre-Validation Procedures” on page 24** and 4.3.8 **“VALIDATE” on page 49** for more information on how to compose the VALIDATE function
- 12 Restart the Enterprise Designer so the OTD Wizard can load the new changes.

- 13 Create and compile the SQL scripts defined in the XML definition files. When creating SQL files, make sure that they begin with CREATE AND REPLACE.

Note: *The new Applications.xml, moduleDefinition.xml, and SQL scripts are stored only in the Enterprise Designer directory. It is recommended to back them up periodically.*

3.4.1 Concurrent Manager Request Function

The default SQL script template for Concurrent Manager Request has 100 identical input parameters for FND_REQUEST.SUBMIT_REQUEST. If you need to customize the input parameters for your generated script, the following tags can be used to specify the input parameters.

```
<Concurrent_Manager>path/file_name.sql</Concurrent_Manager>  
<Request_Param>parameter1</Request_Param>  
<Request_Param>parameter2</Request_Param>  
<Request_Param>parameter3</Request_Param>
```

3.4.2 Template DTD

The Data Type Definition (DTD) associated with the template XML file is shown below:

```

<!ELEMENT OPEN_INTERFACE (Initialize_Script?, Validation_Script?,
Utility_Script, Concurrent_Manager, Request_Param*,
Concurrent_Manager_Status?, Interface_Table+, Error_Handle?,
Pre_Required_Script*)>
<!-- Open interface name -->
<!ATTLIST OPEN_INTERFACE
    Name CDATA #REQUIRED
>
<!-- Oracle Manufacturing Version -->
<!ATTLIST OPEN_INTERFACE
    Version CDATA #REQUIRED
>
<!-- Application Suite -->
<!ATTLIST OPEN_INTERFACE
    Application_Suite CDATA #REQUIRED
>
<!-- Module Name -->
<!ATTLIST OPEN_INTERFACE
    Module CDATA #REQUIRED
>
<!-- utiltiy store procedure name at root level, this attribute is
optional
    if this attribute is specified, it will override the default
    name convention, which is derived from Name attribute of
OPEN_INTERFACE
-->
<!ATTLIST OPEN_INTERFACE
    Util_Name CDATA #IMPLIED
>
<!-- relative path to the sql script file for initialize package-->
<!ELEMENT Initialize_Script (#PCDATA)>
<!-- relative path to the sql script file for validation package -->
<!ELEMENT Validation_Script (#PCDATA)>
<!-- relative path to the sql script file for Utility package -->
<!ELEMENT Utility_Script (#PCDATA)>
<!-- relative path to the sql script file for concurrent manager
request function -->
<!ELEMENT Concurrent_Manager (#PCDATA)>
<!-- parmater description for concurrent manager request function --
>
<!ELEMENT Request_Param (#PCDATA)>
<!-- relative path to the sql script file for function to retrieve
concurrent manager request status -->
<!ELEMENT Concurrent_Manager_Status (#PCDATA)>
<!-- Oracle Open Interface table definition -->
<!ELEMENT Interface_Table (Validation_Script?, Interface_Table*)>
<!-- name for the oracle open interface table -->
<!ATTLIST Interface_Table
    Name CDATA #REQUIRED
>
<!-- name for SB staging table, this attribute is optional
    if this attribute is set, program will directly use
    its value as the SB staging table for this specific
interface
-->
<!ATTLIST Interface_Table
    SB_Name CDATA #IMPLIED
>
<!-- utiltiy store procedure name at specific interface level, this
attribute is optional

```

```
    if this attribute is specified, it will override the default name
    convention, which is
    derived from the specific interface name
-->
<!ATTLIST Interface_Table
    Util_Name CDATA #IMPLIED
>
<!-- Error handling definition -->
<!ELEMENT Error_Handle (Error_Table?, Error_PKG?)>
<!-- relative path to the sql script for creating error table -->
<!ELEMENT Error_Table (#PCDATA)>
<!-- relative path to the sql script for error handling -->
<!ELEMENT Error_PKG (#PCDATA)>
<!-- relative path to the sql script that need to be compiler in order
for other
    stored procedure to be compiled successfully -->
<!ELEMENT Pre_Required_Script (#PCDATA)>
```

3.5 Naming Conventions

Oracle Interface Name

The specific name for the Open Interface, which is specified in the XML file.

Short Table Name

The name used for the generated utility stored procedures, for each interface table. It is derived from the corresponding Oracle Interface Table name as follows:

- If the Oracle Interface Table name is longer than 23 characters, replace INTERFACE or IFACE_ALL with INT to form the short table name

(Since there is a limitation of 30 characters placed on the function/stored procedure name in Oracle, the Open Interface name specified in the XML file must be no more than 23 characters).

Stored Procedures

The utility stored procedure names are derived from the Short Table name, according to the following convention:

- Sb_XXX_<SHORT_TABLE_NAME>

Staging Table Node

The name of the staging table node is derived from the corresponding Oracle Interface Table name by adding the prefix **SB_** and truncating it to 30 characters, if necessary.

SQL File Name

If the SQL file is used to create a packaged stored procedure, the file name must be the same as the package name.

Concurrent Manager Request Function

The function name is derived from the Open Interface name specified in the XML, and has the form: FN_REQUEST_<ORACLE_INTERFACE_NAME>.

Using the Oracle Applications OTD Wizard

This chapter describes how to use the Oracle Applications Database Wizard to create Object Type Definitions (OTDs) based Oracle Applications tables for use in ICAN Projects.

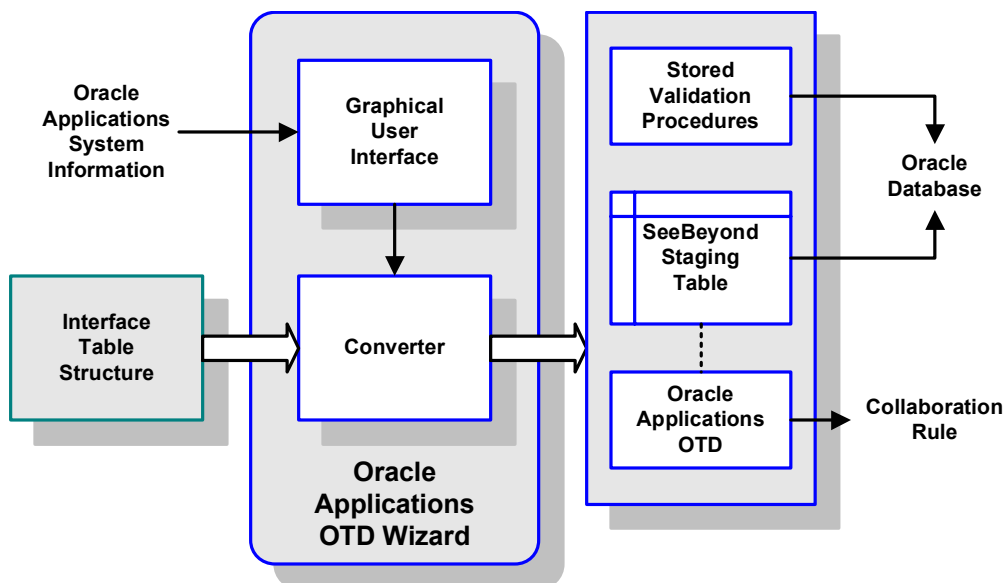
This chapter contains

- “Oracle Applications OTD Wizard Overview” on page 40
- “Creating OTDs” on page 41
- “Exposed OTD Nodes” on page 45

4.1 Oracle Applications OTD Wizard Overview

The Oracle Applications eWay uses a wizard-based OTD builder to create OTDs based on your Oracle tables. The wizard interrogates the Oracle tables to determine the hierarchies of the interface tables for a particular module, and creates a corresponding OTD. It also sets up the necessary staging table and the stored validation procedures to be run against the table.

Figure 7 Oracle Applications OTD Wizard



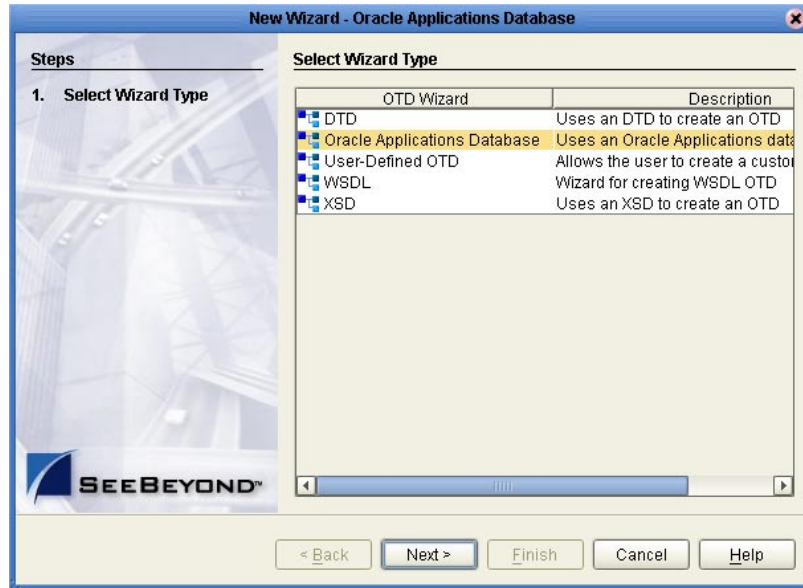
4.2 Creating OTDs

To create an OTD using the Oracle Applications Database Wizard

- 1 In the Enterprise Designer Project Explorer, right-click your Project, click **New**, and then click **Object Type Definition**.

The Object Type Definition Wizard appears.

Figure 8 Select Wizard Type



- 2 Click **Oracle Applications Database**, and then click **Next**.
- 3 Type the **Host Name**, **Port ID**, **SID**, **User name**, and **Password**, and click **Next**.

Table 2 Database Connection Information

Connection Information	Description
Host Name	The name or IP address of the Oracle server.
Port ID	The port on which the server is listening for connections.
SID	The Oracle System Identifier (SID).
User Name	The user name used to connect to the Oracle server.
Password	The password used to connect to the Oracle server.

Figure 9 Connect to Database

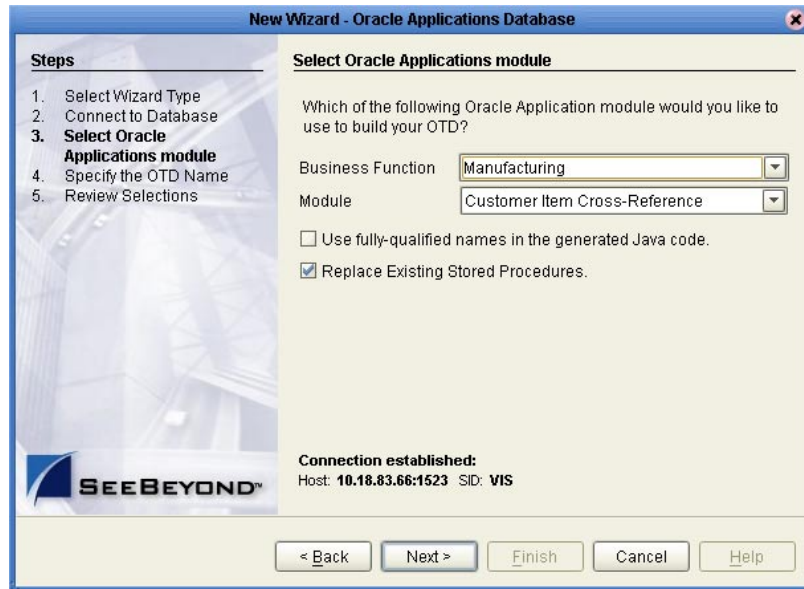


- 4 Select the Business Function and Module and choose whether to use fully-qualified names and to replace existing stored procedures.

Table 3 Select Oracle Applications module

Module Information	Description
Business Function	Currently Manufacturing is the only supported business function.
Module	The available modules in the Manufacturing business function are: <ul style="list-style-type: none"> ▪ Customer Item Cross-Reference ▪ Cycle Count Entries ▪ Item Transactions ▪ Customer Item ▪ Item Import ▪ Order Requisition ▪ Order Import ▪ Order Receiving ▪ Replenishment
Use fully-qualified names in the Java code	Specifies whether the generated Java code will use fully-qualified names.
Replace Existing Stored Procedures	Specifies to replace any existing stored procedures or stop the wizard if any stored procedures exist. You must select this option in order to continue with the wizard. Take care to back up any stored procedures you have modified before continuing with this wizard.

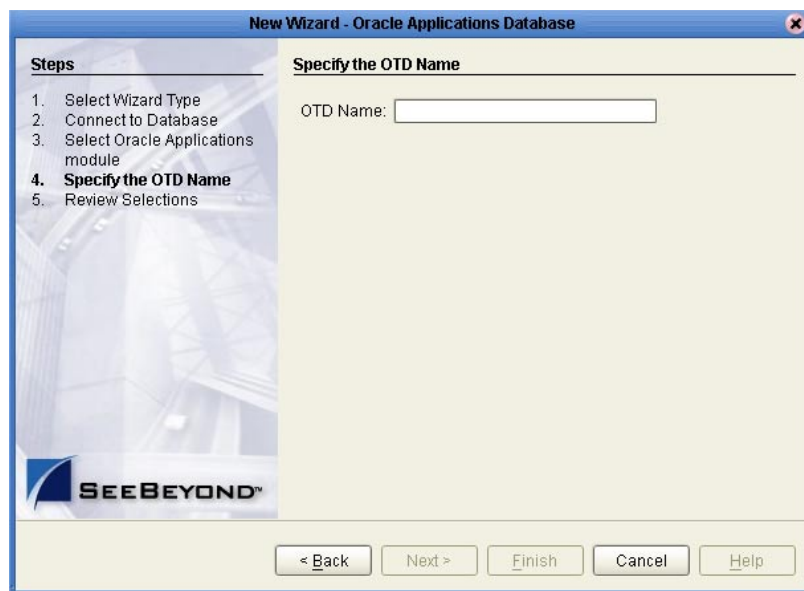
Figure 10 Select Oracle Applications module



Important: A set of stored procedures are installed with the Oracle eWay. Unless these stored procedures are somehow deleted, the only way to create the OTD is by selecting **Replace Existing Stored Procedures**. Otherwise, the existing stored procedures will not be overwritten, an error will appear, and the wizard will stop.

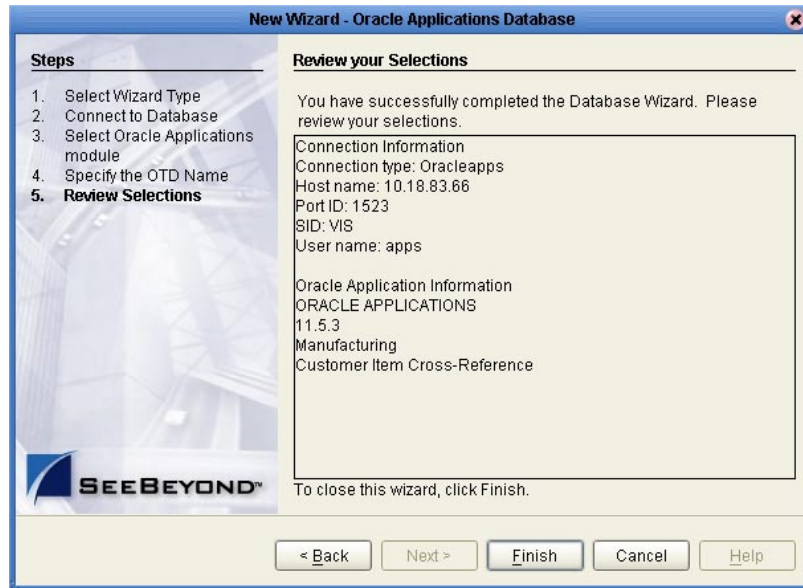
- 5 Type a name for the OTD that will be created, and click **Next**.

Figure 11 Specify the OTD Name



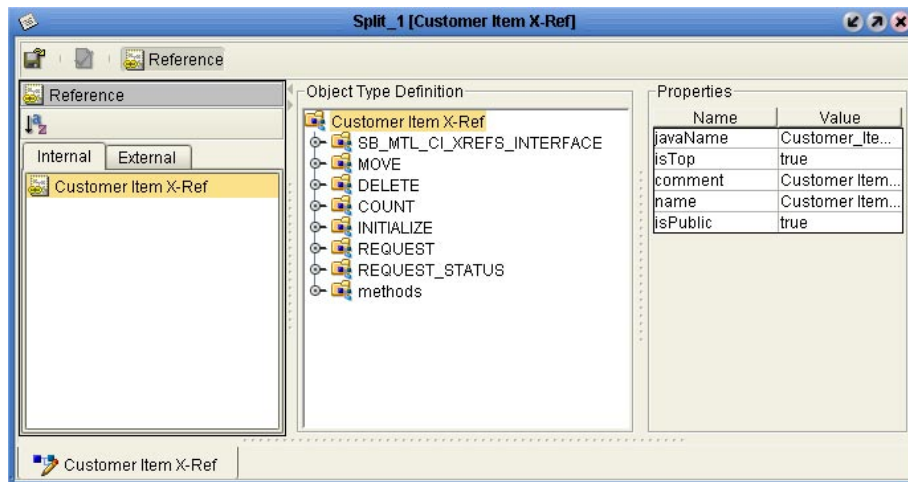
- 6 Click **Finish** to begin generating the OTD. Depending on the module you selected and your system performance, the OTD generation will run for a while before completing.

Figure 12 Review Your Selections



The generated OTD appears in the OTD Editor. Nodes and methods for your OTD will depend on the module you selected and the configuration of your tables.

Figure 13 Finished Object Type Definition



4.3 Exposed OTD Nodes

4.3.1 Staging Table Node

This node represents the SeeBeyond Staging Table created inside the Oracle database. All columns in the table are exposed, and can be dragged and dropped in the Java Collaboration. The node has a name of the form **SB_<Oracle_Interface_Table_name>** having a maximum length of 30 characters.

4.3.2 COUNT

Description

Stored procedures for both OTD level and interface tables level are defined in the utility package.

- If it is located at the OTD root level, it will count the data from *all* Staging Tables.
- If it is located at the Staging Table level, then it will count the data only for that specific Staging Table.

Parameters

Depends upon specific implementation. Typically, it contains at least four input VARCHAR parameters corresponding to:

- **sb_eway_id**
- **sb_group_id**
- **sb_object_id**

Note: If you do not assign a value (including the null value) to the above parameters, the procedure acts on all associated records.

- **sb_pass_or_fail**

This parameter accepts the following values:

- ♦ **P** – records that have passed
- ♦ **F** – for records that have failed
- ♦ **A** – all records

Requirements

The stored procedure name is derived from the Open Interface name or the Staging Table name, according to the following convention:

- At the root level:

If the **OPEN_INTERFACE** tab has a **Util_Name** attribute, then this value is used: **FN_CNT_<UTILNAME>**. Otherwise, the value of the attribute **Name** is used: **FN_CNT_<Open_Interface_Name>**.

For example:

- ◆ Customer Item: **FN_CNT_CUSTITEMS**
- ◆ Item Import: **FN_CNT_ITEM_IMPORT**
- At the staging table level:

If the **Interface_Table** tag has a **Util_Name** attribute, then this value is used: **FN_CNT_<UTILNAME>**. Otherwise, the short name of the **Name** attribute is used: **FN_CNT_<Short_Table_Name>**.

For example:

- ◆ Customer Item: **FN_CNT_MTL_CI_INTERFACE_INT**
- ◆ Item Import: **FN_CNT_MTL_SYSTEM_ITEMS_INT**

4.3.3 DELETE

Description

Stored procedures for both OTD level and interface level are defined in the utility package.

- If it is located at the OTD root level, it will delete the data from *all* Staging Tables.
- If it is located at the Staging Table level, then it will delete the data only for that specific Staging Table.

Parameters

Depends upon the specific implementation. Typically, it contains at least four input VARCHAR parameters corresponding to:

- **sb_eway_id**
- **sb_group_id**
- **sb_object_id**

Note: *If you do not assign a value (including the null value) to the above parameters, the procedure acts on all associated records.*

- **sb_pass_or_fail**

This parameter accepts the following values:

- ◆ **P** – records that have passed
- ◆ **F** – for records that have failed
- ◆ **A** – all records

Requirements

The stored procedure name is derived from the Open Interface name or the Staging Table name, according to the following convention:

- At the root level:

If the **OPEN_INTERFACE** tab has a **Util_Name** attribute, then this value is used: **SP_DEL<UTILNAME>**. Otherwise, the value of the attribute **Name** is used: **SP_DEL_<Open_Interface_Name>**.

For example:

- ◆ Customer Item: **SP_DEL_CUSTITEMS**
- ◆ Item Import: **SP_DEL_ITEM_IMPORT**
- At the staging table level:

If the **Interface_Table** tag has a **Util_Name** attribute, then this value is used: **SP_DEL_<UTILNAME>**. Otherwise, the short name of the **Name** attribute is used: **SP_DEL_<Short_Table_Name>**.

For example:

- ◆ Customer Item: **SP_DEL_MTL_CI_INTERFACE_INT**
- ◆ Item Import: **SP_DEL_MTL_SYSTEM_ITEMS_INT**

4.3.4 INITIALIZE

Description

This optional packaged stored procedure is used to initialize the user's profile for Oracle Applications.

Parameters

Depends upon the specific implementation. Typically, it takes the Organization ID as a parameter.

Requirements

Inside the script package, this stored procedure must have the name **Initialize_Profile**.

4.3.5 MOVE

Description

Stored procedures for both OTD level and interface tables level are defined in the utility package.

- If it is located at the OTD root level, it will copy the data from *all* SeeBeyond Staging Tables to the corresponding Oracle Interface Tables.
- If it is located at the Interface Table level, then it will copy the data for only that specific Staging Table to its corresponding Open Interface Table.

This procedure acts only on records with the ID values specified.

Parameters

Depends upon the specific implementation. Typically, it contains at least four input VARCHAR parameters corresponding to:

- **sb_eway_id**

- **sb_group_id**
- **sb_object_id**
- **sb_pass_or_fail**

This parameter accepts the following values:

- ♦ **P** – records that have passed
- ♦ **F** – for records that have failed
- ♦ **A** – all records

Requirements

The stored procedure name is derived from the Open Interface name or the Staging Table name, according to the following convention:

- At the root level:

If the **OPEN_INTERFACE** tag has a **Util_Name** attribute, then this value is used: **SP_MOV<UTILNAME>**. Otherwise, the value of the attribute **Name** is used: **SP_MOV_<Open_Interface_Name>**.

For example:

- ♦ Customer Item: **SP_MOV_CUSTITEMS**
- ♦ Item Import: **SP_MOV_ITEM_IMPORT**

- At the staging table level:

If the **Interface_Table** tag has a **Util_Name** attribute, then this value is used: **SP_MOV_<UTILNAME>**. Otherwise, the short name of the **Name** attribute is used: **SP_MOV_<Short_Table_Name>**.

For example:

- ♦ Customer Item: **SP_MOV_MTL_CI_INTERFACE_INT**
- ♦ Item Import: **SP_MOV_MTL_SYSTEM_ITEMS_INT**

4.3.6 REQUEST

Description

Concurrent Manager request function. This function is used to submit the concurrent management request to Oracle Applications.

Parameters

Depends upon specific implementation.

Requirements

The function name is derived from the Open Interface name specified in the SML, and has the form **FN_REQUEST_<ORACLE_INTERFACE_NAME>**.

4.3.7 REQUEST_STATUS

Description

Function used to retrieve the status of the Concurrent Manager request.

Parameters

- **INp_request_id** IN NUMBER
Request Id for the concurrent Manager; basically, the return value from REQUEST.
- **INp_interval_sec** IN NUMBER
The interval in seconds for the program to query for the result of a Concurrent Manager request.
- **INp_maximum_sec** IN NUMBER
The maximum allowed interval (in seconds) for the program to time out. This parameter *must* have a non-zero value.
- **OUTp_detailed_status** OUT VARCHAR2
Output parameter having the detailed description of the concurrent request.

Requirements

In order for **Request_Status** to correctly retrieve the Concurrent Manager request, you must call **commit** after the **Request** stored procedure call; otherwise, **Request_Status** will always return **Pending** status after a time-out.

4.3.8 VALIDATE

Description

This packaged stored procedure is used to perform the pre-validation of data in the Staging Table.

- If it is located at the OTD root level, it will validate the data in *all* Staging Tables.
- If it is located at the Staging Table level, it will validate the data only in that specific Staging Table.

Parameters

Depends upon specific implementation. By default, it contains three input VARCHAR parameters corresponding to:

- **sb_eway_id**
- **sb_group_id**
- **sb_object_id**
- **sb_pass_or_fail**

Requirements

Inside the script package, this stored procedure must have the name **VALIDATE**.

Working with the Sample Projects

This chapter explains how to load the sample Oracle Applications Project into your ICAN Repository and describes the process in which eGate exchanges data with the Oracle Applications system.

This chapter contains

- [“Working with the Oracle Applications Samples” on page 50](#)
- [“Exchanging Data with Oracle Applications” on page 51](#)
- [“Using the Order Import Sample” on page 53](#)
- [“Using the Order Import BPEL Sample” on page 64](#)

5.1 Working with the Oracle Applications Samples

The Oracle Applications eWay includes two samples. Both samples demonstrate reading records from input files, inserting these records into the appropriate Oracle Applications tables, and writing the results to the output file(s).

The first sample uses a Java Collaboration to exchange data with the Oracle Applications system. The results are written to two output files using file eWays. For complete instructions for installing and running Order Input sample, see [“Using the Order Import Sample” on page 53](#).

The second sample uses an eInsight BPEL business process to exchange the data with Oracle Applications. In this sample, the results are written to one output file. For complete instructions for installing and running Order Input BPEL sample, see [“Using the Order Import BPEL Sample” on page 64](#).

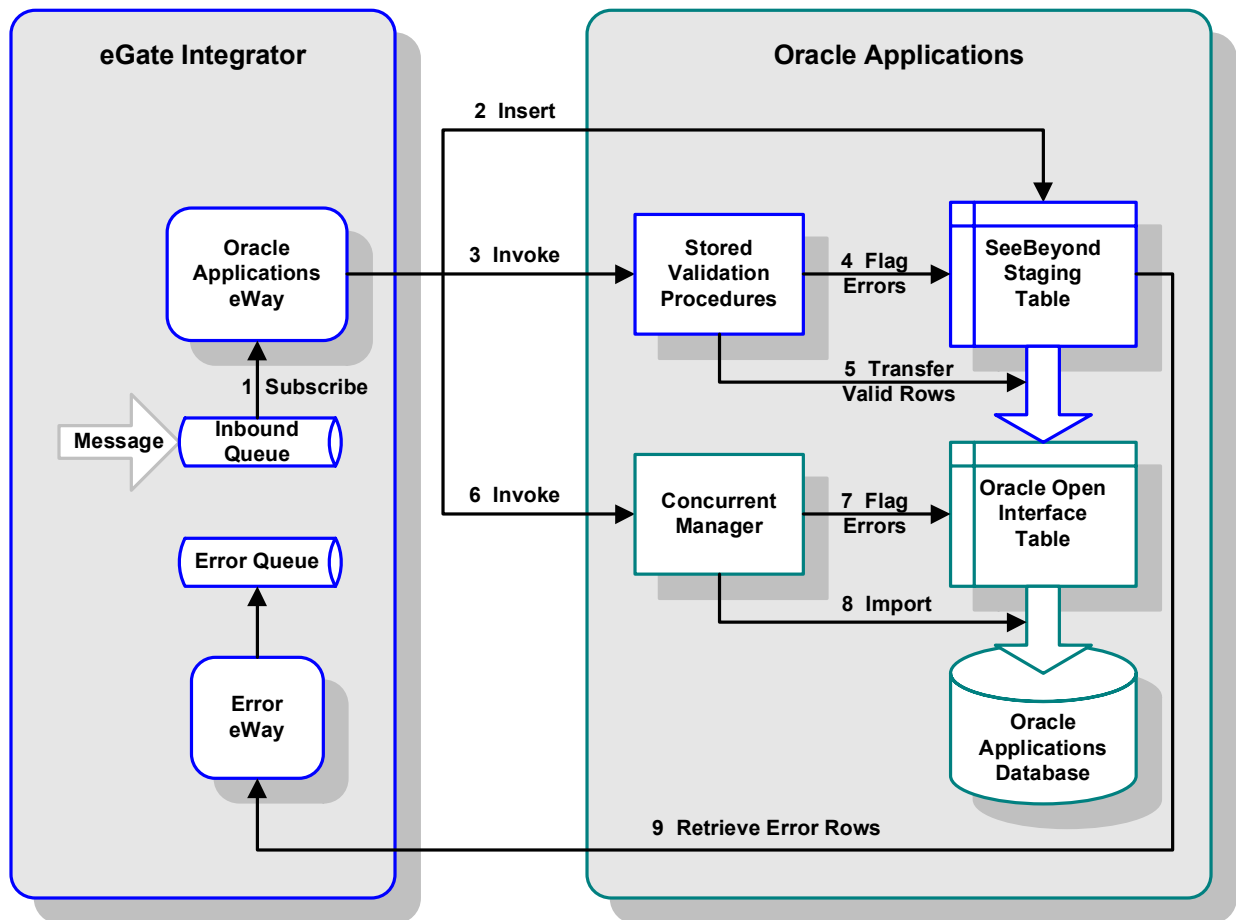
The following section provides a detailed description of how the Oracle Applications eWay exchanges data with the Oracle Applications system.

Important: *These Oracle Applications eWay samples were created with ICAN version 5.0.4 and can only be imported with ICAN 5.0.4 or greater.*

5.2 Exchanging Data with Oracle Applications

Figure 14 depicts the procedure followed to insert or update the Oracle Applications database with a message from some external system. The individual steps are described below.

Figure 14 ICAN to Oracle Operation



- 1 A Service in the Oracle Applications eWay subscribes to data, coming from some other system via eGate Integrator, and transforms the data into the proper format for inserting into the relevant Open Interface Table (OIT).
- 2 The Collaboration Definition Script inserts the data into a SeeBeyond Staging Table, corresponding to the relevant Open Interface Table (OIT). The SeeBeyond Staging Table mirrors the Open Interface Table structure, plus additional columns for the pre-validation status and ID values.
- 3 The Collaboration Definition Script calls a SeeBeyond stored procedure to pre-validate the rows in the SeeBeyond Staging Table.
- 4 The stored procedure executes whatever queries are required to pre-validate the data, and updates the specific error-code columns in the SeeBeyond Staging Table. When complete, each row in the staging table has been marked with a status

indicating whether or not it passed pre-validation. If not, the row's error code indicates the type of error including an explanation.

- 5 Depending on the business rules for the process, the eWay invokes a number of stored procedures to handle the rows in the SeeBeyond Staging Table (there is one set of such stored procedures per SeeBeyond Staging Table).

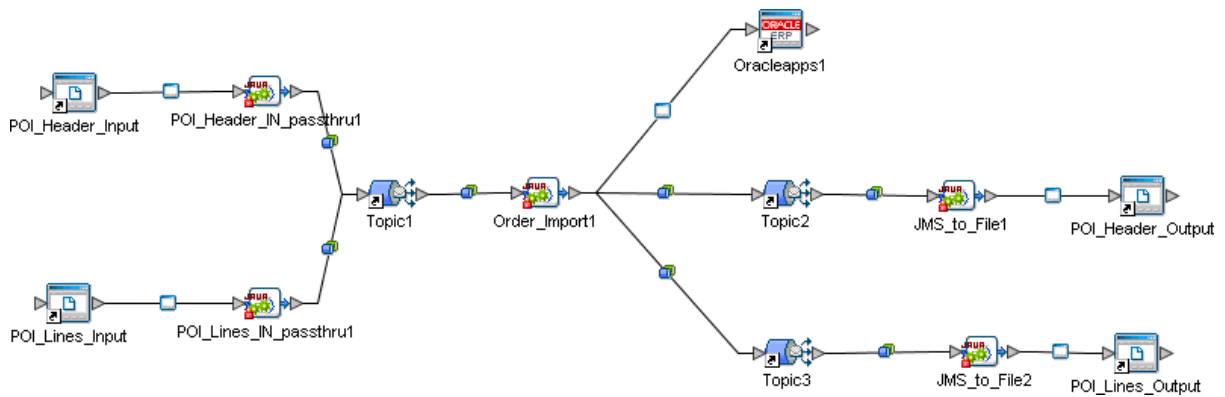
For example, depending on the business requirements,

- ♦ It could delete all invalid rows before proceeding to move valid rows to the Open Interface Table.
 - ♦ It could publish all invalid rows to another system (or allow them to be routed there by another eWay).
 - ♦ It could abort on finding one or more errors (if the business requirement is that all rows succeed or all rows fail).
- 6 After the valid records are copied from the staging tables to the Open Interface Tables, the eWay invokes the relevant Oracle Concurrent Manager.
 - 7 The Concurrent Manager performs its own validation of the data in the Open Interface Table.
 - 8 The Concurrent Manager then imports the data into the appropriate Oracle Manufacturing database tables.
 - 9 Prepared statements in the OTD are used to retrieve the invalid records from the staging tables, along with the ID values for the failed rows.

5.3 Using the Order Import Sample

The Order Import sample demonstrates the operation of the outbound Oracle Applications eWay by reading information from two files, writing the information to the appropriate Oracle Applications tables, and writing the results out to two output files.

Figure 15 The Order Import Sample



The two input files represent header and line item information for a sample order. This information would typically come from an external application via another eWay or from another upstream ICAN component.

Important: *These Oracle Applications eWay samples were created with ICAN version 5.0.4 and can only be imported with ICAN 5.0.4 or greater.*

Sample Project Overview

To work with this sample, you will import the project into your ICAN Repository, configure the components for your environment, and run the Project. To import, configure, and run the Order Import sample, you will follow these general steps:

- 1 Import the sample Project as described in [“Import the Order Import Sample” on page 55](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 56](#).
- 3 Configure each of the four file eWays as described in [“Configure the File eWays” on page 56](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 58](#).
- 5 Create and configure the Deployment Profile as described in [“Create the Deployment Profile” on page 59](#).
- 6 Configure the **Oracleapps1** eWay—the eWay that exchanges the data with Oracle Applications—as described in [“Configure the Oracleapps1 eWay” on page 61](#).

- 7 Deploy the Project's Deployment Profile as described in **"Activate the Project" on page 62.**
- 8 Configure the Logical Host's properties and start the bootstrap process as described in **"Run the Sample" on page 63.**
- 9 View the output data to see the results of running the Project as described in **"View the Output Data" on page 63.**

5.3.1 Import the Order Import Sample

To download the sample from the Enterprise Manager

- 1 From the **Documentation** page of your Enterprise Manager, click the link for the **Oracle Applications eWay Intelligent Adapter**.

The Oracle Applications documentation page appears.

- 2 Click **Download Sample**.
- 3 When you are prompted to open or save the file, click **Open**.

The sample .zip file opens in WinZip.

- 4 Use WinZip to extract the **Oracle_Applications_eWay_Sample.zip** files to a location on your local file system, such as **C:\ICAN_Samples\OraApps**. Make a note of where you extracted the files.

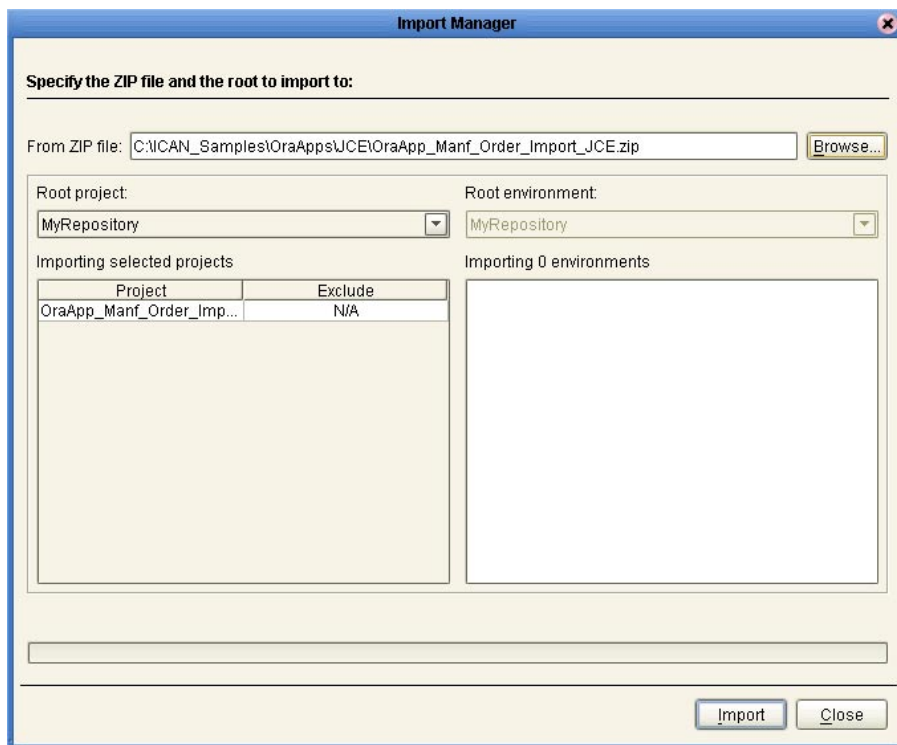
To import the sample in the Enterprise Designer

- 1 In the Enterprise Designer, right-click your Repository and click **Import**.
- 2 Click **Yes** to save any changes to your Repository.

The Import Manager appears.

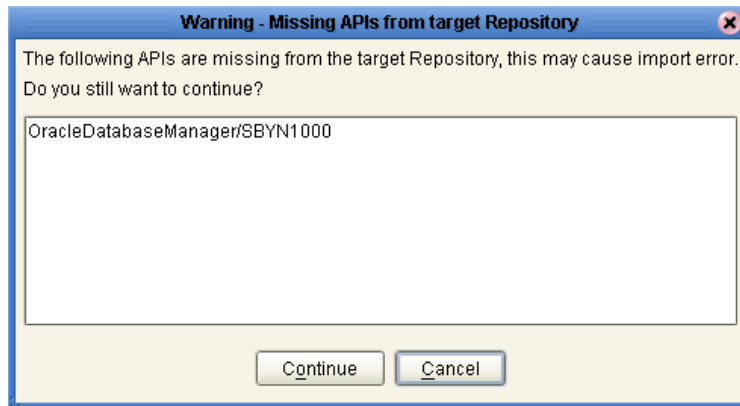
- 3 Click **Browse** and navigate to the location where you downloaded the sample files in step 4 of the previous procedure. In the **JCE** folder, select the **OraApp_Manf_Order_Import_JCE.zip** file and click **Open**.

Figure 16 Import Manager



- 4 In the Import Manager, click **Import**.
- 5 If you do not have the Oracle eWay installed, a warning will appear. This warning is not serious for this sample. Click **Continue**.

Figure 17 Missing API Warning



- 6 An import status message appears when the import completes successfully. Click **OK** to continue.
- 7 Click **Close** to close the Import Manager and refresh the repository.
The **OraApp_Manf_Order_Import_JCE** sample appears in the Enterprise Explorer pane of the Enterprise Designer.

5.3.2 Set up the Sample Data

The **POI_Header_Input** and **POI_Lines_Input** external systems use two input files to simulate a transaction to be sent to the Oracle Applications system. These files must be extracted from the sample .zip files and copied to a location to be used by the input File eWays.

To set up the sample data

- 1 In Windows Explorer, navigate to the location where you extracted the sample .zip files in step 4 of the [procedure on page 55](#); for example, **C:\ICAN_Samples\OraApps\JCE**.
- 2 Use WinZip to extract these files to a location where the two input file eWays can access them at run time, such as **C:\ICAN_Samples\OraApps\JCE\Input_Files**.
Make a note of this location for later use.

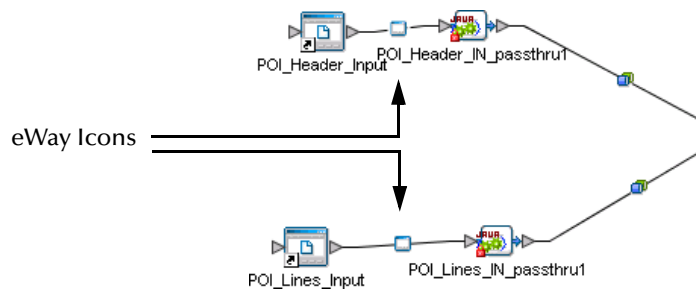
5.3.3 Configure the File eWays

To configure the file eWays

- 1 Before you can configure any of the components in the imported Project, you must first check them out of the Repository. To check out the Connectivity Map, right-click **CMap1**, click **Check Out**, and click **OK**.

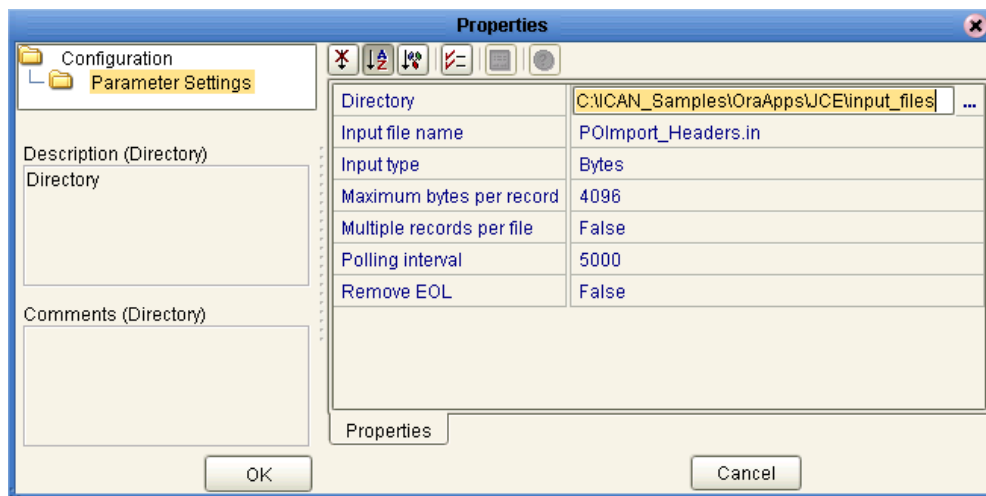
- 2 Double-click **CMap1** to display the Connectivity Map.
- 3 Double-click the eWay icon between the **POI_Header_Input** external and the **POI_Header_IN_passthru1** Service (the upper icon in the following figure) to edit the eWay's properties.

Figure 18 eWay Icons



- 4 In the **Directory** field, type the location where you extracted the sample input files in step 2 of the previous procedure.

Figure 19 Input File Directory



- 5 Click **OK** to save the changes to the eWay's properties.
- 6 Repeat steps 3 through 5, double-clicking the eWay icon between the **POI_Lines_Input** external and the **POI_Lines_IN_passthru1** Service (the lower icon shown in Figure 19).
- 7 Similarly configure the outbound file eWays to write the output files to appropriate location, such as **C:\ICAN_Samples\OraApps\JCE\output_files**.

5.3.4 Create the Environment

To create the Environment

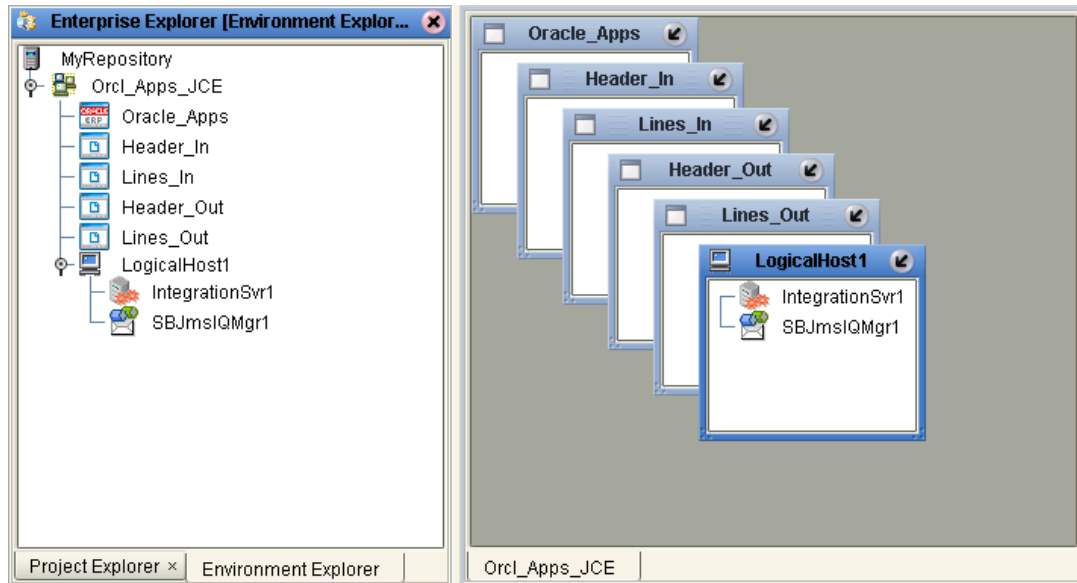
- 1 In the Environment Explorer tab of the Enterprise Explorer, right-click the Repository and click **New Environment**.
- 2 Right-click the new Environment and click **Rename**. Name the Environment **Orcl_Apps_JCE**.
- 3 Right-click the **Orcl_Apps_JCE** Environment and click **New Oracle Applications External System** with the following settings:
 - ◆ External System Name: **Oracle_Apps**
 - ◆ External System Type: **Outbound Oracle Applications eWay**
- 4 Right-click the **Orcl_Apps_JCE** Environment and click **New File External System**. Create four File External Systems with the following settings:

Table 4 File External Systems

Name	External System Type
Header_In	Inbound File eWay
Lines_In	Inbound File eWay
Header_Out	Outbound File eWay
Lines_Out	Outbound File eWay

- 5 Right-click the **Orcl_Apps_JCE** Environment and click **New Logical Host**. A new Logical Host—**LogicalHost1**—appears.
- 6 Right-click **LogicalHost1** and click **New SeeBeyond Integration Server**. A new Integration Server—**IntegrationSvr1**—appears.
- 7 Right-click **LogicalHost1** and click **New SeeBeyond JMS IQ Manager**. A new Integration Server—**SBJmsIQMgr1**—appears. The completed Environment should look like the one shown in the following figure.

Figure 20 Orcl_Apps_JCE Environment



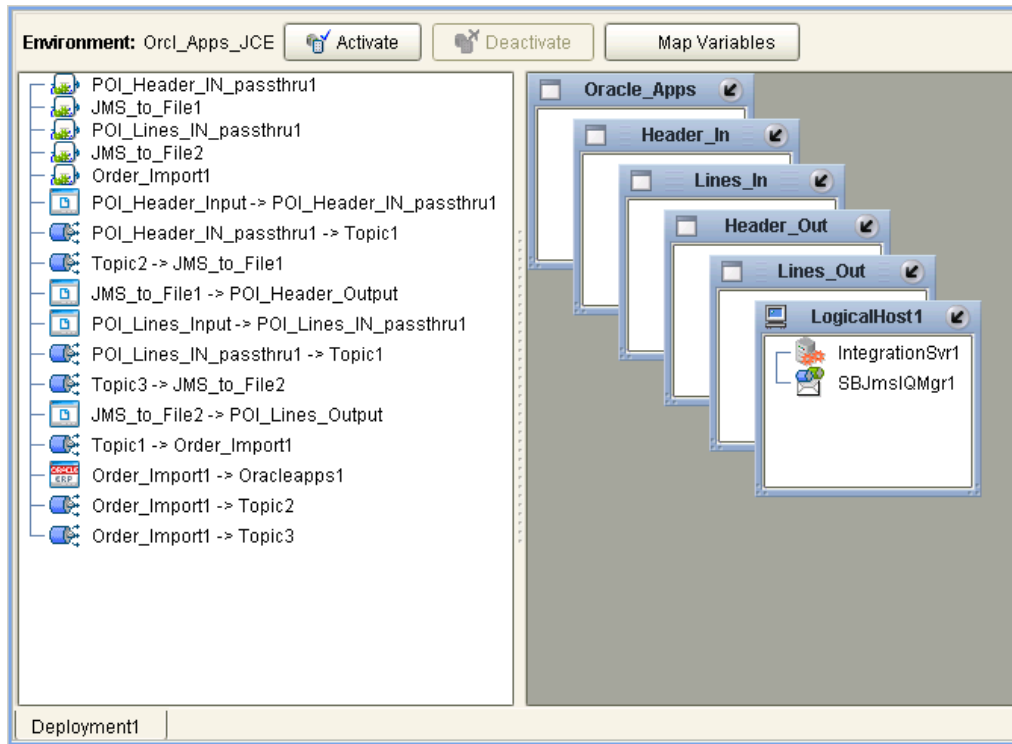
5.3.5 Create the Deployment Profile

To create the Deployment Profile

- 1 In the Project Explorer pane of the Enterprise Explorer, right-click the Project, click **New**, and click **Deployment Profile**.
- 2 Name the Deployment Profile **Deployment1**, select the **Orcl_Apps_JCE** Environment, and click **OK**.

The Deployment Profile displays all of the components to be deployed as well as the Logical Host and the external systems.

Figure 21 New Deployment Profile



- 3 Drag the components to their corresponding Logical Host or external systems as shown in the following figures (Figure 22 through Figure 27):

Figure 22 Oracle_Apps Deployment

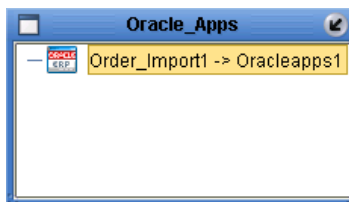


Figure 23 Header_In Deployment

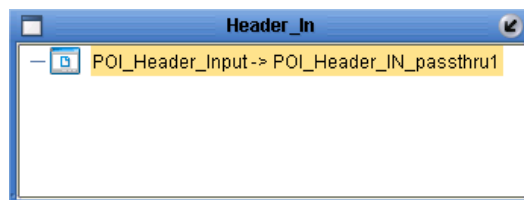


Figure 24 Lines_In Deployment

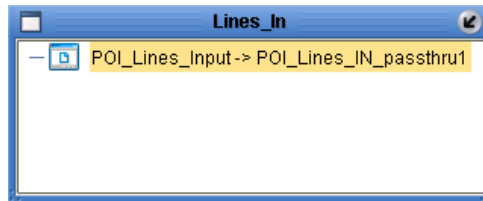


Figure 25 Header_Out Deployment

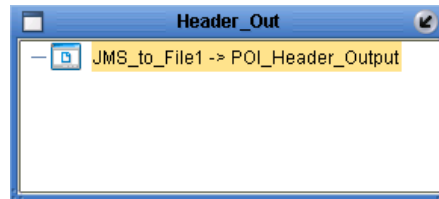


Figure 26 Lines_Out Deployment

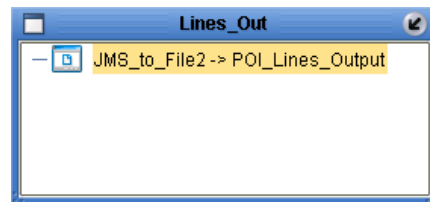
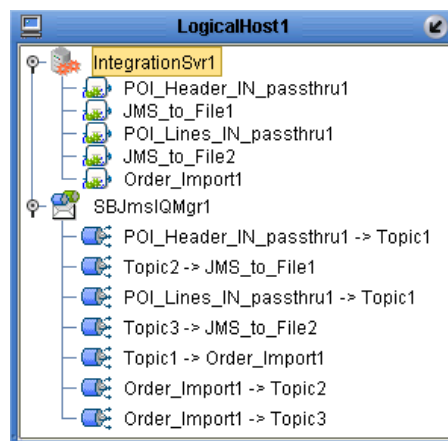


Figure 27 LogicalHost1 Deployment

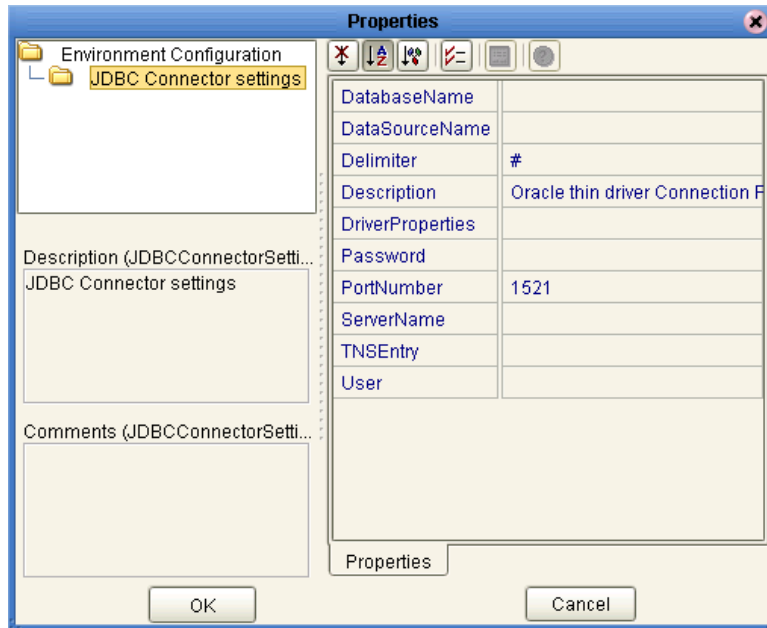


5.3.6 Configure the Oracleapps1 eWay

To configure the Oracleapps1 eWay

- 1 In the Environment Explorer tab of the Enterprise Explorer, right-click the **Oracleapps1** external application and click **Properties**.

Figure 28 The Oracleapps1 eWay



- 2 Enter the following information as appropriate for your Oracle Applications system:
 - ♦ **DatabaseName:** The system identifier (SID) for your Oracle Applications server
 - ♦ **Password:** The password for your Oracle Applications server
 - ♦ **PortNumber:** The port number that your Oracle Applications is listening on
 - ♦ **ServerName:** The machine name or IP address of your Oracle Applications server.
 - ♦ **User:** The user name for your Oracle Applications server
- 3 Click **OK** to save the properties for the **Oracleapps1** external application.

5.3.7 Activate the Project

To deploy the Project

- 1 In the Project Explorer tab of the Enterprise Explorer pane, double-click the **Deployment1** Deployment Profile.
The Deployment Profile appears.
- 2 Click **Activate** to begin the activation process.
- 3 When the activation success message appears, click **No** to avoid updating the Logical Host immediately. Since you have not yet run the Logical Host service, there is no active Logical Host for the Deployment to update.

5.3.8 Run the Sample

To start the Bootstrap process

- 1 From a Command Prompt, navigate to the Bootstrap bin directory for your Logical Host. For example, **C:\ican50\logicalhost\Bootstrap\bin**.
- 2 To start the Bootstrap service, type the following command:

```
Bootstrap -e Orcl_Apps_JCE -l LogicalHost1 -r repository_url  
-i username -p password
```

where

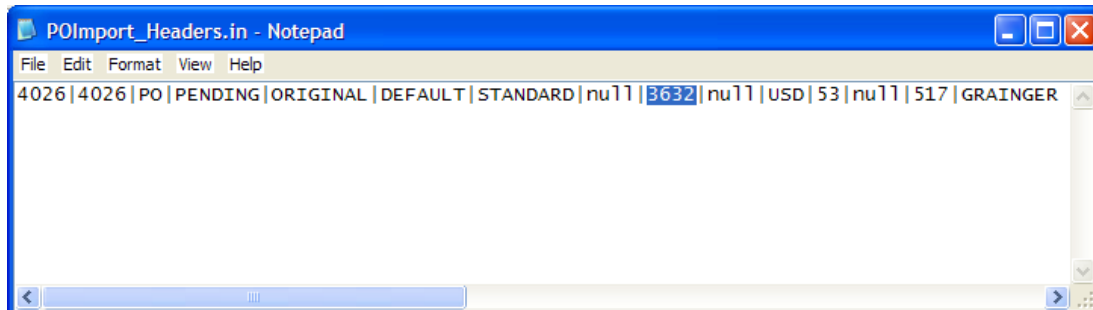
repository_url is the URL (including Repository name) for your Repository server. For example, **http://MyServer:15000/MyRepository**. Substitute the name and port for your Repository as well as the name of your Repository.

username/password are the user name and password for your Oracle Applications server.

Re-running the sample

Because the document number field in the back end database has a unique constraint, you will not be able to re-run the sample project without modifying the sample header input file (**POImport_Headers.in**). The Oracle database will not allow multiple records with the same document number to be inserted.

Figure 29 Input Header File – POImport_Headers.in



To update the header file, edit **POImport_Headers.in** and change the ninth field ("3632" in this example) to a unique number; for example, "3633".

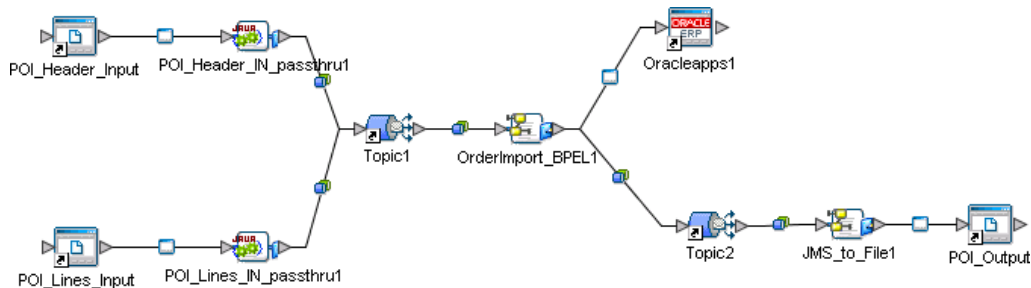
5.3.9 View the Output Data

After running the sample Project, navigate to the location where you configured the outbound file eWays to write the output files in step 7 of the [procedure on page 56](#). These files show the results of the Oracle Applications eWay in this sample Project.

5.4 Using the Order Import BPEL Sample

The Order Import BPEL sample Project is similar to the previous sample in that the sample uses two file eWays to simulate an inbound order and forwards the order to the Oracle Applications system. However, rather than using a Java Collaboration, the BPEL sample uses an eInsight business process to exchange data with the Oracle Applications system. Additionally, the results are written to one output file rather than two.

Figure 30 The Order Import BPEL Sample



Important: These Oracle Applications eWay samples were created with ICAN version 5.0.4 and can only be imported with ICAN 5.0.4 or greater.

Sample Project Overview

This document does not cover the Order Import BPEL sample in the same level of detail as the previous sample. This section assumes that you have already read and worked through the Order Sample. This section provides the information you need to import, configure, and run the Order Import BPEL Sample:

- 1 Import the sample Project as described in [“Import the Order Import BPEL Sample” on page 65](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 65](#).
- 3 Configure each of the three file eWays as described in [“Configure the File eWays” on page 65](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 66](#).
- 5 Create and configure the Deployment Profile as described in [“Create the Deployment Profile” on page 66](#).
- 6 Configure the Oracleapps1 eWay—the eWay that exchanges the data with the Oracle Applications—as described in [“Configure the Oracleapps1 eWay” on page 67](#).
- 7 Deploy the Project’s Deployment Profile as described in [“Activate the Project” on page 67](#).

- 8 Configure the Logical Hosts's properties and start the bootstrap process as described in **“Run the Sample” on page 67**.
- 9 View the output data to see the results of running the Project as described in **“View the Output Data” on page 67**.

5.4.1 Import the Order Import BPEL Sample

The process of importing the sample files for this Project is the same as that of the previous sample.

The name of the Project file to import is:

- **OraApp_Manf_Order_Import_BPEL.zip**

Look for this file in the location where you downloaded the sample files in step 4 of **procedure on page 55**. For example, **C:\ICAN_Samples\OraApps\BPEL**.

A message may appear warning you that you do not have the Oracle eWay installed. This warning is not critical for this sample Project.

5.4.2 Set up the Sample Data

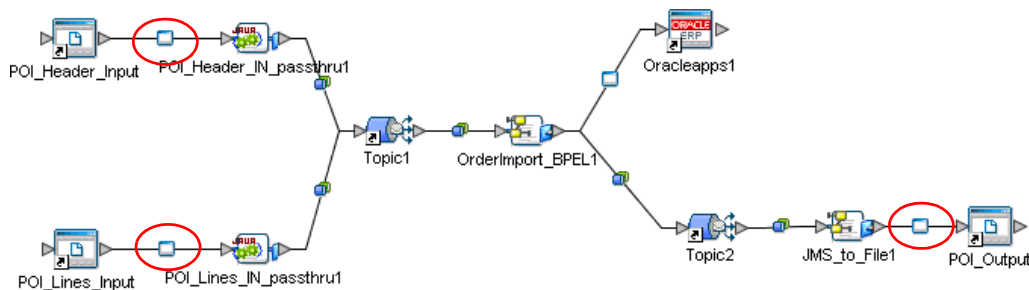
Use Windows Explorer to extract the input files (**input_files.zip**) to a convenient location; for example, **C:\ICAN_Samples\OraApps\BPEL\input_files**. Also create a directory for the output files; for example, **C:\ICAN_Samples\OraApps\BPEL\output**.

Make a note of the location where you extracted these files.

5.4.3 Configure the File eWays

In the Connectivity Map, Configure the two inbound file eWays and the outbound file eWay. For each of these eWays, enter the directory where the eWay should read the input or write the output.

Figure 31 The File eWays



5.4.4 Create the Environment

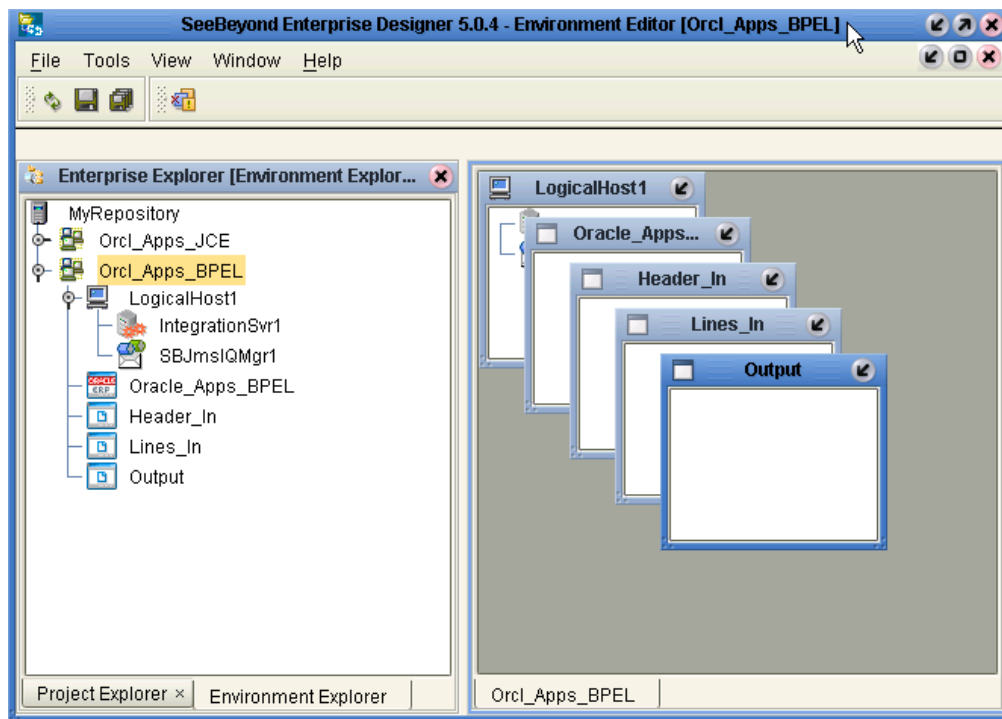
In the Environment Explorer, create a new Environment and add the following items:

Table 5 Orcl_Apps_BPEL Environment

Item Name	Type
LogicalHost1	Logical Host
IntegrationSvr1	SeeBeyond Integration Server
SBJmslQMgr	SeeBeyond JMS IQ Manager
Oracle_Apps_BPEL	Outbound Oracle Applications eWay
Header_In	Inbound File eWay
Lines_In	Inbound File eWay
Output	Outbound File eWay

The Environment should look like the one in the following diagram.

Figure 32 Orcl_Apps_BPEL Environment



5.4.5 Create the Deployment Profile

In the Project Explorer, create a new Deployment Profile and configure the components similar to those shown in Figures 22 through 27—skipping figure 26, since there is only one outbound file eWay.

5.4.6 Configure the Oracleapps1 eWay

In the Environment Explorer, configure the Oracleapps1 eWay the same way it is configured in [“Configure the Oracleapps1 eWay” on page 61](#).

5.4.7 Activate the Project

Similarly, use the same steps shown in [“Configure the Oracleapps1 eWay” on page 61](#) to activate the Project.

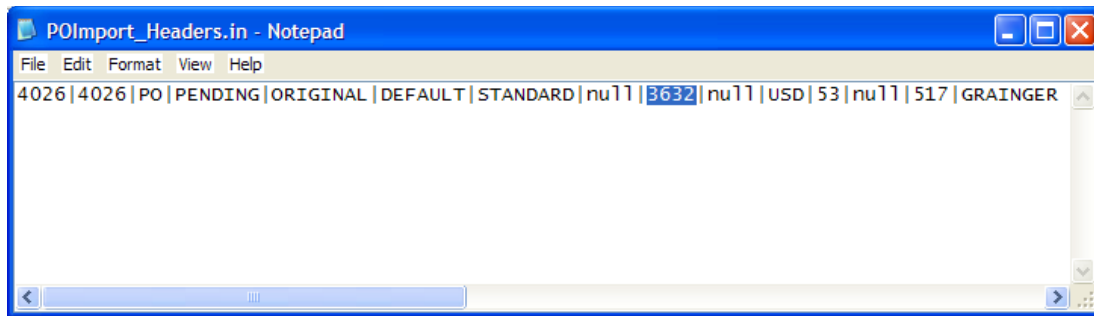
5.4.8 Run the Sample

Follow the same steps as in [“Run the Sample” on page 63](#) to run the Bootstrap process and start the Logical Host.

Re-running the sample

Because the document number field in the back end database has a unique constraint, you will not be able to re-run the sample project without modifying the sample header input file (**POImport_Headers.in**). The Oracle database will not allow multiple records with the same document number to be inserted.

Figure 33 Input Header File – POImport_Headers.in



To update the header file, edit **POImport_Headers.in** and change the ninth field (“3632” in this example) to a unique number; for example, “3633”.

5.4.9 View the Output Data

After running the sample Project, navigate to the location where you configured the outbound file eWay to write the output file in [“Configure the File eWays” on page 56](#). This file shows the results of the Oracle Applications eWay in this sample Project.

Validation Scripts

This chapter provides a brief description of each of the validation scripts, including the error codes returned by the scripts. A description of the validation process is found in [“Pre-Validation Process” on page 23](#). Descriptions of the error codes themselves are listed in [“Error Codes” on page 115](#).

Chapter topics

- [“Inventory” on page 69](#)
 - ♦ [“Customer Items” on page 69](#)
 - ♦ [“Customer Item Cross-Reference” on page 71](#)
 - ♦ [“Cycle Count Entries” on page 73](#)
 - ♦ [“Items” on page 75](#)
 - ♦ [“Item Revisions” on page 81](#)
 - ♦ [“Replenishment” on page 82](#)
 - ♦ [“Transactions” on page 86](#)
- [“Purchase Order” on page 90](#)
 - ♦ [“Import” on page 90](#)
 - ♦ [“Receiving” on page 99](#)
 - ♦ [“Requisitions” on page 108](#)

A.1 Inventory

A.1.1 Customer Items

Table 1 sb_validate_cust_items_pkg

Validation Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Commodity_Active	Checks for valid values in column Commodity_Code and its status in table sb_mtl_ci_interface.	SB-INVCIT-25316
Perform_Other_Validations/ Check_Container_Org_Code	Checks for valid values in column Container_Org_Code in table sb_mtl_ci_interface.	SB-INVCIT-25319
Perform_Other_Validations/ Check_Container_Org_Id	Checks for valid values in column Container_Org_Id in table and its status sb_mtl_ci_interface.	SB-INVCIT-25317
Perform_Other_Validations/ Check_Container_Org_Name	Checks for valid values in column Container_Org_Name in table sb_mtl_ci_interface.	SB-INVCIT-25320
Perform_Other_Validations/ Check_Demand_Tolerance_Pstv	Checks for valid values in column Demand_Tolerance_Positive in table sb_mtl_ci_interface.	SB-INVCIT-25321
Perform_Other_Validations/ Check_Demand_Tolerance_Ngtv	Checks for valid values in column Demand_Tolerance_Negative in table sb_mtl_ci_interface.	SB-INVCIT-25322
Perform_Other_Validations/ Check_Dep_Plan_Build_Flag	Checks for valid values in column Departure_Plan_Build_Flag in table sb_mtl_ci_interface.	SB-INVCIT-25325
Perform_Other_Validations/ Check_Dep_Plan_Flags	Checks for valid values in combined Departure_Plan_Flags in table sb_mtl_ci_interface.	SB-INVCIT-25326
Perform_Other_Validations/ Check_Dep_Plan_Reqd_Flag	Checks for valid values in column Departure_Plan_Required_Flag in table sb_mtl_ci_interface.	SB-INVCIT-25324
Perform_Other_Validations/ Check_Inactive_Flag	Checks for valid values in column Inactive_Flag in table sb_mtl_ci_interface.	SB-INVCIT-25318
Perform_Other_Validations/ Check_Min_Fill_Percent	Checks for valid values in column Minimum_Fill_Percentage in table sb_mtl_ci_interface.	SB-INVCIT-25323
Validate_Foreign_Key_Checks/ Check_Address_Valid	Checks for valid values in foreign key column Address_ID in table sb_mtl_ci_interface.	SB-INVCIT-25313
Validate_Foreign_Key_Checks/ Check_Customer_Id	Checks for valid values in foreign key column Customer_Id in table sb_mtl_ci_interface.	SB-INVCIT-25310

Table 1 sb_validate_cust_items_pkg (Continued)

Validation Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Customer_No	Checks for valid values in foreign key column Customer_Number in table sb_mtl_ci_interface.	SB-INVCIT-25311
Validate_Foreign_Key_Checks/ Check_Customer_Name	Checks for valid values in foreign key column Customer_Name in table sb_mtl_ci_interface.	SB-INVCIT-25312
Validate_Foreign_Key_Checks/ Check_Cust_Cat_Code	Checks for valid values in foreign key column Custcustomer_Category_Code in table sb_mtl_ci_interface.	SB-INVCIT-25314
Validate_Foreign_Key_Checks/ Check_Model_Cust_Item_Id	Checks for valid values in foreign key column Model_Customer_Item_Id in table sb_mtl_ci_interface.	SB-INVCIT-25315
Validate_Required_Columns/ Check_Address	Checks for the required field combination Address_Id and other address detail columns in table sb_mtl_ci_interface.	SB-INVCIT-25305
Validate_Required_Columns/ Check_Commodity	Checks for the required field combination Commodity_Code/Id columns in table sb_mtl_ci_interface.	SB-INVCIT-25307
Validate_Required_Columns/ Check_Container_Item	Checks for the required field combination Container_Item_Id/Code/Name in table sb_mtl_ci_interface.	SB-INVCIT-25308
Validate_Required_Columns/ Check_Customer	Checks for the required field combination Customer_Id/Name/Number in table sb_mtl_ci_interface.	SB-INVCIT-25304
Validate_Required_Columns/ Check_Cust_Item_Number	Checks for the required field Customer_Item_Number in table sb_mtl_ci_interface.	SB-INVCIT-25301
Validate_Required_Columns/ Check_Cust_Category	Checks for the required field combination Customer_Category/Code in table sb_mtl_ci_interface.	SB-INVCIT-25306
Validate_Required_Columns/ Check_Item_Def_Level	Checks for the required field Item_Def_Level in table sb_mtl_ci_interface.	SB-INVCIT-25303
Validate_Required_Columns/ Check_Model_Cust_Item	Checks for the required field combination Model_Customer_Item_Id/Number in table sb_mtl_ci_interface.	SB-INVCIT-25309
Validate_Required_Columns/ Check_Transaction_Type	Checks for the required field Transaction_Type in table sb_mtl_ci_interface.	SB-INVCIT-25302

A.1.2 Customer Item Cross-Reference

Table 2 sb_validate_ci_xrefs_pkg

Validation Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Inactive_Flag	Checks for valid values in column Inactive_Flag in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22624
Perform_Other_Validations/ Update_Fixed_Values	Checks for valid values in column Fixed_Values in table sb_mtl_ci_xrefs_interface.	N/A
Validate_Foreign_Keys/ Check_Customer_Id	Checks for valid values in foreign key column Customer_Id in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22616
Validate_Foreign_Keys/ Check_Customer_No	Checks for valid values in foreign key column Customer_No in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22617
Validate_Foreign_Keys/ Check_Customer_Name	Checks for valid values in foreign key column Customer_Name in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22618
Validate_Foreign_Keys/ Check_Address_Valid	Checks for valid values in foreign key column Address_Valid in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22619
Validate_Foreign_Keys/ Check_Cust_Cat_Code	Checks for valid values in foreign key column Cust_Cat_Code in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22620
Validate_Foreign_Keys/ Check_Customer_item_id	Checks for valid values in foreign key column Customer_item_id in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22621
Validate_Foreign_Keys/ Check_Master_Organization_id	Checks for valid values in foreign key column Master_Organization_id in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22622
Validate_Foreign_Keys/ Check_Inventory_Item_id	Checks for valid values in foreign key column Inventory_Item_id in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22623
Validate_Required_Columns/ Check_Process_flag	Checks for non-null entry in field Process_flag in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22601
Validate_Required_Columns/ Check_Process_mode	Checks for non-null entry in field Process_mode in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22602
Validate_Required_Columns/ Check_Last_update_date	Checks for non-null entry in field Last_update_date in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22603
Validate_Required_Columns/ Check_Last_updated_by	Checks for non-null entry in field Last_updated_by in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22604

Table 2 sb_validate_ci_xrefs_pkg (Continued)

Validation Sub-Routine	Purpose	Error Code
Validate_Required_Columns/ Check_creation_date	Checks for non-null entry in field creation_date in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22605
Validate_Required_Columns/ Check_created_by	Checks for non-null entry in field created_by in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22606
Validate_Required_Columns/ Check_Transaction_Type	Checks for non-null entry in field Transaction_Type in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22607
Validate_Required_Columns/ Check_Cust_Item_Number	Checks for non-null entry in field Customer_Item_Number in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22608
Validate_Required_Columns/ Check_Preference_Number	Checks for non-null entry in field Preference_Number in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22609
Validate_Required_Columns/ Check_Inactive_flag	Checks for non-null entry in field Inactive_flag in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22610
Validate_Required_Columns/ Check_Lock_flag	Checks for non-null entry in field Lock_flag in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22611
Validate_Required_Columns/ Check_Cust_Category	Checks for non-null entry in field Customer_Category in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22612
Validate_Required_Columns/ Check_Address	Checks for non-null entry in field Customer_Address in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22613
Validate_Required_Columns/ Check_Item_Def_Level	Checks for non-null entry in field Item_Def_Level in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22614
Validate_Required_Columns/ Check_Customer	Checks for the required field combination Customer_Id/Name/Number in table sb_mtl_ci_xrefs_interface.	SB-INVCCR-22615

A.1.3 Cycle Count Entries

Table 3 sb_validate_cc_entries_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Delete_Flag	Checks for valid values in delete_flag in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23334
Perform_Other_Validations/ Check_EMPLOYEE_ID	Checks for valid values in columns employee_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23330
Perform_Other_Validations/ Check_Lock_Flag	Checks for valid values in Lock_Flag in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23335
Perform_Other_Validations/ Check_Process_Flag	Checks for valid values in Process_Flag in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23336
Perform_Other_Validations/ Check_Process_Mode	Checks for valid values in Process_Mode in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23337
Perform_Other_Validations/ Check_Project_ID	Checks for valid values in columns project_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23331
Perform_Other_Validations/ Check_Status_Flag	Checks for valid values in Status_Flag in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23338
Perform_Other_Validations/ Check_Task_ID	Checks for valid values in task_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23332
Perform_Other_Validations/ Check_Valid_Flag	Checks for valid values in valid_flag in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23333
Validate_Foreign_Key_Checks/ Check_Adjustment_Account_ID	Checks for valid values in foreign key column adjustment_account_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23310
Validate_Foreign_Key_Checks/ Check_Count_Unit_Of_Measure	Checks for valid values in foreign key column count_of UOM in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23321
Validate_Foreign_Key_Checks/ Check_Count_UOM	Checks for valid values in foreign key column count_UOM_code in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23322
Validate_Foreign_Key_Checks/ Check_Cycle_Count_Entry_ID	Checks for valid values in foreign key column cycle_count_entry_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23311
Validate_Foreign_Key_Checks/ Check_Cycle_Count_Header_ID	Checks for valid values in foreign key column cycle_count_header_id in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23312
Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID	Checks for valid values in foreign key column Inventory_Item_ID in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23319
Validate_Foreign_Key_Checks/ Check_Organization_ID	Checks for valid values in foreign key column Organization_ID in sb_mtl_cc_entries_interface table.	SB-INVCCCE-23316

Table 3 sb_validate_cc_entries_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Locator_ID	Checks for valid values in foreign key column Locator_ID in sb_mtl_cc_entries_interface table.	SB-INVCCE-23313
Validate_Foreign_Key_Checks/ Check_Lot_Number	Checks for valid values in foreign key column Lot_Number in sb_mtl_cc_entries_interface table.	SB-INVCCE-23315
Validate_Foreign_Key_Checks/ Check_Revision	Checks for valid values in foreign key column Revision in sb_mtl_cc_entries_interface table.	SB-INVCCE-23314
Validate_Foreign_Key_Checks/ Check_Serial_Number	Checks for valid values in foreign key column Serial_Number in sb_mtl_cc_entries_interface table.	SB-INVCCE-23318
Validate_Foreign_Key_Checks/ Check_SubInventory	Checks for valid values in foreign key column Subinventory in sb_mtl_cc_entries_interface table.	SB-INVCCE-23317
Validate_Foreign_Key_Checks/ Check_Transaction_Reason_ID	Checks for valid values in foreign key column Transaction_Reason_ID in sb_mtl_cc_entries_interface table.	SB-INVCCE-23320
Validate_Required_Columns/ Check_Action_Code	Checks for the required field Action_Code in sb_mtl_cc_entries_interface table.	SB-INVCCE-23303
Validate_Required_Columns/ Check_CC_Entry_Interface_ID	Checks for the required field CC_entry_interface_ID in sb_mtl_cc_entries_interface table.	SB-INVCCE-23301
Validate_Required_Columns/ Check_Employee_ID	Checks for the required field Employee_ID in sb_mtl_cc_entries_interface table.	SB-INVCCE-23304
Validate_Required_Columns/ Check_Organization_ID	Checks for the required field Organization_ID in sb_mtl_cc_entries_interface table.	SB-INVCCE-23302

A.1.4 Items

Table 4 sb_validate_items_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Accounting_Period	Derives Acct_period_id from org_acct_periods table.	N/A
Perform_Other_Validations/ Check_Allowed_Units_Code	Checks for valid values in column Allowed_Units_Code of table sb_mtl_system_items_interface.	SB-INVITM-21373
Perform_Other_Validations/ Check_Assembly_Pegging_Flag	Checks for valid values in column Assembly_pegging_flag of table sb_mtl_system_items_interface.	SB-INVITM-21347
Perform_Other_Validations/ Check_ATP_Components_Flag	Checks for valid values in column ATP_components_flag of table sb_mtl_system_items_interface.	SB-INVITM-21331
Perform_Other_Validations/ Check_Auto_Created_Config_Flag	Checks for valid values in column Auto_Created_Config_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21361
Perform_Other_Validations/ Check_BOM_Enabled_Flag	Checks for valid values in column BOM_enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21323
Perform_Other_Validations/ Check_BOM_Item_Type	Checks for valid values in column BOM_Item_Type of table sb_mtl_system_items_interface.	SB-INVITM-21372
Perform_Other_Validations/ Check_Buildin_WIP_Flag	Checks for valid values in column Buidin_WIP_flag of table sb_mtl_system_items_interface.	SB-INVITM-21324
Perform_Other_Validations/ Check_Container_Item_Flag	Checks for valid values in column Container_Item_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21362
Perform_Other_Validations/ Check_Costing_Enabled_Flag	Checks for valid values in column Costing_Enabled_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21359
Perform_Other_Validations/ Check_Cust_Order_Flag	Checks for valid values in column customer_order_flag of table sb_mtl_system_items_interface.	SB-INVITM-21310
Perform_Other_Validations/ Check_Cust_Order_Enabled_Flag	Checks for valid values in column cust_order_enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21318
Perform_Other_Validations/ Check_Cycle_Count_Enabled_Flag	Checks for valid values in column Cycle_Count_Enabled_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21360
Perform_Other_Validations/ Check_Enabled_Flag	Checks for valid values in column enabled_flag in table sb_mtl_system_items_interface.	SB-INVITM-21307

Table 4 sb_validate_items_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_End_Assembly_Pegging_Flag	Checks for valid values in column End_Assembly_Pegging_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21347
Perform_Other_Validations/ Check_Eng_Item_Flag	Checks for valid values in column Eng_item_flag of table sb_mtl_system_items_interface.	SB-INVITM-21315
Perform_Other_Validations/ Check_Expense_Billable_Flag	Checks for valid values in column Expense_billable_flag of table sb_mtl_system_items_interface.	SB-INVITM-21338
Perform_Other_Validations/ Check_Int_Order_Flag	Checks for valid values in column Internal_order_flag of table sb_mtl_system_items_interface.	SB-INVITM-21311
Perform_Other_Validations/ Check_Int_Order_Enabled_Flag	Checks for valid values in column Internal_order_enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21319
Perform_Other_Validations/ Check_Invoice_Enabled_Flag	Checks for valid values in column Invoice_Enabled_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21356
Perform_Other_Validations/ Check_Invoice_Item_Flag	Checks for valid values in column Invoice_Item_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21355
Perform_Other_Validations/ Check_Inv_Asset_Flag	Checks for valid values in column inv_asset_flag of table sb_mtl_system_items_interface.	SB-INVITM-21316
Perform_Other_Validations/ Check_Inv_Item_Flag	Checks for valid values in column Inventory_item_flag of table sb_mtl_system_items_interface.	SB-INVITM-21314
Perform_Other_Validations/ Check_Inv_Planning_Code	Checks for valid values in column Inv_Planning_Code of table sb_mtl_system_items_interface.	SB-INVITM-21374
Perform_Other_Validations/ Check_Item_Desc_Upd_Flag	Checks for valid values in column Item_desc_upd_flag of table sb_mtl_system_items_interface.	SB-INVITM-21325
Perform_Other_Validations/ Check_List_Price_Unit	Checks for valid values in column List_price_unit of table sb_mtl_system_items_interface.	SB-INVITM-21336
Perform_Other_Validations/ Check_Location_Control_Code	Checks for valid values in column Location_Control_Code of table sb_mtl_system_items_interface.	SB-INVITM-21381
Perform_Other_Validations/ Check_Lot_Control_Code	Checks for valid values in column Lot_Control_Code of table sb_mtl_system_items_interface.	SB-INVITM-21366

Table 4 sb_validate_items_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Market_Price	Checks for valid values in column Market_price of table sb_mtl_system_items_interface.	SB-INVITM-21341
Perform_Other_Validations/ Check_Material_Billable_Flag	Checks for valid values in column Material_Billable_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21377
Perform_Other_Validations/ Check_MRP_Planning_Code	Checks for valid values in column MRP_Planning_Code of table sb_mtl_system_items_interface.	SB-INVITM-21380
Perform_Other_Validations/ Check_MRP_Safety_stock_Code	Checks for valid values in column MRP_Safety_stock_Code of table sb_mtl_system_items_interface.	SB-INVITM-21376
Perform_Other_Validations/ Check_MTL_Trans_Enabled_Flag	Checks for valid values in column MTL_trans_enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21321
Perform_Other_Validations/ Check_MustUse_ApprVendor_Flag	Checks for valid values in column Must_Use_Approved_Vendor_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21357
Perform_Other_Validations/ Check_Outside_Operation_Flag	Checks for valid values in column Outside_Operation_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21358
Perform_Other_Validations/ Check_Pick_Comps_Flag	Checks for valid values in column Pick_components_flag of table sb_mtl_system_items_interface.	SB-INVITM-21329
Perform_Other_Validations/ Check_Plan_Make_Buy_Code	Checks for valid values in column Plan_Make_Buy_Code of table sb_mtl_system_items_interface.	SB-INVITM-21375
Perform_Other_Validations/ Check_Plan_Time_Fence_Code	Checks for valid values in column Plan_Time_Fence_Code of table sb_mtl_system_items_interface.	SB-INVITM-21371
Perform_Other_Validations/ Check_Plan_Time_Fence_Days	Checks for valid values in column plan_time_fence_days of table sb_mtl_system_items_interface.	SB-INVITM-21328
Perform_Other_Validations/ Check_Post_Proc_Lead_Time	Checks for valid values in column post_proc_lead_time of table sb_mtl_system_items_interface.	SB-INVITM-21348
Perform_Other_Validations/ Check_Prevent_Maint_Flag	Checks for valid values in e column preventive_maintenance_flag of table sb_mtl_system_items_interface.	SB-INVITM-21352
Perform_Other_Validations/ Check_Price_Tolerance_pc	Checks for valid values in column Price_tolerance_percentage of table sb_mtl_system_items_interface.	SB-INVITM-21342

Table 4 sb_validate_items_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Prorate_Service_Flag	ChecksChecks for valid values in column prorate_service_flag of table sb_mtl_system_items_interface.	SB-INVITM-21354
Perform_Other_Validations/ Check_Purchase_Item_Flag	Checks for valid values in column purchase_item_flag of table sb_mtl_system_items_interface.	SB-INVITM-21308
Perform_Other_Validations/ Check_Pur_Enabled_Flag	Checks for valid values in column purchase_enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21317
Perform_Other_Validations/ Check_Rate_Decrease	Checks for valid values in column rate_decrease of table sb_mtl_system_items_interface.	SB-INVITM-21345
Perform_Other_Validations/ Check_Rate_Increase	Checks for valid values in column rate_increase of table sb_mtl_system_items_interface.	SB-INVITM-21346
Perform_Other_Validations/ Check_Receipt_Required_Flag	Checks for valid values in column Receipt_required_flag of table sb_mtl_system_items_interface.	SB-INVITM-21326
Perform_Other_Validations/ Check_Rep_Plan_Flag	Checks for valid values in column rep_plan_flag of table sb_mtl_system_items_interface.	SB-INVITM-21344
Perform_Other_Validations/ Check_Repl_To_Order_Flag	Checks for valid values in column Repl_to_order_flag of table sb_mtl_system_items_interface.	SB-INVITM-21330
Perform_Other_Validations/ Check_Reservable_Type	Checks for valid values in column Reservable_Type of table sb_mtl_system_items_interface.	SB-INVITM-21378
Perform_Other_Validations/ Check_Restrict_Locators_Code	Checks for valid values in column Restrict_Locators_Code of table sb_mtl_system_items_interface.	SB-INVITM-21370
Perform_Other_Validations/ Check_Return_Insp_Reqmt	Checks for valid values in column Return_Insp_Reqmt of table sb_mtl_system_items_interface.	SB-INVITM-21379
Perform_Other_Validations/ Check_RFQ_Reqd_Flag	Checks for valid values in column RFQ_required_flag of table sb_mtl_system_items_interface.	SB-INVITM-21327
Perform_Other_Validations/ Check_Service_Duration	Checks for valid values in column Service_duration of table sb_mtl_system_items_interface.	SB-INVITM-21340
Perform_Other_Validations/ Check_Service_Item_Flag	Checks for valid values in column Service_item_flag of table sb_mtl_system_items_interface.	SB-INVITM-21312

Table 4 sb_validate_items_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Service_Start_Delay	Checks for valid values in column service_start_delay of table sb_mtl_system_items_interface.	SB-INVITM-21313
Perform_Other_Validations/ Check_Serv_Comp_Flag	Checks for valid values in column Serv_comp_flag of table sb_mtl_system_items_interface.	SB-INVITM-21350
Perform_Other_Validations/ Check_Serv_Product_Flag	Checks for valid values in column Servi_product_flag duration of table sb_mtl_system_items_interface.	SB-INVITM-21351
Perform_Other_Validations/ Check_Shelf_Life	Checks for valid values in column shelf_life of table sb_mtl_system_items_interface.	SB-INVITM-21343
Perform_Other_Validations/ Check_Shelf_Life_Code	Checks for valid values in column Shelf_Life_Code of table sb_mtl_system_items_interface.	SB-INVITM-21367
Perform_Other_Validations/ Check_Ship_Item_Flag	Checks for valid values in column ship_item_flag of table sb_mtl_system_items_interface.	SB-INVITM-21309
Perform_Other_Validations/ Check_Ship_Model_Complete_Flag	Checks for valid values in column Ship_Model_Complete_flag of table sb_mtl_system_items_interface.	SB-INVITM-21353
Perform_Other_Validations/ Check_SI_No_Control_Code	Checks for valid values in column SI_No_Control_Code of table sb_mtl_system_items_interface.	SB-INVITM-21368
Perform_Other_Validations/ Check_SO_Trans_Flag	Checks for valid values in column SO_Trans_flag of table sb_mtl_system_items_interface.	SB-INVITM-21320
Perform_Other_Validations/ Check_Stock_Enabled_Flag	Checks for valid values in column Stock_Enabled_flag of table sb_mtl_system_items_interface.	SB-INVITM-21322
Perform_Other_Validations/ Check_Sub_Inv_Code	Checks for valid values in column Sub_Inv_Code of table sb_mtl_system_items_interface.	SB-INVITM-21369
Perform_Other_Validations/ Check_Summary_Flag	Checks for valid values in column Summary_flag in table sb_mtl_system_items_interface.	SB-INVITM-21306
Perform_Other_Validations/ Check_Taxable_Flag	Checks for valid values in column Taxable_flag of table sb_mtl_system_items_interface.	SB-INVITM-21337
Perform_Other_Validations/ Check_Time_Billable_Flag	Checks for valid values in column Time_Billable_flag of table sb_mtl_system_items_interface.	SB-INVITM-21339

Table 4 sb_validate_items_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Vehicle_Item_Flag	Checks for valid values in column Vehicle_Item_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21363
Perform_Other_Validations/ Check_Vendor_Warranty_Flag	Checks for valid values in column Vendor_Warranty_Flag of table sb_mtl_system_items_interface.	SB-INVITM-21349
Perform_Other_Validations/ Check_WIP_Supply_Type	Checks for valid values in column WIP_Supply_Type of table sb_mtl_system_items_interface.	SB-INVITM-21365
Validate_Foreign_Key_Checks/ Check_Cost_of_Sales_Act	Checks for valid values in column cost_of_sales_account of table sb_mtl_system_items_interface.	SB-INVITM-21332
Validate_Foreign_Key_Checks/ Check_Encumbrance_Account	Checks for valid values in column Encumbrance_account of table sb_mtl_system_items_interface.	SB-INVITM-21334
Validate_Foreign_Key_Checks/ Check_Expense_Account	Checks for valid values in column Expense_account of table sb_mtl_system_items_interface.	SB-INVITM-21335
Validate_Foreign_Key_Checks/ Check_Org_ID_Code	Checks for valid values in foreign key column organization_id in table sb_mtl_system_items_interface.	SB-INVITM-21364
Validate_Foreign_Key_Checks/ Check_Sales_Act_DSP	Checks for valid values in column sales_account of table sb_mtl_system_items_interface.	SB-INVITM-21333
Validate_Required_Columns/ Check_Item	Checks for the required field item_number in table sb_mtl_system_items_interface.	SB-INVITM-21302
Validate_Required_Columns/ Check_Item_Desc	Checks for the required field Item_Desc in table sb_mtl_system_items_interface.	SB-INVITM-21382
Validate_Required_Columns/ Check_Organization_Id	Checks for the required field organization_id in table sb_mtl_system_items_interface.	SB-INVITM-21301
Validate_Required_Columns/ Check_Process_Flag	Checks for the required field process_flag in table sb_mtl_system_items_interface.	SB-INVITM-21303
Validate_Required_Columns/ Check_Proc_Id	Checks for the required field set_process_id in table sb_mtl_system_items_interface.	SB-INVITM-21305
Validate_Required_Columns/ Check_Trans_Type	Checks for the required field Transaction_Type in table sb_mtl_system_items_interface.	SB-INVITM-21304

A.1.5 Item Revisions

Table 5 sb_validate_invrev_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Item_Number	Checks for valid values in column Item_Number in sb_mtl_item_revs_interface table.	SB-INVREV-22509
Perform_Other_Validations/ Check_Process_flag	Checks for valid values in column Process_flag in sb_mtl_item_revs_interface table.	SB-INVREV-22508
Validate_Foreign_Key_Checks/ Check_Change_Notice	Checks for valid values in foreign key column Change_Notice in sb_mtl_item_revs_interface table.	SB-INVREV-22504
Validate_Foreign_Key_Checks/ Check_Inventory_item_id	Checks for valid values in foreign key column Inventory_item_id in sb_mtl_item_revs_interface table.	SB-INVREV-22506
Validate_Foreign_Key_Checks/ Check_Organization_id	Checks for valid values in foreign key column Organization_id in sb_mtl_item_revs_interface table.	SB-INVREV-22505
Validate_Foreign_Key_Checks/ Check_Primary_key	Checks for valid values in foreign key column Primary_key in sb_mtl_item_revs_interface table.	SB-INVREV-22507
Validate_Required_Columns/ Check_Inventory_Item_Id	Checks for the field Inventory_Item_Id in sb_mtl_item_revs_interface table.	SB-INVREV-22501
Validate_Required_Columns/ Check_Organization_Id	Checks for the field Organization_Id in sb_mtl_item_revs_interface table.	SB-INVREV-22502
Validate_Required_Columns/ Check_Revision	Checks for the field Revision in sb_mtl_item_revs_interface table.	SB-INVREV-22503
Validate_Required_Columns/ Check_Set_process_ID	Checks for the field Set_process_ID in sb_mtl_item_revs_interface table.	SB-INVREV-22500

A.1.6 Replenishment

Master

Table 6 sb_validate_rep_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_REC/Validate	This is the main validation procedure of Replenishment Interface.	SB-INVREP-22430

Headers

Table 7 sb_validate_rep_hdrs_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Error_Flag	Checks for Error_Flag field in table mtl_replenish_headers_int.	SB-INVREP-22314
Perform_Other_Validations/ Check_Last_Update	Checks that value in field Last_updated_by is a valid user_id in fnd_user in table mtl_replenish_headers_int.	SB-INVREP-22319
Perform_Other_Validations/ Check_Lines	Checks that there is at least one line per Header in table mtl_replenish_headers_int.	SB-INVREP-22320
Perform_Other_Validations/ Check_Process_Mode	Checks that the value in field Process_Modes is 1, 2, or 3 in table mtl_replenish_headers_int.	SB-INVREP-22315
Perform_Other_Validations/ Check_Process_Status	Checks that the value in field Process_Status is 1, 2, 3, 4, or 5 in table mtl_replenish_headers_int.	SB-INVREP-22316
Perform_Other_Validations/ Check_Replenish_Header	Checks that the value in field Replenishment_header_id is unique for the base table in table mtl_replenish_headers_int.	SB-INVREP-22317
Perform_Other_Validations/ Check_Replenish_Count	Checks that the value in field Replenishment_Count_Name is unique for the base table for existing count headers in table mtl_replenish_headers_int.	SB-INVREP-22318
Validate_Foreign_Key_Checks/ Check_Organization_ID	Checks validity of value for Organization_ID in MTL_Parameters table in table mtl_replenish_headers_int.	SB-INVREP-22312

Table 7 sb_validate_rep_hdrs_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_SubInventory_Code	Checks validity of values for Organization_ID and SubInventory_Code in MTL_Secondary_Inventories table.	SB-INVREP-22313
Validate_Required_Columns/ Check_Count_Date	Checks for non-null entry in field Count_Date in table mtl_replenish_headers_int.	SB-INVREP-22303
Validate_Required_Columns/ Check_Created_By	Checks for non-null entry in field Check_Created_By in table mtl_replenish_headers_int.	SB-INVREP-22306
Validate_Required_Columns/ Check_Creation_Date	Checks for non-null entry in field Creation_Date in table mtl_replenish_headers_int.	SB-INVREP-22305
Validate_Required_Columns/ Check_Last_Update_Date	Checks for non-null entry in field Last_Update_Date in table mtl_replenish_headers_int.	SB-INVREP-22304
Validate_Required_Columns/ Check_Last_Updated_By	Checks for non-null entry in field Last_Updated_By in table mtl_replenish_headers_int.	SB-INVREP-22307
Validate_Required_Columns/ Check_Organization_ID	Checks for non-null entry in field Organization_ID in table mtl_replenish_headers_int.	SB-INVREP-22308
Validate_Required_Columns/ Check_Process_Mode	Checks for non-null entry in field Process_Mode in table mtl_replenish_headers_int.	SB-INVREP-22311
Validate_Required_Columns/ Check_Process_Status	Checks for non-null entry in field SubInventory_Code in table mtl_replenish_headers_int.	SB-INVREP-22310
Validate_Required_Columns/ Check_Replenishment_Count_Name	Checks for non-null entry in field Replenishment_Count_Name in table mtl_replenish_headers_int.	SB-INVREP-22302
Validate_Required_Columns/ Check_Replenishment_Header_ID	Checks for non-null entry in field Replenishment_Header_ID in table mtl_replenish_headers_int.	SB-INVREP-22301
Validate_Required_Columns/ Check_SubInventory_Code	Checks for non-null entry in field Last_Updated_By in table mtl_replenish_headers_int.	SB-INVREP-22309

Lines

Table 8 sb_validate_rep_lines_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Count_Type_Code	Checks that the value in field Count_Type_Code is 1, 2, or 3 in table mtl_replenish_lines_int.	SB-INVREP-22419
Perform_Other_Validations/ Check_Count_Type_Tracked	Checks that value in Count_Type_Code field is consistent with sub inventory being tracked in table mtl_replenish_lines_int.	SB-INVREP-22421
Perform_Other_Validations/ Check_Count_Type_Tracked23	Checks that value in Count_Type_Code field is consistent with sub inventory being non_tracked in table mtl_replenish_lines_int.	SB-INVREP-22421
Perform_Other_Validations/ Check_Count_uom_primary	Checks that a conversion to primary UOM exists for the value in Count_uom_primary field in table mtl_replenish_lines_int.	SB-INVREP-22424
Perform_Other_Validations/ Check_Inventory_item	Checks that value in Inventory_item field refers to a transactable item in the organization specified in table mtl_replenish_lines_int.	SB-INVREP-22422
Perform_Other_Validations/ Check_MinMAx_Plan	Checks that value in MinMAx_Plan field is a Min-Max planned for that sub inventory in table mtl_replenish_lines_int.	SB-INVREP-22423
Perform_Other_Validations/ Check_Organization_Id	Checks that Organization_Id is the same as in the Header level in table mtl_replenish_lines_int.	SB-INVREP-22420
Validate_Foreign_Key_Checks/ Check_Count_Uom	Checks that Count_Unit_of_Measure is a valid Unit_of_measure in table mtl_replenish_lines_int.	SB-INVREP-22416
Validate_Foreign_Key_Checks/ Check_Count_Uom_Code	Checks that Count_Uom_Code is a valid Uom_Code in table mtl_replenish_lines_int.	SB-INVREP-22417
Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID	Checks validity of values for Inventory_Item_ID and Organization_ID in table mtl_replenish_lines_int.	SB-INVREP-22415
Validate_Foreign_Key_Checks/ Check_Organization_ID	Checks validity of value for Organization_ID in table mtl_replenish_lines_int.	SB-INVREP-22413

Table 8 sb_validate_rep_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Rep_Header_ID	Checks validity of value for Organization_ID in table mtl_replenish_lines_int.	SB-INVREP-22414
Validate_Foreign_Key_Checks/ Check_Segment	Checks validity of values for Segments 1 - 20 in table mtl_replenish_lines_int.	SB-INVREP-22418
Validate_Required_Columns/ Check_Count_Quantity	Checks for non-null entry in field Count_Quantity in table mtl_replenish_lines_int.	SB-INVREP-22410
Validate_Required_Columns/ Check_Count_Type_Code	Checks for non-null entry in field Count_Type_Code in table mtl_replenish_lines_int.	SB-INVREP-22409
Validate_Required_Columns/ Check_Count_UOM	Checks for non-null entry in field Count_Unit_Of_Measure in table mtl_replenish_lines_int.	SB-INVREP-22411
Validate_Required_Columns/ Check_Count_UOM_Code	Checks for non-null entry in field Count_UOM_Code in table mtl_replenish_lines_int.	SB-INVREP-22412
Validate_Required_Columns/ Check_Created_By	Checks for non-null entry in field Created_By in table mtl_replenish_lines_int.	SB-INVREP-22405
Validate_Required_Columns/ Check_Creation_Date	Checks for non-null entry in field Creation_Date in table mtl_replenish_lines_int.	SB-INVREP-22404
Validate_Required_Columns/ Check_Inventory_Item_ID	Checks for non-null entry in field Inventory_Item_ID in table mtl_replenish_lines_int.	SB-INVREP-22408
Validate_Required_Columns/ Check_Last_Update_Date	Checks for non-null entry in field Last_Update_Date in table mtl_replenish_lines_int.	SB-INVREP-22403
Validate_Required_Columns/ Check_Last_Update_Login	Checks for non-null entry in field Last_Update_Login in table mtl_replenish_lines_int.	SB-INVREP-22406
Validate_Required_Columns/ Check_Last_Updated_By	Checks for non-null entry in field Last_Updated_By in table mtl_replenish_lines_int.	SB-INVREP-22407
Validate_Required_Columns/ Check_Replenishment_Header_ID	Checks for non-null entry in field Replenishment_Header_ID in table mtl_replenish_lines_int.	SB-INVREP-22401
Validate_Required_Columns/ Check_Replenishment_Line_Id	Checks for non-null entry in field Replenishment_Line_Id in table mtl_replenish_lines_int.	SB-INVREP-22402

A.1.7 Transactions

Table 9 sb_validate_trans_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Derive_Acct_Period_id	Derives appropriate values for the column acct_period_id in sb_mtl_transactions_interface.	N/A
Derive_Required_Columns/ Derive_primary_quantity	Derives appropriate values for the column primary_quantity in sb_mtl_transactions_interface.	N/A
Derive_Required_Columns/ Derive_tran_action_id	Derives appropriate values for the column transaction_action_id in sb_mtl_transactions_interface.	N/A
Derive_Required_Columns/ Derive_tran_source_type_id	Derives appropriate values for the column transaction_source_type_id in table sb_mtl_transactions_interface.	N/A
Perform_Other_Validations/ Check_WIP_Entity_Type	Checks for appropriate value in the column wip_entity_type in table sb_mtl_transactions_interface.	SB-INVTXN-20334
Perform_Other_Validations/ Update_Fixed_Values	This routine updates some columns with their fixed values in table sb_mtl_transactions_interface.	N/A
Perform_Other_Validations/ Check_Reason_ID	Checks for appropriate value in the column reason_id in table sb_mtl_transactions_interface.	SB-INVTXN-20333
Perform_Other_Validations/ Check_Substitution_ID	Checks for appropriate value in the substitution_id column of table sb_mtl_transactions_interface.	SB-INVTXN-20335
Perform_Other_Validations/ Check_Trans_Header_ID	Checks for the appropriate value in the transaction_header_id column of table sb_mtl_transactions_interface.	SB-INVTXN-20344
Validate_Foreign_Key_Checks/ Check_Acct_Period_ID	Checks for valid values in foreign key column acct_period_id in table sb_mtl_transactions_interface.	SB-INVTXN-20322
Validate_Foreign_Key_Checks/ Check_Distribution_Account_ID	Checks for valid values in foreign key column distribution_account_id in table sb_mtl_transactions_interface.	SB-INVTXN-20319
Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID	Checks for valid values in foreign key column inventory_item_id in table sb_mtl_transactions_interface.	SB-INVTXN-20320
Validate_Foreign_Key_Checks/ Check_Locator_ID	Checks for valid values in foreign key column locator_id in table sb_mtl_transactions_interface.	SB-INVTXN-20326

Table 9 sb_validate_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Operation_Seq_Num	Checks for valid values in foreign key column operation_seq_num in table sb_mtl_transactions_interface.	SB-INVTXN-20324
Validate_Foreign_Key_Checks/ Check_Organization_ID	Checks for valid values in foreign key column organization_id in table sb_mtl_transactions_interface.	SB-INVTXN-20321
Validate_Foreign_Key_Checks/ Check_Revision	Checks for valid values in foreign key column revision in table sb_mtl_transactions_interface.	SB-INVTXN-20329
Validate_Foreign_Key_Checks/ Check_Schedule_ID	Checks for valid values in foreign key column schedule_id in table sb_mtl_transactions_interface.	SB-INVTXN-20323
Validate_Foreign_Key_Checks/ Check_Schedule_Number	Checks for valid values in foreign key column schedule_number in table sb_mtl_transactions_interface.	SB-INVTXN-20332
Validate_Foreign_Key_Checks/ Check_Sub_inventory_Code	Checks for valid values in foreign key column sub_inventory_code in table sb_mtl_transactions_interface.	SB-INVTXN-20330
Validate_Foreign_Key_Checks/ Check_Transfer_Locator	Checks for valid values in foreign key column transfer_locator in table sb_mtl_transactions_interface.	SB-INVTXN-20328
Validate_Foreign_Key_Checks/ Check_Transfer_Organization	Checks for valid values in foreign key column transfer_organization in table sb_mtl_transactions_interface.	SB-INVTXN-20327
Validate_Foreign_Key_Checks/ Check_Transfer_SubInventory	Checks for valid values in foreign key column transfer_subinventory in table sb_mtl_transactions_interface.	SB-INVTXN-20331
Validate_Foreign_Key_Checks/ Check_Transportation_Account	Checks for valid values in foreign key column transportation_account in table sb_mtl_transactions_interface.	SB-INVTXN-20325
Validate_Required_Columns/ Check_Inventory_Item_ID	Checks for the required field inventory_item_id in table sb_mtl_transactions_interface.	SB-INVTXN-20307
Validate_Required_Columns/ Check_Organization_ID	Checks for the required field organization_id in table sb_mtl_transactions_interface.	SB-INVTXN-20308
Validate_Required_Columns/ Check_Process_Flag	Checks for the required field process_flag in table sb_mtl_transactions_interface.	SB-INVTXN-20304
Validate_Required_Columns/ Check_Source_Code;	Checks for the required field source_code in table sb_mtl_transactions_interface.	SB-INVTXN-20301

Table 9 sb_validate_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Required_Columns/ Check_Source_Header_ID;	Checks for the required field source_header_id in table sb_mtl_transactions_interface.	SB-INVTXN-20303
Validate_Required_Columns/ Check_Source_Line_ID;	Checks for the required field source_line_id in table sb_mtl_transactions_interface.	SB-INVTXN-20302
Validate_Required_Columns/ Check_Transaction_Date	Checks for the required field transaction_date in table sb_mtl_transactions_interface.	SB-INVTXN-20311
Validate_Required_Columns/ Check_Transaction_Interface_ID	Checks for the required field transaction_interface_id in table sb_mtl_transactions_interface.	SB-INVTXN-20306
Validate_Required_Columns/ Check_Transaction_Mode	Checks for the required field transaction_mode in table sb_mtl_transactions_interface.	SB-INVTXN-20305
Validate_Required_Columns/ Check_Transaction_Quantity	Checks for the required field transaction_quantity in table sb_mtl_transactions_interface.	SB-INVTXN-20309
Validate_Required_Columns/ Check_Transaction_Source_ID	Checks for the required field transaction_source_id in table sb_mtl_transactions_interface.	SB-INVTXN-20312
Validate_Required_Columns/ Check_Transaction_Source_Name	Checks for the required field transaction_source_name in table sb_mtl_transactions_interface.	SB-INVTXN-20313
Validate_Required_Columns/ Check_Transaction_Type_ID	Checks for the required field transaction_type_id in table sb_mtl_transactions_interface.	SB-INVTXN-20314
Validate_Required_Columns/ Check_Transaction_UOM	Checks for the required field transaction_UOM in table sb_mtl_transactions_interface.	SB-INVTXN-20310

Lots

Table 10 sb_validate_trans_lots_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Derive_primary_quantity	Derives appropriate values for the column primary_quantity in sb_mtl_trans_lots_interface.	N/A
Validate	This procedure performs all pre-validations pertaining to the Transactions Interface Table.	N/A

Table 10 sb_validate_trans_lots_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Serial_Tran_Temp_ID	Checks for valid values in foreign key column serial_transaction_temp_id in table sb_mtl_trans_lots_interface.	SB-INVTXN-20339
Validate_Foreign_Key_Checks/ Check_Tran_Interface_ID	Checks for valid values in foreign key column Transaction_interface_id in table sb_mtl_trans_lots_interface.	SB-INVTXN-20340
Validate_Required_Columns/ Check_Lot_Number	Checks for the required field lot_number in table sb_mtl_trans_lots_interface.	SB-INVTXN-20337
Validate_Required_Columns/ Check_Tran_Interface_ID	Checks for the required field Transaction_interface_id in table sb_mtl_trans_lots_interface.	SB-INVTXN-20336
Validate_Required_Columns/ Check_Tran_Quantity	Checks for the required field transaction_quantity in table sb_mtl_trans_lots_interface.	SB-INVTXN-20338

Serial Numbers

Table 11 sb_validate_serial_nos_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Vendor_Serial_No	Checks for valid values in foreign key column vendor_serial_number in table sb_mtl_serial_nos_interface.	SB-INVTXN-20343
Validate_Required_Columns/ Check_Fm_Serial_Number	Checks for the required field fm_serial_number in table sb_mtl_serial_nos_interface.	SB-INVTXN-20342
Validate_Required_Columns/ Check_Tran_Interface_ID	Checks for the required field transaction_interface_id in table sb_mtl_serial_nos_interface.	SB-INVTXN-20341

A.2 Purchase Order

A.2.1 Import

Master

Table 12 sb_validate_poi_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate	Performs all pre-validations pertaining to Purchase Order Import.	SB-POIMP-25006
Validate_Master_Details	Performs all validations that require checking both the master and detail records across interface tables of Purchase Order Import.	SB-POIMP-20001

Headers

Table 13 sb_validate_poi_hdrs_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Check_For_Errors	Checks if an error has occurred by checking the count of updated records for errors.	None
Derive_Required_Columns/ Derive_Po_Header_ID	Po_Header_Id is derived from the Document Type and Document Number.	N/A
Derive_Required_Columns/ Derive_Vendor_ID	Vendor_Id is derived from the given Vendor Name.	N/A
Derive_Required_Columns/ Derive_Vendor_Site_ID	Vendor_Site_Id is derived from the Vendor Id and Vendor Site Code.	N/A
Perform_Other_Validations/ Check_Action_For_Std_Doc_Type	Checks if Document Type Code is STANDARD and Action is neither UPDATE nor REPLACE.	SB-POIMP-25007
Perform_Other_Validations/ Check_Amount_Agreed	Checks if Amount_Agreed is more than Amount_Limit.	SB-POIMP-20031
Perform_Other_Validations/ Check_Amount_Limit	Checks if Amount_limit is more than Zero.	SB-POIMP-20033
Perform_Other_Validations/ Chk_App_Stat_For_Std_Doc_Type	Checks if Document Type is STANDARD and Approval Status is INCOMPLETE.	SB-POIMP-25008
Perform_Other_Validations/ Check_Document_Sub_Type	Checks for appropriate value in the Document_Sub_Type column of table sb_po_headers_interface.	SB-POIMP-25016

Table 13 sb_validate_poi_hdrs_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Lines_For_Header	Checks if there exists at least one Line record per Header record in the SB_PO_LINES_INTERFACE table.	SB-POIMP-25013
Perform_Other_Validations/ Check_Min_Release_Amount	Checks if Min_Release_Amount is more than Amount_Limit.	SB-POIMP-20032
Perform_Other_Validations/ Check_Num_Of_Lines	Checks for appropriate value in the Num_Of_Lines column of table sb_po_headers_interface.	SB-POIMP-25017
Perform_Other_Validations/ Check_Release_Date	Checks if Release_Date is NULL since it is reserved for future use.	SB-POIMP-25011
Perform_Other_Validations/ Check_Release_Num	Checks if Release_Num is NULL since it is reserved for future use.	SB-POIMP-20088
Perform_Other_Validations/ Check_Vendor_Doc_Num_Org_Blkt	Checks if Action is ORIGINAL and Document Type Code is BLANKET and Vendor Doc Num does not exist in the PO_HEADERS_ALL table.	SB-POIMP-25010
Perform_Other_Validations/ Check_Vendor_Doc_Num_Org_Quot	Checks if Action is ORIGINAL and Document Type Code is QUOTATION and Vendor Doc Num does not exist in the PO_HEADERS_ALL table.	SB-POIMP-25010
Perform_Other_Validations/ Check_Vendor_Doc_Num_Repl_Blkt	Checks if Action is REPLACE and Document Type Code is BLANKET and Vendor Doc Num exists in the PO_HEADERS_ALL table.	SB-POIMP-25009
Perform_Other_Validations/ Check_Vendor_Doc_Num_Repl_Quot	Checks if Action is REPLACE and Document Type Code is QUOTATION and Vendor Doc Num exists in the PO_HEADERS_ALL table.	SB-POIMP-25009
Perform_Other_Validations/ Check_Vendor_Doc_Num_Upd_Blkt	Checks if Action is UPDATE and Document Type Code is BLANKET and Vendor Doc Num exists in the PO_HEADERS_ALL table.	SB-POIMP-25009
Perform_Other_Validations/ Check_Vendor_Doc_Num_Upd_Quot	Checks if Action is UPDATE and Document Type Code is QUOTATION and Vendor Doc Num exists in the PO_HEADERS_ALL table.	SB-POIMP-25009
Validate_Foreign_Key_Checks/ Check_Agent_ID	Checks if Agent_Id is a valid value in the PO_AGENTS table.	SB-POIMP-20015
Validate_Foreign_Key_Checks/ Check_Agent_Name	Checks if Agent Name is valid.	SB-POIMP-20023
Validate_Foreign_Key_Checks/ Check_Bill_To_Location_Code	Checks if Bill_To_Location_Code is valid.	SB-POIMP-20028

Table 13 sb_validate_poi_hdrs_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Bill_To_Location_ID	Checks if Bill_To_Location_Id is a valid value in the HR_LOCATIONS_ALL table.	SB-POIMP-20016
Validate_Foreign_Key_Checks/ Check_Currency_Code	Checks if Currency_Code is a valid value in the FND_CURRENCIES table.	SB-POIMP-20021
Validate_Foreign_Key_Checks/ Check_Document_Num	Checks if Document Number is a valid value in the PO_HEADERS_ALL table.	SB-POIMP-20022
Validate_Foreign_Key_Checks/ Check_Document_Num_For_Orig	Checks if the Document Num already exists for an ORIGINAL Purchase Order.	SB-POIMP-25012
Validate_Foreign_Key_Checks/ Check_Fob_Active	Checks whether field Fob_Active is Active or Inactive.	SB-POIMP-25014
Validate_Foreign_Key_Checks/ Check_Freight_Terms_Active	Checks whether field Freight_Terms_Active is Active or Inactive.	SB-POIMP-25015
Validate_Foreign_Key_Checks/ Check_From_Header_ID	Checks if From_Header_Id is a valid value in the PO_HEADERS_ALL table	SB-POIMP-20019
Validate_Foreign_Key_Checks/ Check_From_Type_Lookup_Code	Checks if From_Type_Lookup_Code is a valid value in the PO_DOCUMENT_TYPES_ALL_B table.	SB-POIMP-20011
Validate_Foreign_Key_Checks/ Check_Payment_Terms	Checks if Payment_Terms is valid.	SB-POIMP-20029
Validate_Foreign_Key_Checks/ Check_Rate_Type	Checks if Rate_Type is a valid value in the GL_DAILY_CONVERSION_TYPES table.	SB-POIMP-20020
Validate_Foreign_Key_Checks/ Check_Rfq_Num	Checks if Rfq_Num is valid.	SB-POIMP-20030
Validate_Foreign_Key_Checks/ Check_Ship_To_Location_Code	Checks if Ship_To_Location_Code is valid.	SB-POIMP-20027
Validate_Foreign_Key_Checks/ Check_Ship_To_Location_ID	Checks if Ship_To_Location_Id is a valid value in the HR_LOCATIONS_ALL table.	SB-POIMP-20012
Validate_Foreign_Key_Checks/ Check_Terms_ID	Checks if Terms_Id is a valid value in the AP_TERMS_TL table.	SB-POIMP-20013
Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code	Checks Ussgl_Transaction_Code is a valid value in the GL_USSGL_TRANSACTION_CODES table.	SB-POIMP-20014
Validate_Foreign_Key_Checks/ Check_Vendor_Contact	Checks if Vendor Contact is valid.	SB-POIMP-20026

Table 13 sb_validate_poi_hdrs_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Vendor_Contact_ID	Checks if Vendor_Contact_Id is a valid value in the PO_VENDOR_CONTACTS table.	SB-POIMP-20018
Validate_Foreign_Key_Checks/ Check_Vendor_ID	Checks if Vendor ID supplied is a valid value in the PO_VENDORS table.	SB-POIMP-20010
Validate_Foreign_Key_Checks/ Check_Vendor_Name	Checks if Vendor Name or Vendor Num is valid.	SB-POIMP-20024
Validate_Foreign_Key_Checks/ Check_Vendor_Site_Code	Checks validity of Vendor Site Code.	SB-POIMP-20025
Validate_Foreign_Key_Checks/ Check_Vendor_Site_ID	Checks if Vendor_Site_Id is a valid value in the PO_VENDOR_SITES_ALL table.	SB-POIMP-20017
Validate_Required_Columns/ Check_Action	Checks the Action column. It should be entered since it is a mandatory Column.	SB-POIMP-20003
Validate_Required_Columns/ Check_Action_Values	Checks if Action field has a value other than one of ADD, NEW, ORIGINAL, REPLACE or UPDATE.	SB-POIMP-20008
Validate_Required_Columns/ Check_Doc_Type_Code_Values	Checks if Document Type Code field has a value other than one of PO, RFQ, BLANKET, STANDARD or QUOTATION.	SB-POIMP-20009
Validate_Required_Columns/ Check_Document_Type_Code	Checks the Document Type Code column. It should be entered since it is a mandatory Column.	SB-POIMP-20004
Validate_Required_Columns/ Check_Interface_Header_ID	Checks the Interface Header ID column. It should be entered since it is a mandatory Column.	SB-POIMP-20002
Validate_Required_Columns/ Check_Vendor_Doc_Num	Checks the Vendor Doc Num column. It should be entered since it is a mandatory Column.	SB-POIMP-20007
Validate_Required_Columns/ Check_Vendor_Site_Code	Checks existence of (mandatory) Vendor Site Code column.	SB-POIMP-20006

Lines

Table 14 sb_validate_poi_lines_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Check_For_Errors	Checks if an error has occurred by checking the count of updated records for errors.	None

Table 14 sb_validate_poi_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Derive_Po_Header_ID	Po_Header_Id is derived from the corresponding header's Document Type and Document Num.	N/A
Perform_Other_Validations/ Check_Cap_Exp_Flag_For_Quot	Checks if Capital_Expense_Flag is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20075
Perform_Other_Validations/ Check_Capital_Exp_Flg	Checks if Capital_Expense_Flag is 'Y' or 'N' if Header Document Type is 'BLANKET' or 'STANDARD'.	SB-POIMP-25004
Perform_Other_Validations/ Check_Closed_By	Checks if Closed_By is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20098
Perform_Other_Validations/ Check_Closed_Code_For_Quot	Checks if Closed_Code is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20069
Perform_Other_Validations/ Check_Closed_Date	Checks if Closed_Date is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20097
Perform_Other_Validations/ Check_Closed_Reason	Checks if Closed_Reason is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20096
Perform_Other_Validations/ Check_Cmtd_Amt_For_Quot	Checks if Committed_Amount is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20070
Perform_Other_Validations/ Check_Committed_Amount	Checks if Committed_Amount is greater than 0 if Header Document Type is 'BLANKET' or 'STANDARD'.	SB-POIMP-25001
Perform_Other_Validations/ Check_Contract_Num	Checks if Contract_Num is NULL since it is reserved for future use.	SB-POIMP-20091
Perform_Other_Validations/ Check_Firm_Flag	Checks if Firm_Flag is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20099
Perform_Other_Validations/ Check_Fob_For_Blkt	Checks if Fob is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20083
Perform_Other_Validations/ Check_Freight_Terms_For_Blkt	Checks if Freight_Terms is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20084
Perform_Other_Validations/ Check_Insp_Req_Flag_For_Blkt	Checks if Inspection_Required_Flag is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20086
Perform_Other_Validations/ Check_Market_Price	Checks if Market_Price is greater than 0 if Header Document Type is 'BLANKET' or 'STANDARD'.	SB-POIMP-25002

Table 14 sb_validate_poi_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Market_Price_For_Quot	Checks if Market_Price is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20071
Perform_Other_Validations/ Check_Max_Ord_Qty_For_Quot	Checks if Max_Order_Quantity is greater than 0 and NOT NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20078
Perform_Other_Validations/ Check_Min_Ord_Qty_For_Quot	Checks if Min_Order_Quantity is greater than 0 and NOT NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20077
Perform_Other_Validations/ Check_Min_Rel_Amt	Checks if Min_Release_Amt is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20076
Perform_Other_Validations/ Check_Need_By_Date	Checks if Need_By_Date is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20094
Perform_Other_Validations/ Check_Neg_By_Prep_Flg	Checks if Negotiated_By_Preparer_Flag is 'Y' or 'N' if Header Document Type is 'BLANKET' or 'STANDARD'.	SB-POIMP-25003
Perform_Other_Validations/ Check_Not_To_Exceed_Price	Checks if Not_To_Exceed_Price is NULL if Allow_Price_Override_Flag is 'N' for Document Types STANDARD, BLANKET.	SB-POIMP-20066
Perform_Other_Validations/ Check_Not_To_Exc_Prc_For_Quot	Checks if Not_To_Exceed_Price is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20073
Perform_Other_Validations/ Check_Order_Quantity	Checks if Max_Order_Quantity is greater than Min_Order_Quantity.	SB-POIMP-20068
Perform_Other_Validations/ Check_Ovr_Tol_Error_Flg	Checks if Over_Tolerance_Error_Flag is 'Y' or 'N' if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20079
Perform_Other_Validations/ Check_Payment_Terms	Checks if Payment Terms is valid.	SB-POIMP-20063
Perform_Other_Validations/ Check_Po_Header_ID	Checks if Po_Header_Id is a valid value in the PO_HEADERS_ALL table.	SB-POIMP-20037
Perform_Other_Validations/ Check_Po_Release_Id	Checks if Po_Release_Id is NULL since it is reserved for future use.	SB-POIMP-20089
Perform_Other_Validations/ Check_Promised_Date	Checks if Promised_Date is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20095
Perform_Other_Validations/ Check_Quantity	Checks if Quantity is greater than Zero and not NULL.	SB-POIMP-20100

Table 14 sb_validate_poi_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Rcpt_Days_Exp_Cd	Checks if Receipt_Days_Exception_Code is NULL if Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-20093
Perform_Other_Validations/ Check_Rcpt_Req_Flag_For_Blkt	Checks if Receipt_Required_Flag is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20085
Perform_Other_Validations/ Check_Release_Num	Checks if Release_Num is NULL since it is reserved for future use.	SB-POIMP-20088
Perform_Other_Validations/ Check_Source_Shipment_Id	Checks if Source_Shipment_Id is NULL since it is reserved for future use.	SB-POIMP-20090
Perform_Other_Validations/ Check_Taxable_Flag	Checks if Tax_Name or Tax_Code_Id is NULL if Taxable_Flag is NULL or N and 'N' and Header Document Type is 'BLANKET' or 'QUOTATION'.	SB-POIMP-25005
Perform_Other_Validations/ Check_Type_1099	Checks if Type_1099 is NULL.	SB-POIMP-20092
Perform_Other_Validations/ Check_Unit_Price	Checks if Not_To_Exceed_Price is greater than or equal to Unit_Price for Document Types STANDARD, BLANKET.	SB-POIMP-20067
Perform_Other_Validations/ Check_Unit_Price_For_Null	Checks if Unit_Price is NULL or lesser than Zero.	SB-POIMP-20087
Perform_Other_Validations/ Chk_Alw_Prc_Ovd_Flag_For_Quot	Checks if Allow_Price_Override_Flag is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20072
Perform_Other_Validations/ Chk_Freight_Carrier_For_Blkt	Checks if Freight_Carrier is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20082
Perform_Other_Validations/ Chk_Neg_By_Prep_Flag_For_Quot	Checks if Negotiated_By_Preparer_Flag is NULL if Header Document Type is 'QUOTATION'.	SB-POIMP-20074
Perform_Other_Validations/ Chk_Qty_Rcv_Exc_Code_For_Blkt	Checks if Qty_Rcv_Exception_Code is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20081
Perform_Other_Validations/ Chk_Qty_Rcv_Tol_For_Blkt	Checks if Qty_Rcv_Tolerance is NULL if Header Document Type is 'BLANKET'.	SB-POIMP-20080
Validate	This is the main validation package for the Interface Lines Table (sb_po_lines_interface).	N/A
Validate_Foreign_Key_Checks/ Check_From_Header_ID	Checks if From_Header_Id is a valid value in the PO_HEADERS_ALL table.	SB-POIMP-20044
Validate_Foreign_Key_Checks/ Check_Category_ID	Checks if Category_Id is a valid value in the MTL_CATEGORIES_B table.	SB-POIMP-20038

Table 14 sb_validate_poi_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Closed_By	Checks if Closed_By is a valid value in the HR_EMPLOYEES table.	SB-POIMP-20043
Validate_Foreign_Key_Checks/ Check_Fob_Active	Checks whether FOB is Active or Inactive.	SB-POIMP-25014
Validate_Foreign_Key_Checks/ Check_Freight_Terms_Active	Checks whether Freight_Terms is Active or Inactive.	SB-POIMP-25015
Validate_Foreign_Key_Checks/ Check_From_Line_ID	Checks if From_Line_Id is a valid value in the PO_LINES_ALL.	SB-POIMP-20045
Validate_Foreign_Key_Checks/ Check_Hazard_Class	Checks if Hazard_Class is a valid value.	SB-POIMP-20059
Validate_Foreign_Key_Checks/ Check_Hazard_Class_ID	Checks if Hazard_Class_Id is a valid value in the PO_HAZARD_CLASSES_B table.	SB-POIMP-20041
Validate_Foreign_Key_Checks/ Check_Item	Checks if Item is a valid value.	SB-POIMP-20052
Validate_Foreign_Key_Checks/ Check_Item_Id	Checks if Item_Id is a valid value in the MTL_SYSTEM_ITEMS_B table.	SB-POIMP-20050
Validate_Foreign_Key_Checks/ Check_Item_Revision	Checks if Item_Revision is a valid value in the MTL_ITEM_REVISIONS table.	SB-POIMP-20047
Validate_Foreign_Key_Checks/ Check_Line_Num	Checks if Check_Line_Num is a valid value.	SB-POIMP-20056
Validate_Foreign_Key_Checks/ Check_Line_Type	Checks if Check_Line_Type is a valid value.	SB-POIMP-20055
Validate_Foreign_Key_Checks/ Check_Line_Type_ID	Checks if Line_Type_Id is a valid value in the PO_LINE_TYPES_B table.	SB-POIMP-20039
Validate_Foreign_Key_Checks/ Check_Receiving_Routing	Checks if Receiving_Routing is valid.	SB-POIMP-20064
Validate_Foreign_Key_Checks/ Check_Ship_To_Location_Code	Checks if Ship_To_Location is a valid value.	SB-POIMP-20061
Validate_Foreign_Key_Checks/ Check_Ship_To_Org_Code	Checks if Ship_To_Organization_Code is a valid value.	SB-POIMP-20060
Validate_Foreign_Key_Checks/ Check_Shipment_Num	Checks if Shipment_Num is a valid value.	SB-POIMP-20057
Validate_Foreign_Key_Checks/ Check_Tax_Code_Id	Check if Tax_Code_Id is valid.	SB-POIMP-20065
Validate_Foreign_Key_Checks/ Check_Tax_Name	Checks if Tax_Name is a valid value in the AP_TAX_CODES_ALL table.	SB-POIMP-20046
Validate_Foreign_Key_Checks/ Check_Template_Name	Checks if Template_Name is a valid value.	SB-POIMP-20062
Validate_Foreign_Key_Checks/ Check_Un_Number	Checks if Un_Number is a valid value.	SB-POIMP-20058

Table 14 sb_validate_poi_lines_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Un_Number_ID	Checks if Un_Number_Id is a valid value in the PO_UN_NUMBERS_B table.	SB-POIMP-20040
Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure	Checks if Unit_Of_Measure is a valid value in the MTL_UNITS_OF_MEASURE_TL table.	SB-POIMP-20048
Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure_Org	Checks if the Unit_Of_Measure is a valid value for a particular Item and Organization in the MTL_ITEM_UOMS_VIEW view.	SB-POIMP-20049
Validate_Foreign_Key_Checks/ Check_Uom_Code	Checks if Uom Code is a valid value.	SB-POIMP-20054
Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code	Checks if Ussgl_Transaction_Code is a valid value in the GL_USSGL_TRANSACTION_CODES table.	SB-POIMP-20042
Validate_Required_Columns/ Check_Interface_Header_ID	Checks the Interface Header ID column. It should be entered since it is a mandatory Column.	SB-POIMP-20034
Validate_Required_Columns/ Check_Interface_Line_ID	Checks the Interface Line ID column. It should be entered since it is a mandatory Column.	SB-POIMP-20035
Validate_Required_Columns/ Check_Organization_ID	Checks the Organization ID column. It should be entered since it is a mandatory Column.	SB-POIMP-20036

A.2.2 Receiving

Master

Table 15 sb_validate_rcv_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate	This is the main validation procedure of the Receiving Open Interface.	SB-POREC-25006

Header

Table 16 sb_validate_rcv_hdr_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Check_For_Errors	Checks if an error has occurred by checking the count of updated records for errors.	None
Derive_Required_Columns/ Check_ASN_TYPE	Validates for 'ASN' or 'ASBN' values for ASN_TYPE in rcv_headers_interface.	SB-POREC20107
Derive_Required_Columns/ Check_Auto_Transact_Code	Checks for valid values in Auto_Transact_Code field of rcv_headers_interface table. The values allowed are 'SHIP', 'RECEIVE', 'DELIVER' when ASN_TYPE is 'ASN' for a given Employee_Id or Employee_Name.	SB-POREC20112
Derive_Required_Columns/ Check_Employee_Name_Id	Checks for a valid value in Employee_Id or Employee_Name field of rcv_header_interface table. Any one of the fields should not be null when Auto_Transact_Code is 'RECEIVE'.	SB-POREC20118
Derive_Required_Columns/ Check_Invoice_Date	Checks for a valid value in Invoice_Date field of rcv_header_interface table. The field should not be null when ASN_TYPE is 'ASBN'.	SB-POREC20116
Derive_Required_Columns/ Check_Invoice_Num	Checks for a valid value in Invoice_Num field of rcv_header_interface table. The field should not be null when ASN_TYPE is 'ASBN'.	SB-POREC20115
Derive_Required_Columns/ Check_Processing_Status_Code	Validates for 'PENDING' value for Processing_Status_Code in rcv_headers_interface.	SB-POREC20108
Derive_Required_Columns/ Check_Receipt_Num	Checks for a valid value Receipt_Num field of rcv_headers_interface table. There should be a value when Auto_Transact_Code in 'SHIP'.	SB-POREC20113

Table 16 sb_validate_rcv_hdr_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Check_Receipt_Source_Code	Validates for 'VENDOR' value for Receipt_Source_Code in rcv_headers_interface.	SB-POREC20109
Derive_Required_Columns/ Check_Shipped_Date	Checks for a valid value in Shipped_Date field of rcv_header_interface table. The field should not be null when ASN_TYPE is either 'ASN' or 'ASBN' and it should be earlier than current date and Expected_Receipt_Date.	SB-POREC20114
Derive_Required_Columns/ Check_Shipped_Date_Range	Checks the SHIPPED_DATE value with the current date and EXPECTED_RECEIPT_DATE. It should be earlier than or equal to current date and EXPECTED_RECEIPT_DATE.	SB-POREC20189
Derive_Required_Columns/ Check_Total_Invoice_Amount	Checks for a valid value in Total_Invoice_Amount field of rcv_header_interface table. The field should not be null when ASN_TYPE is 'ASBN' and it should not be a negative value.	SB-POREC20117
Derive_Required_Columns/ Check_Transaction_Type	Checks for valid values in Transaction_Type field of rcv_headers_interface table. The values allowed are 'NEW' or 'CANCEL'.	SB-POREC20110
Derive_Required_Columns/ Check_Validation_Flag	Checks for valid values in Validation_Flag field of rcv_headers_interface table. The values allowed are 'Y' or 'N'.	SB-POREC20111
Derive_Required_Columns/ Check_Validity_Employee_Name	Checks the validity of employee_name with the corresponding column in hr_employees.	SB-POREC20190
Derive_Required_Columns/ Check_Vendor_Name	Checks for the validity of Vendor_Name in po_suppliers_val_v.	SB-POREC20119
Derive_Required_Columns/ Derive_Employee_Id	Derives Employee_Id for a given Employee_Name.	N/A
Derive_Required_Columns/ Derive_Location_Id	Derives Location_Id for a given Location_Code.	N/A
Derive_Required_Columns/ Derive_Org_ID_From_Code	Derives Ship_To_Organization_ID for a given Ship_To_Organization_Code.	N/A
Derive_Required_Columns/ Derive_Payment_Terms_ID	Derives Payment_Terms_Id for a given Payment_Terms_Name.	N/A
Derive_Required_Columns/ Derive_Vendor_ID	Derives Vendor_Id for a given Vendor_Name and Vendor_Num.	N/A
Derive_Required_Columns/ Derive_Vendor_Site_ID	Derives Vendor_Site_Id for a given Vendor_Id and Vendor_Site_Code.	N/A

Table 16 sb_validate_rcv_hdr_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate	Performs all the pre-validations pertaining to Purchase Order Headers Interface table.	N/A
Validate_Required_Columns/ Check_Group_ID	Validates for the Not null value of Group_ID in rcv_headers_interface table.	SB-POREC20101
Validate_Required_Columns/ Check_Header_Interface_ID	Validates for the Not null value of Header_Interface_ID in rcv_headers_interface table.	SB-POREC20100
Validate_Required_Columns/ Check_Processing_Status_Code	Validates for the Not Null value of Processing_Status_Code in rcv_headers_interface table.	SB-POREC20102
Validate_Required_Columns/ Check_Receipt_Source_Code	Validates for the Not Null value of Receipt_Source_Code in rcv_headers_interface table.	SB-POREC20103
Validate_Required_Columns/ Check_Transaction_Type	Validates for the Not Null value of transaction_type in rcv_headers_interface table.	SB-POREC20104
Validate_Required_Columns/ Check_Validation_Flag	Validates for the Not Null value of validation_flag.	SB-POREC20106
Validate_Required_Columns/ Check_Vendor_Name_Num	Validates for the Not Null value of vendor_name or vendor_num in rcv_headers_interface table. Either one value should be entered.	SB-POREC20105

Transactions

Table 17 sb_validate_rcv_trans_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Check_For_Errors	Checks if an error has occurred by checking the count of updated records for errors.	None
Validate_Required_Columns/ Check_Auto_Transact_Code	Checks for a valid value in Auto_Transact_Code field of rcv_transactions_header table.	SB-POREC20131
Derive_Required_Columns/ Check_Auto_Transact_Code	Validates for a valid value in Auto_Transact_Code field in rcv_transactions_interface table. The values allowed are 'RECEIVE', 'DELIVER', and 'SHIP'.	SB-POREC20177
Validate_Foreign_Key_Checks/ Check_Bom_Resource_Id	Does the foreign key validation for bom_resource_id field in rcv_transactions_interface table.	SB-POREC20160

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Charge_Account_Id	Does the foreign key validation for charge_account_id field in rcv_transaction_interface table.	SB-POREC20151
Validate_Foreign_Key_Checks/ Check_Currency_Conversion_Type	Does the foreign key validation for currency_conversion_type field in rcv_transactions_interface table.	SB-POREC20166
Validate_Foreign_Key_Checks/ Check_Department_Code	Does the foreign key validation for department_code field in rcv_transactions_interface table.	SB-POREC20161
Derive_Required_Columns/ Check_Destination_Type_Code	Checks for valid destination_type_code when auto_transaction_code is 'DELIVER'.	SB-POREC20186
Validate_Required_Columns/ Check_Document_Line_Num	Checks for a valid value in Document_Line_Num, Item_Num, Vendor_Item_Num, Item_Id or Po_Line_Id field of rcv_transactions_header table.	SB-POREC20130
Validate_Required_Columns/ Check_Document_Num	Checks for a valid value in Document_Num or Po_Header_Id field of rcv_transactions_header table. Either one should have a valid value.	SB-POREC20136
Validate_Foreign_Key_Checks/ Check_Employee_Id	Does the foreign key validation for employee_id field in rcv_transaction_interface table.	SB-POREC20152
Derive_Required_Columns/ Check_Employee_Id	Checks for valid values in employee_id when the transaction_type is 'DELIVER'.	SB-POREC20182
Validate_Foreign_Key_Checks/ Check_Employee_Id1	Does the foreign key validation for employee_id field in rcv_transactions_interface table.	SB-POREC20152
Derive_Required_Columns/ Check_Expected_Receipt_Date	Checks for availability of expected_receipt_date in rcv_headers_interface table.	SB-POREC20187
Validate_Foreign_Key_Checks/ Check_Freight_Carrier_Code	Does the foreign key validation for freight_carrier_code field in rcv_transactions_interface table.	SB-POREC20162
Validate_Required_Columns/ Check_Group_ID	Checks for a valid value in Group_ID field of rcv_transactions_header table.	SB-POREC20121
Derive_Required_Columns/ Check_Group_Id	Checks for valid group_id in rcv_headers_interface table.	SB-POREC20183
Derive_Required_Columns/ Check_Header_Interface_Id	Checks and validates for the presence of valid Header_Interface_Id in rcv_headers_interface table.	SB-POREC20180

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Required_Columns/ Check_Header_Interface_Id	Checks for a valid value in Header_Interface_Id field of rcv_transactions_header table.	SB-POREC20137
Validate_Foreign_Key_Checks/ Check_Inspection_Quality_Code	Does the foreign key validation for inspection_quality_code field in rcv_transaction_interface table.	SB-POREC20150
Validate_Required_Columns/ Check_Interface_Transaction_ID	Checks for a valid value in Interface_Transaction_ID field of rcv_transactions_header table.	SB-POREC20120
Validate_Foreign_Key_Checks/ Check_Inv_Transaction_Id	Does the foreign key validation for Inv_Transaction_Id field in rcv_transaction_interface table.	SB-POREC20145
Derive_Required_Columns/ Check_Item_Category	Validates for a valid value in ITEM_CATEGORY or CATEGORY_ID or DOCUMENT_LINE_NUM or PO_LINE_ID fields in rcv_transactions_interface table. At least one value should be provided.	SB-POREC20173
Validate_Required_Columns/ Check_Item_Description	Checks for a valid value in Item_Description field of rcv_transactions_header table.	SB-POREC20129
Validate_Foreign_Key_Checks/ Check_Item_Id	Does the foreign key validation for item_id field in rcv_transaction_interface table.	SB-POREC20154
Validate_Foreign_Key_Checks/ Check_Locator_Id	Does the foreign key validation for locator_id field in rcv_transactions_interface table.	SB-POREC20164
Derive_Required_Columns/ Check_Org_Code_Id	Checks for TO_ORGANIZATION_CODE or TO_ORGANIZATION_ID (at least one value should be specified).	SB-POREC20185
Validate_Foreign_Key_Checks/ Check_Parent_Transaction_ID	Does the foreign key validation for Parent_Transaction_Id in rcv_transaction_interface table.	SB-POREC20141
Validate_Foreign_Key_Checks/ Check_Po_Distribution_Id	Does the foreign key validation for Po_Distribution_Id field in rcv_transaction_interface table.	SB-POREC20146
Validate_Foreign_Key_Checks/ Check_Po_Header_Id	Does the foreign key validation for Po_Header_Id field in rcv_transaction_interface table.	SB-POREC20142
Validate_Foreign_Key_Checks/ Check_Po_Line_Id	Does the foreign key validation for Po_Line_Id field in rcv_transaction_interface table.	SB-POREC20143

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Po_Line_Location_Id	Does the foreign key validation for Po_Line_Location_Id field in rcv_transaction_interface table.	SB-POREC20144
Validate_Foreign_Key_Checks/ Check_Po_Release_Id	Does the foreign key validation for Po_Release_Id field in rcv_transaction_interface table.	SB-POREC20147
Validate_Foreign_Key_Checks/ Check_Primary_Unit_Of_Measure	Does the foreign key validation primary_unit_of_measure field in rcv_transactions_interface table.	SB-POREC20172
Validate_Required_Columns/ Check_Processing_Mode_Code	Checks for a valid value in Processing_Mode_Code field of rcv_transactions_header table.	SB-POREC20125
Derive_Required_Columns/ Check_Processing_Mode_Code	Validates for a valid value in Processing_Mode_Code field in rcv_transactions_interface table. The value allowed is 'BATCH'.	SB-POREC20176
Derive_Required_Columns/ Check_Processing_Status_Code	Validates for a valid value in Processing_Status_Code field in rcv_transactions_interface table. The value allowed is 'PENDING'.	SB-POREC20175
Validate_Required_Columns/ Check_Processing_Status_Code	Checks for a valid value in Processing_Status_Code field of rcv_transactions_header table.	SB-POREC20124
Validate_Required_Columns/ Check_Quantity	Checks for a valid value in Quantity field of rcv_transactions_header table. The value should not be negative.	SB-POREC20127
Validate_Foreign_Key_Checks/ Check_Reason_Id	Does the foreign key validation for reason_id field in rcv_transactions_interface table.	SB-POREC20167
Validate_Required_Columns/ Check_Receipt_Source_Code	Checks for a valid value in Receipt_Source_Code field of rcv_transactions_header table.	SB-POREC20132
Derive_Required_Columns/ Check_Receipt_Source_Code	Validates for a valid value in Receipt_Source_Code field in rcv_transactions_interface table. The value allowed is 'VENDOR'.	SB-POREC20178
Validate_Foreign_Key_Checks/ Check_Req_Distribution_Id	Does the foreign key validation for Requisition_Distribution_Id field in rcv_transaction_interface table.	SB-POREC20149
Validate_Foreign_Key_Checks/ Check_Requisition_Line_Id	Does the foreign key validation for Requisition_Line_Id field in rcv_transaction_interface table.	SB-POREC20148

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Routing_Header_ID	Does the foreign key validation for Routing_Header_Id in rcv_transactions_interface table.	SB-POREC20139
Validate_Foreign_Key_Checks/ Check_Routing_Step_ID	Does the foreign key validation for Routing_Step_Id in rcv_transactions_interface table.	SB-POREC20140
Derive_Required_Columns/ Check_Ship_Code_Id	Checks for availability of valid values for SHIP_TO_LOCATION_CODE or SHIP_TO_LOCATION_ID when the ASN_TYPE is 'ASN'.	SB-POREC20184
Validate_Foreign_Key_Checks/ Check_Shipment_Header_Id	Does the foreign key validation shipment_header_id field in rcv_transactions_interface table.	SB-POREC20170
Validate_Foreign_Key_Checks/ Check_Shipment_Line_Id	Does the foreign key validation shipment_line_id field in rcv_transactions_interface table.	SB-POREC20171
Validate_Foreign_Key_Checks/ Check_Source_Doc_Unit_Of_Measr	Does the foreign key validation for source_doc_unit_of_measure field in rcv_transactions_interface table.	SB-POREC20168
Validate_Required_Columns/ Check_Source_Document_Code	Checks for a valid value in Source_Document_Code field of rcv_transactions_header table.	SB-POREC20135
Derive_Required_Columns/ Check_Source_Document_Code	Validates for a valid value in Source_Document_Code field in rcv_transactions_interface table. The value allowed is 'PO'.	SB-POREC20179
Validate_Foreign_Key_Checks/ Check_Subinventory	Does the foreign key validation for subinventory field in rcv_transactions_interface table.	SB-POREC20163
Validate_Required_Columns/ Check_Transaction_Date	Checks for a valid value in Transaction_Date field of rcv_transactions_header table.	SB-POREC20123
Validate_Required_Columns/ Check_Transaction_Status_Code	Checks for a valid value in Transaction_Status_Code field of rcv_transactions_header table.	SB-POREC20126
Derive_Required_Columns/ Check_Transaction_Status_Code	Checks for value in Transaction_Status_Code. Values allowed are 'ERROR' and 'COMPLETED'.	SB-POREC-20188
Validate_Required_Columns/ Check_Transaction_Type	Checks for a valid value in Transaction_Type field of rcv_transactions_header table.	SB-POREC20122

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ Check_Transaction_Type	Validates for a valid value in Transaction_Type field in rcv_transactions_interface table. The values allowed are 'SHIP' or 'RECEIVE'.	SB-POREC20174
Validate_Foreign_Key_Checks/ Check_Tsrptn_Account_Id	Does the foreign key validation for Transportation_Account_Id field in rcv_transactions_interface table.	SB-POREC20155
Validate_Required_Columns/ Check_Unit_Of_Measure	Checks for a valid value in Unit_Of_Measure field of rcv_transactions_header table.	SB-POREC20128
Validate_Foreign_Key_Checks/ Check_UOM_Code	Does the foreign key validation for uom_code field in rcv_transactions_interface table.	SB-POREC20165
Derive_Required_Columns/ Check_Valid_Item_Category	Checks the validity of Item_category in mtl_categories table.	SB-POREC-20191
Derive_Required_Columns/ Check_Valid_Loc_Code	Checks validity of ship_to_location_code in hr_locations table.	SB-POREC-20192
Derive_Required_Columns/ Check_Valid_Vendor_Name	Checks validity of Vendor_Name in po_suppliers_val_v table.	SB-POREC-20193
Derive_Required_Columns/ Check_Valid_Vendor_Num	Checks validity of Vendor_Num in po_suppliers_val_v table.	SB-POREC-20194
Validate_Required_Columns/ Check_Validation_Flag	Checks for a value in Header_Interface_Id field of rcv_transactions_header table. Should not be null.	SB-POREC20138
Derive_Required_Columns/ Check_Validation_Flag	Checks for valid values in validation_flag in rcv_transactions_interface table; accepts 'Y' or 'N'.	SB-POREC20181
Validate_Required_Columns/ Check_Vendor_Name_Num	Checks for a valid value in Vendor_Name or Vendor_Num field of rcv_transactions_header table. Either one should have a valid value.	SB-POREC20134
Validate_Foreign_Key_Checks/ Check_Wip_Entity_Id	Does the foreign key validation for wip_entity_id field in rcv_transaction_interface table.	SB-POREC20153
Validate_Foreign_Key_Checks/ Check_Wip_Line_Id	Does the foreign key validation for wip_line_id field in rcv_transactions_interface table.	SB-POREC20156
Validate_Foreign_Key_Checks/ Check_Wip_Rptv_Schedule_Id	Does the foreign key validation for repetitive_schedule_id field in rcv_transactions_interface table.	SB-POREC20157

Table 17 sb_validate_rcv_trans_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Worwip_Entity_Id	Does the foreign key validation for wip_entity_id field in rcv_transactions_interface with wip_operations_resources table.	SB-POREC20159
Validate_Foreign_Key_Checks/ Check_Wowip_Entity_Id	Does the foreign key validation for wip_entity_id field in rcv_transactions_interface with wip_operations table.	SB-POREC20158
Derive_Required_Columns/ Derive_Category_Id	Derives Category_Id for a given Item_Category.	N/A
Derive_Required_Columns/ Derive_Deliver_to_Location_ID	Derives Deliver_to_Location_ID for a given Deliver_to_Location_Code.	N/A
Derive_Required_Columns/ Derive_Distribution_Num	Derives Distribution_Num for a given po_distribution_id.	N/A
Derive_Required_Columns/ Derive_Document_Line_Num	Derives Document_Line_Num for a given po_line_id.	N/A
Derive_Required_Columns/ Derive_Document_Num	Derives Document_Num for a given Po_Header_Id.	N/A
Derive_Required_Columns/ Derive_Employee_ID	Derives Employee_ID for a given Employee_Name when transaction_Type is 'DELIVER'.	N/A
Derive_Required_Columns/ Derive_Frieght_Carrier_Code	Derives Frieght_Carrier_Code for a given organization_id.	N/A
Derive_Required_Columns/ Derive_Location_ID	Derives a Location_ID for a given Location_Code.	N/A
Derive_Required_Columns/ Derive_Release_num	Derives Release_Num for a given po_release_id.	N/A
Derive_Required_Columns/ Derive_Ship_Loc_Code_ID	Derives a Ship_To_Location_Id for a given Ship_To_Location_Code.	N/A
Derive_Required_Columns/ Derive_To_Org_id	Derives To_Organization_ID for a given to_organization_Code.	N/A
Derive_Required_Columns/ Derive_Vendor_Site_ID	Derives Vendor_Site_ID for a given Vendor_Site_Code.	N/A
Derive_Required_Columns/ Derive_Vendor_ID	Derives Vendor_Id for a given Vendor_Name and Vendor_Num.	N/A

A.2.3 Requisitions

Table 18 sb_validate_por_req_pkg

Validation Procedure/ Sub-Routine	Purpose	Error Code
Derive_Required_Columns/ accrual_acc_ID_Exp	Derives Accrual_Account_ID from po_system_parameters table if Destination_Type_Code EXPENSE.	N/A
Derive_Required_Columns/ accrual_acc_ID_Inv	Derives Accrual_Account_ID from mtl_parameters table if Destination_Type_Code is INVENTORY.	N/A
Derive_Required_Columns/ Budget_Acc_ID_Exp	Derives Budget_Account_ID from Charge_Account_ID field if Destination_Type_Code is EXPENSE or SHOP FLOOR.	N/A
Derive_Required_Columns/ Budget_Acc_ID_Inv	Derives Budget_Account_ID from mtl_item_sub_inventories, mtl_secondary_inventories tables if Destination_Type_Code is INVENTORY.	N/A
Derive_Required_Columns/ Item_Description	Derives Item_Description for a given Item_ID from Mtl_System_Items_B table.	N/A
Derive_Required_Columns/ Unit_Price	Derives Unit_Price for a given Item_ID from Mtl_System_Items table.	N/A
Derive_Required_Columns/ Variance_Acc_ID_Exp	Derives Variance_Account_ID from Charge_Account_ID field if Destination_Type_Code is EXPENSE.	N/A
Derive_Required_Columns/ Variance_Acc_ID_Inv	Derives Variance_Account_ID from mtl_parameters table if Destination_Type_Code is INVENTORY or SHOP FLOOR.	N/A
Perform_Other_Validations/ Check_Category_ID_Val	Checks the validity of Category_ID for the given Item_ID and Organization_ID.	SB-POREQ-20171
Perform_Other_Validations/ Check_Deli_To_Loc_ID_FK	Checks validity of Deliver_To_Location_ID in Hr_Locations table.	SB-POREQ-20170
Perform_Other_Validations/ Check_Dest_Type_Code_Exp	Checks whether the item is Purchasing enabled for a given Destination_Organization_ID if Destination_Type_Code is EXPENSE.	SB-POREQ-20166
Perform_Other_Validations/ Check_Dest_Type_Code_Inv	Checks whether the item is stock enabled for a given Destination_Organization_ID if Destination_Type_Code is INVENTORY.	SB-POREQ-20165

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Perform_Other_Validations/ Check_Dest_Type_Code_Shop	Checks whether the item is Purchasing enabled and Stock enabled for a given Destination_Organization_ID if Destination_Type_Code is SHOP FLOOR.	SB-POREQ-20167
Perform_Other_Validations/ Check_Src_Type_Code_Inv	Checks whether the item is Stock enabled and Internal Order enabled for a given Source_Organization_ID if Source_Type_Code is INVENTORY.	SB-POREQ-20168
Perform_Other_Validations/ Check_Src_Type_Code_Ven	Checks whether the item is purchasing enabled given Destination_Organization_ID if Source_Type_Code is VENDOR.	SB-POREQ-20169
Validate_Foreign_Key_Checks/ Check_Accrual_Account_ID	Checks validity of Accrual_Account_ID in Gl_Code_Combinations table.	SB-POREQ-20138
Validate_Foreign_Key_Checks/ Check_Approver_ID	Checks validity of Approver_ID in hr_employees table.	SB-POREQ-20145
Validate_Foreign_Key_Checks/ Check_Autosource_Doc_Header_ID	Checks validity of Autosource_Doc_Header_ID in po_autosource_documents_all table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20146
Validate_Foreign_Key_Checks/ Check_Budget_Account_ID	Checks validity of Budget_Account_ID in Gl_Code_Combinations table.	SB-POREQ-20140
Validate_Foreign_Key_Checks/ Check_Category_ID	Checks validity of Category_ID in Mtl_Categories_B table.	SB-POREQ-20116
Validate_Foreign_Key_Checks/ Check_Charge_Account_ID_FK	Checks validity of Charge_Account_ID in gl_code_combinations table.	SB-POREQ-20164
Validate_Foreign_Key_Checks/ Check_Currency_Code	Checks validity of Currency_Code in fnd_currencies table.	SB-POREQ-20142
Validate_Foreign_Key_Checks/ Check_Del_To_Req_ID_FK	Checks validity of Deliver_To_Requestor ID in hr_employees table.	SB-POREQ-20131
Validate_Foreign_Key_Checks/ Check_Dest_Org_ID_FK	Checks validity of Destination_Organization_ID in org_organization_definitions table.	SB-POREQ-20128
Validate_Foreign_Key_Checks/ Check_Dest_Subin_FK	Checks validity of Destination_Subinventory for a given Destination_Organization_ID in MTL_Secondary_Inventories table.	SB-POREQ-20130
Validate_Foreign_Key_Checks/ Check_Document_Type_Code	Checks validity of Document_Type_Code in po_document_types_all_b table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20159

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Expenditure_Type	Checks validity of Expenditure_Type in pa_expenditure_types table.	SB-POREQ-20158
Validate_Foreign_Key_Checks/ Check_HAZARD_CLASS_ID	Checks validity of Hazard_Class_ID in po_hazard_classes_b table.	SB-POREQ-20120
Validate_Foreign_Key_Checks/ Check_Item_ID	Checks validity of Item_ID in mtl_system_items_b table.	SB-POREQ-20162
Validate_Foreign_Key_Checks/ Check_Item_Revision	Checks validity of Item_Revision in mtl_item_revisions table.	SB-POREQ-20163
Validate_Foreign_Key_Checks/ Check_Kanban_Card_ID	Checks validity of Kanban_Card_ID in mtl_kanban_cards table.	SB-POREQ-20160
Validate_Foreign_Key_Checks/ Check_Line_Type_ID	Checks validity of Line_Type in po_line_types_b table.	SB-POREQ-20118
Validate_Foreign_Key_Checks/ Check_Note1_ID	Checks validity of Note1_ID in Po_Notes table.	SB-POREQ-20137
Validate_Foreign_Key_Checks/ Check_Note2_ID	Checks validity of Note2_ID in Po_Notes table.	SB-POREQ-20149
Validate_Foreign_Key_Checks/ Check_Note3_ID	Checks validity of Note3_ID in Po_Notes table.	SB-POREQ-20150
Validate_Foreign_Key_Checks/ Check_Note4_ID	Checks validity of Note4_ID in Po_Notes table.	SB-POREQ-20151
Validate_Foreign_Key_Checks/ Check_Note5_ID	Checks validity of Note5_ID in Po_Notes table.	SB-POREQ-20152
Validate_Foreign_Key_Checks/ Check_Note6_ID	Checks validity of Note6_ID in Po_Notes table.	SB-POREQ-20153
Validate_Foreign_Key_Checks/ Check_Note7_ID	Checks validity of Note7_ID in Po_Notes table.	SB-POREQ-20154
Validate_Foreign_Key_Checks/ Check_Note8_ID	Checks validity of Note8_ID in Po_Notes table.	SB-POREQ-20155
Validate_Foreign_Key_Checks/ Check_Note9_ID	Checks validity of Note9_ID in Po_Notes table.	SB-POREQ-20156
Validate_Foreign_Key_Checks/ Check_Note10_ID	Checks validity of Note10_ID in Po_Notes table.	SB-POREQ-20157
Validate_Foreign_Key_Checks/ Check_Preparer_ID_FK	Checks validity of Preparer_ID in hr_employees table.	SB-POREQ-20161
Validate_Foreign_Key_Checks/ Check_Project_ID	Checks validity of Project_ID in pa_projects_all table.	SB-POREQ-20147
Validate_Foreign_Key_Checks/ Check_Rate	Checks validity of Rate in gl_daily_conversion_rates_r10 table.	SB-POREQ-20143
Validate_Foreign_Key_Checks/ Check_Rate_Type	Checks validity of Rate_Type in gl_daily_conversion_types table.	SB-POREQ-20144

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_Req_Distribution_ID	Checks validity of Req_Distribution_ID in Po_Req_Distributions_All table	SB-POREQ-20135
Validate_Foreign_Key_Checks/ Check_Requisition_Header_ID	Checks validity of Requisition_Header_ID in PO_Requisition_Headers_All table.	SB-POREQ-20115
Validate_Foreign_Key_Checks/ Check_Requisition_Line_ID	Checks validity of Requisition_Line_ID in po_requisition_lines_all table.	SB-POREQ-20126
Validate_Foreign_Key_Checks/ Check_Source_Organization_ID	Checks validity of Source_Organization_ID in org_organization_definitions table, if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20127
Validate_Foreign_Key_Checks/ Check_Source_Subinventory	Checks validity of Source_Subinventory in MTL_Secondary_Inventories table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20129
Validate_Foreign_Key_Checks/ Check_Sug_Vendor_Con_ID	Checks validity of Suggested_Vendor_Contact_ID in Po_Vendor_Contacts table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20136
Validate_Foreign_Key_Checks/ Check_Suggested_Buyer_ID	Checks validity of Suggested_Buyer_ID in po_agents table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20132
Validate_Foreign_Key_Checks/ Check_Suggested_Vendor_ID	Checks validity of Suggested_Vendor_ID in po_vendors table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20133
Validate_Foreign_Key_Checks/ Check_Suggested_Vendor_Site_ID	Checks validity of Suggested_Vendor_Site_ID in po_vendor_sites_all table if Auto source Flag is not equal to 'Y' or 'P'.	SB-POREQ-20134
Validate_Foreign_Key_Checks/ Check_Task_ID	Checks validity of Task_ID in pa_tasks table.	SB-POREQ-20148
Validate_Foreign_Key_Checks/ Check_UN_Number_ID	Checks validity of UN_Number_ID in po_un_numbers_b table.	SB-POREQ-20119
Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure	Checks validity of Unit_Of_Measure in mtl_units_of_measure_tl table.	SB-POREQ-20117
Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code	Checks validity of Ussgl_Transaction_Code in gl_ussgl_transaction_codes table.	SB-POREQ-20141
Validate_Foreign_Key_Checks/ Check_Variance_Account_ID	Checks validity of Variance_Account_ID in Gl_Code_Combinations table.	SB-POREQ-20139

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID	Checks validity of WIP_Entity_ID for a given Destination_Organization_D in wip_entities table.	SB-POREQ-20121
Validate_Foreign_Key_Checks/ Check_WIP_Line_ID	Checks validity of WIP_Line_ID for a given Destination_Organization_ID in wip_lines table.	SB-POREQ-20122
Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID_O	Checks validity of WIP_Entity_ID for a given Destination_Organization_ID, Operation_Sequence_Num, and Repetitive_Schedule_ID in wip_operations table.	SB-POREQ-20123
Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID_OR	Checks validity of WIP_Entity_ID for a given Destination_Organization_ID, Operation_Sequence_Num, and Repetitive_Schedule_ID in wip_operation_resources table.	SB-POREQ-20124
Validate_Foreign_Key_Checks/ Check_WIP_Rept_Sch_ID	Checks validity of WIP_Repetitive_Schedule_ID for a given Destination_Organization_ID in wip_repetitive_schedules table.	SB-POREQ-20125
Validate_Required_Columns/ Check_Authorization_Status	Checks for the required field Authorization_Status in sb_po_req_interface_all table.	SB-POREQ-20102
Validate_Required_Columns/ Check_Charge_Account_ID	Checks for the required fields Charge_Account_ID and Charge_Account_Segment in sb_po_req_interface_all table.	SB-POREQ-20105
Validate_Required_Columns/ Check_Currency_Code	Checks for the Rate_Date and Rate_Type if Currency_Code exists in sb_po_req_interface_all table.	SB-POREQ-20109
Validate_Required_Columns/ Check_Deli_To_Loc_ID	Checks for the required Deliver_To_Location_ID and Deliver_To_Location_Code in sb_po_req_interface_all table.	SB-POREQ-20107
Validate_Required_Columns/ Check_Deli_To_Reqtor_ID	Checks for the required Deliver_To_Requestor_ID and Deliver_To_Requestor_Name in sb_po_req_interface_all table.	SB-POREQ-20108
Validate_Required_Columns/ Check_Dest_Org_ID	Checks for the required fields Destination_Organization_ID and Destination_Organization_Code in sb_po_req_interface_all table.	SB-POREQ-20106

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Required_Columns/ Check_Dest_Subin	Checks for the Item_ID and Item_Segment if Destination_Type_Code is INVENTORY in sb_po_req_interface_all table.	SB-POREQ-20111
Validate_Required_Columns/ Check_Dest_Subinv	Checks for Destination_Subinventory if Destination_Type_Code is INVENTORY in sb_po_req_interface_all table.	SB-POREQ-20111
Validate_Required_Columns/ Check_Destination_Type_Code	Checks for the required field Destination_Type_Code in sb_po_req_interface_all table.	SB-POREQ-20101
Validate_Required_Columns/ Check_Interface_Source_Code	Checks for the required field Interface_Source_Code in sb_po_req_interface_all table.	SB-POREQ-20100
Validate_Required_Columns/ Check_Preparer_ID	Checks for the required fields Preparer_ID and Preparer_Name in sb_po_req_interface_all table.	SB-POREQ-20104
Validate_Required_Columns/ Check_Proj_Acct_Cont	Checks for the Project_Num, Project_ID, Task_ID, Task_Num, Expenditure_Type and Expenditure_Organization_ID if Project_Accounting_Context is 'Y' in sb_po_req_interface_all table.	SB-POREQ-20110
Validate_Required_Columns/ Check_Quantity	Checks for the required field Quantity in sb_po_req_interface_all table.	SB-POREQ-20103
Validate_Required_Columns/ Check_Req_Type	Checks for Requisition_Type is INTERNAL or PURCHASE in sb_po_req_interface_all table.	SB-POREQ-20114
Validate_Required_Columns/ Check_Src_Type_Code	Checks for the Item_ID and Item_Segment if Source_Type_Code is INVENTORY in sb_po_req_interface_all table.	SB-POREQ-20112
Validate_Required_Columns/ Check_Src_Type_Code1	Checks for Source Type Code if Destination Type Code is EXPENSE or SHOP FLOOR in sb_po_req_interface_all table.	SB-POREQ-20113
Validate_Required_Columns/ Deliver_To_Location_Id	Derives the Deliver_To_Location ID for a given Deliver_To_Location_Code in sb_po_req_interface_all table.	N/A
Validate_Required_Columns/ Deliver_To_Requestor_Id	Derives Deliver_To_Requestor_ID for a given Deliver_To_Requestor_Name in sb_po_req_interface_all table.	N/A

Table 18 sb_validate_por_req_pkg (Continued)

Validation Procedure/ Sub-Routine	Purpose	Error Code
Validate_Required_Columns/ Derive_Desti_Org_ID	Derives Destination_Organization_ID for a given Destination_Organization_Code in sb_po_req_interface_all table.	N/A

Error Codes

This chapter provides a description of each of the error codes returned by the validation scripts. A description of the validation process is found in [“Pre-Validation Process” on page 23](#). A description of the validation scripts is found in [“Validation Scripts” on page 68](#).

Chapter topics

- [“Inventory” on page 116](#)
 - ♦ [“Customer Items” on page 116](#)
 - ♦ [“Customer Item Cross-Reference” on page 118](#)
 - ♦ [“Cycle Count Entries” on page 120](#)
 - ♦ [“Items” on page 122](#)
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B.1 Inventory

B.1.1 Customer Items

Table 19 sb_validate_cust_items_pkg

Error Code	Error Message	Generated from
SB-INVCIT-25301	Customer_Item_Number is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Cust_Item_Number
SB-INVCIT-25302	Transaction_Type is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Type
SB-INVCIT-25303	Item_Definition_Level is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Item_Def_Level
SB-INVCIT-25304	Customer Id, Number and Name are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Customer
SB-INVCIT-25305	Address columns are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Address
SB-INVCIT-25306	Customer category columns are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Cust_Category
SB-INVCIT-25307	Commodity code columns are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Commodity
SB-INVCIT-25308	Container item org columns are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Container_Item
SB-INVCIT-25309	Model customer item columns are mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Model_Cust_Item
SB-INVCIT-25310	Customer_Id is invalid.	Validate_Foreign_Key_Checks/ Check_Customer_Id
SB-INVCIT-25311	Customer_Number is invalid.	Validate_Foreign_Key_Checks/ Check_Customer_No
SB-INVCIT-25312	Customer_Name is invalid.	Validate_Foreign_Key_Checks/ Check_Customer_Name
SB-INVCIT-25313	Address_Id is invalid.	Validate_Foreign_Key_Checks/ Check_Address_Valid
SB-INVCIT-25314	Customer Category columns are invalid.	Validate_Foreign_Key_Checks/ Check_Cust_Cat_Code
SB-INVCIT-25315	Model customer item columns are invalid.	Validate_Foreign_Key_Checks/ Check_Model_Cust_Item_Id
SB-INVCIT-25316	Commodity code is inactive.	Perform_Other_Validations/ Check_Commodity_Active

Table 19 sb_validate_cust_items_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVCIT-25317	Container_item_org_id is invalid.	Perform_Other_Validations/ Check_Container_Org_Id
SB-INVCIT-25318	Inactive flag has invalid value.	Perform_Other_Validations/ Check_Inactive_Flag
SB-INVCIT-25319	Container_org_code is invalid.	Perform_Other_Validations/ Check_Container_Org_Code
SB-INVCIT-25320	Container org name is invalid.	Perform_Other_Validations/ Check_Container_Org_Name
SB-INVCIT-25321	Demand tolerance positive value is invalid.	Perform_Other_Validations/ Check_Demand_Tolerance_Pstv
SB-INVCIT-25322	Demand tolerance negative value is invalid.	Perform_Other_Validations/ Check_Demand_Tolerance_Ngtv
SB-INVCIT-25323	Min_Fill_Percentage is invalid.	Perform_Other_Validations/ Check_Min_Fill_Percent
SB-INVCIT-25324	Departure plan required flag is invalid.	Perform_Other_Validations/ Check_Dep_Plan_Reqd_Flag
SB-INVCIT-25325	Departure plan build flag is invalid.	Perform_Other_Validations/ Check_Dep_Plan_Build_Flag
SB-INVCIT-25326	Departure plan flags combination is invalid.	Perform_Other_Validations/ Check_Dep_Plan_Flags

B.1.2 Customer Item Cross-Reference

Table 20 sb_validate_ci_xrefs_pkg

Error Code	Error Message	Generated from
SB-INVCCR-22601	Process_flag is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_flag
SB-INVCCR-22602	Process_mode is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_mode
SB-INVCCR-22603	Last_update_date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Last_update_date
SB-INVCCR-22604	Last_updated_by is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Last_updated_by
SB-INVCCR-22605	Creation_date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_creation_date
SB-INVCCR-22606	Created_by is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_created_by
SB-INVCCR-22607	Transaction_Type is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Type
SB-INVCCR-22608	Cust_Item_Number is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Cust_Item_Number
SB-INVCCR-22609	Preference_Number is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Preference_Number
SB-INVCCR-22610	Inactive_flag is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Inactive_flag
SB-INVCCR-22611	Lock_flag is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Lock_flag
SB-INVCCR-22612	Cust_Category is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Cust_Category
SB-INVCCR-22613	Address is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Address
SB-INVCCR-22614	Item_Def_Level is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Item_Def_Level
SB-INVCCR-22615	Customer is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Customer
SB-INVCCR-22616	Customer_Id is invalid.	Validate_Foreign_Keys/ Check_Customer_Id
SB-INVCCR-22617	Customer_No is invalid.	Validate_Foreign_Keys/ Check_Customer_No
SB-INVCCR-22618	Customer_Name is invalid.	Validate_Foreign_Keys/ Check_Customer_Name
SB-INVCCR-22619	Address_Valid is invalid.	Validate_Foreign_Keys/ Check_Address_Valid
SB-INVCCR-22620	Cust_Cat_Code is invalid.	Validate_Foreign_Keys/ Check_Cust_Cat_Code

Table 20 sb_validate_ci_xrefs_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVCCR-22621	Customer_item_id is invalid.	Validate_Foreign_Keys/ Check_Customer_item_id
SB-INVCCR-22622	Master_Organization_id is invalid.	Validate_Foreign_Keys/ Check_Master_Organization_id
SB-INVCCR-22623	Inventory_Item_id is invalid.	Validate_Foreign_Keys/ Check_Inventory_Item_id
SB-INVCCR-22624	Inactive_Flag is invalid.	Perform_Other_Validations/ Check_Inactive_Flag

B.1.3 Cycle Count Entries

Table 21 sb_validate_cc_entries_pkg

Error Code	Error Message	Generated from
SB-INVCCE-23301	CC_ENTRY_INTERFACE_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_CC_Entry_Interface_ID
SB-INVCCE-23302	ORGANIZATION_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_ID
SB-INVCCE-23303	ACTION_CODE is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Action_Code
SB-INVCCE-23304	EMPLOYEE_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Employee_ID
SB-INVCCE-23310	ADJUSTMENT_ACCOUNT_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Adjustment_Account_ID
SB-INVCCE-23311	CYCLE_COUNT_ENTRY_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Cycle_Count_Entry_ID
SB-INVCCE-23312	CYCLE_COUNT_HEADER_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Cycle_Count_Header_ID
SB-INVCCE-23313	LOCATOR_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Locator_ID
SB-INVCCE-23314	REVISION is invalid.	Validate_Foreign_Key_Checks/ Check_Revision
SB-INVCCE-23315	LOT_NUMBER is invalid.	Validate_Foreign_Key_Checks/ Check_Lot_Number
SB-INVCCE-23316	ORGANIZATION_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Organization_ID
SB-INVCCE-23317	SUBINVENTORY is invalid.	Validate_Foreign_Key_Checks/ Check_SubInventory
SB-INVCCE-23318	SERIAL_NUMBER is invalid.	Validate_Foreign_Key_Checks/ Check_Serial_Number
SB-INVCCE-23319	INVENTORY_ITEM_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID
SB-INVCCE-23320	TRANSACTION_REASON_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Transaction_Reason_ID
SB-INVCCE-23321	COUNT_UNIT_OF_MEASURE is invalid.	Validate_Foreign_Key_Checks/ Check_Count_Unit_Of_Measure
SB-INVCCE-23322	COUNT_UOM is invalid.	Validate_Foreign_Key_Checks/ Check_Count_UOM
SB-INVCCE-23330	EMPLOYEE_ID value is not valid.	Perform_Other_Validations/ Check_EMPLOYEE_ID
SB-INVCCE-23331	PROJECT_ID value is not valid.	Perform_Other_Validations/ Check_Project_ID

Table 21 sb_validate_cc_entries_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVCCE-23332	TASK_ID value is not valid.	Perform_Other_Validations/ Check_Task_ID
SB-INVCCE-23333	VALID_FLAG value is not valid.	Perform_Other_Validations/ Check_Valid_Flag
SB-INVCCE-23334	DELETE_FLAG value is not valid.	Perform_Other_Validations/ Check_Delete_Flag
SB-INVCCE-23335	LOCK_FLAG value is not valid.	Perform_Other_Validations/ Check_Lock_Flag
SB-INVCCE-23336	PROCESS_FLAG value is not valid.	Perform_Other_Validations/ Check_Process_Flag
SB-INVCCE-23337	PROCESS_MODE value is not valid.	Perform_Other_Validations/ Check_Process_Mode
SB-INVCCE-23338	STATUS_FLAG value is not valid.	Perform_Other_Validations/ Check_Status_Flag

B.1.4 Items

Table 22 sb_validate_items_pkg

Error Code	Error Message	Generated from
SB-INVITM-21301	Organization_Code or Organization_Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_Id
SB-INVITM-21302	item_Number or Segment#s 1 to 20 is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Item
SB-INVITM-21303	Process_Flag is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_Flag
SB-INVITM-21304	Transaction_Type is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Tran_Type
SB-INVITM-21305	Set_Process_Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Proc_Id
SB-INVITM-21306	Summary_Flag is invalid.	Perform_Other_Validations/ Check_Summary_Flag
SB-INVITM-21307	Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Enabled_Flag
SB-INVITM-21308	Purchasing_Item_Flag is invalid.	Perform_Other_Validations/ Check_Purchase_Item_Flag
SB-INVITM-21309	Shippable_Item_Flag is invalid.	Perform_Other_Validations/ Check_Ship_Item_Flag
SB-INVITM-21310	Customer_Order_Flag is invalid.	Perform_Other_Validations/ Check_Cust_Order_Flag
SB-INVITM-21311	Internal_Order_Flag is invalid.	Perform_Other_Validations/ Check_Int_Order_Flag
SB-INVITM-21312	Service_Item_Flag is invalid.	Perform_Other_Validations/ Check_Service_Item_Flag
SB-INVITM-21313	Service_Starting_Delay is less than Zero.	Perform_Other_Validations/ Check_Service_Start_Delay
SB-INVITM-21314	Inventory_Item_Flag is invalid.	Perform_Other_Validations/ Check_Inv_Item_Flag
SB-INVITM-21315	Eng_Item_Flag is invalid.	Perform_Other_Validations/ Check_Eng_Item_Flag
SB-INVITM-21316	Inventory_Asset_Flag is invalid.	Perform_Other_Validations/ Check_Inv_Asset_Flag
SB-INVITM-21317	Purchasing_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Pur_Enabled_Flag
SB-INVITM-21318	Customer_Order_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Cust_Order_Enabled_Flag
SB-INVITM-21319	Internal_Order_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Int_Order_Enabled_Flag

Table 22 sb_validate_items_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVITM-21320	So_Transactions_Flag is invalid.	Perform_Other_Validations/ Check_SO_Trans_Flag
SB-INVITM-21321	Mtl_Transactions_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_MTL_Trans_Enabled_Flag
SB-INVITM-21322	Stock_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Stock_Enabled_Flag
SB-INVITM-21323	Bom_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_BOM_Enabled_Flag
SB-INVITM-21324	Build_In_Wip_Flag is invalid.	Perform_Other_Validations/ Check_Buildin_WIP_Flag
SB-INVITM-21325	Allow_Item_Desc_Update_Flag is invalid.	Perform_Other_Validations/ Check_Item_Desc_Upd_Flag
SB-INVITM-21326	Receipt_Required_Flag is invalid.	Perform_Other_Validations/ Check_Receipt_Required_Flag
SB-INVITM-21327	Rfq_Required_Flag is invalid.	Perform_Other_Validations/ Check_RFQ_Reqd_Flag
SB-INVITM-21328	Planning_Time_Fence_Days is less than Zero.	Perform_Other_Validations/ Check_Plan_Time_Fence_Days
SB-INVITM-21329	Pick_Components_Flag is invalid.	Perform_Other_Validations/ Check_Pick_Comps_Flag
SB-INVITM-21330	Replenish_To_Order_Flag is invalid.	Perform_Other_Validations/ Check_Repl_To_Order_Flag
SB-INVITM-21331	ATP_Components_Flag is invalid.	Perform_Other_Validations/ Check_ATP_Components_Flag
SB-INVITM-21332	Cost_Of_Sales_Account is invalid.	Validate_Foreign_Key_Checks/ Check_Cost_of_Sales_Act
SB-INVITM-21333	Sales_Account is invalid.	Validate_Foreign_Key_Checks/ Check_Sales_Act_DSP
SB-INVITM-21334	Encumbrance_Account is invalid.	Validate_Foreign_Key_Checks/ Check_Encumbrance_Account
SB-INVITM-21335	Expense_Account is invalid.	Validate_Foreign_Key_Checks/ Check_Expense_Account
SB-INVITM-21336	List_Price_Per_Unit is less than Zero.	Perform_Other_Validations/ Check_List_Price_Unit
SB-INVITM-21337	Taxable_Flag is invalid.	Perform_Other_Validations/ Check_Taxable_Flag
SB-INVITM-21338	Expense_Billable_Flag is invalid.	Perform_Other_Validations/ Check_Expense_Billable_Flag
SB-INVITM-21339	Time_Billable_Flag is invalid.	Perform_Other_Validations/ Check_Time_Billable_Flag
SB-INVITM-21340	Service_Duration is invalid.	Perform_Other_Validations/ Check_Service_Duration

Table 22 sb_validate_items_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVITM-21341	Market_Price is less than Zero.	Perform_Other_Validations/ Check_Market_Price
SB-INVITM-21342	Price_Tolerance_Percent is less than Zero.	Perform_Other_Validations/ Check_Price_Tolerance_pc
SB-INVITM-21343	Shelf_Life_Days is less than Zero.	Perform_Other_Validations/ Check_Shelf_Life
SB-INVITM-21344	Repetitive_Planning_Flag is invalid.	Perform_Other_Validations/ Check_Rep_Plan_Flag
SB-INVITM-21345	Acceptable_Rate_Decrease is less than Zero.	Perform_Other_Validations/ Check_Rate_Decrease
SB-INVITM-21346	Acceptable_Rate_Increase is less than Zero.	Perform_Other_Validations/ Check_Rate_Increase
SB-INVITM-21347	Assembly_Pegging_Flag is invalid.	Perform_Other_Validations/ Check_Assembly_Pegging_Flag
SB-INVITM-21348	Postprocessing_Lead_Time is less than Zero.	Perform_Other_Validations/ Check_Post_Proc_Lead_Time
SB-INVITM-21349	Vendor_Warranty_Flag is invalid.	Perform_Other_Validations/ Check_Vendor_Warranty_Flag
SB-INVITM-21350	Serviceable_Component_Flag is invalid.	Perform_Other_Validations/ Check_Serv_Comp_Flag
SB-INVITM-21351	Serviceable_Product_Flag is invalid.	Perform_Other_Validations/ Check_Serv_Product_Flag
SB-INVITM-21352	Preventive_Maintenance_Flag is invalid.	Perform_Other_Validations/ Check_Prevent_Maint_Flag
SB-INVITM-21353	Ship_Model_Complete_Flag is invalid.	Perform_Other_Validations/ Check_Ship_Model_Complete_Flag
SB-INVITM-21354	Prorate_Service_Flag is invalid.	Perform_Other_Validations/ Check_Prorate_Service_Flag
SB-INVITM-21355	Invoiceable_Item_Flag is invalid.	Perform_Other_Validations/ Check_Invoice_Item_Flag
SB-INVITM-21356	Invoice_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Invoice_Enabled_Flag
SB-INVITM-21357	Must_Use_Approved_Vendor_Flag is invalid.	Perform_Other_Validations/ Check_MustUse_ApprVendor_Flag
SB-INVITM-21358	Outside_Operation_Flag is invalid.	Perform_Other_Validations/ Check_Outside_Operation_Flag
SB-INVITM-21359	Costing_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Costing_Enabled_Flag
SB-INVITM-21360	Cycle_Count_Enabled_Flag is invalid.	Perform_Other_Validations/ Check_Cycle_Count_Enabled_Flag
SB-INVITM-21361	Auto_Created_Config_Flag is invalid.	Perform_Other_Validations/ Check_Auto_Created_Config_Flag

Table 22 sb_validate_items_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVITM-21362	Container_Item_Flag is invalid.	Perform_Other_Validations/ Check_Container_Item_Flag
SB-INVITM-21363	Vehicle_Item_Flag is invalid.	Perform_Other_Validations/ Check_Vehicle_Item_Flag
SB-INVITM-21364	Check_Org_ID_Code is invalid.	Perform_Other_Validations/ Check_Org_ID_Code
SB-INVITM-21365	Wip_Supply_Type is invalid.	Perform_Other_Validations/ Check_WIP_Supply_Type
SB-INVITM-21366	Lot_Control_Code is invalid.	Perform_Other_Validations/ Check_Lot_Control_Code
SB-INVITM-21367	Shelf_Life_Code is invalid.	Perform_Other_Validations/ Check_Shelf_Life_Code
SB-INVITM-21368	Serial_Number_Control_Code is invalid.	Perform_Other_Validations/ Check_SI_No_Control_Code
SB-INVITM-21369	Restrict_Subinventories_Code is invalid.	Perform_Other_Validations/ Check_Sub_Inv_Code
SB-INVITM-21370	Restrict_Locators_Code is invalid.	Perform_Other_Validations/ Check_Restrict_Locators_Code
SB-INVITM-21371	Planning_Time_Fence_Code is invalid.	Perform_Other_Validations/ Check_Plan_Time_Fence_Code
SB-INVITM-21372	Bom_Item_Type is invalid.	Perform_Other_Validations/ Check_BOM_Item_Type
SB-INVITM-21373	Allowed_Units_Lookup_Code is invalid.	Perform_Other_Validations/ Check_Allowed_Units_Code
SB-INVITM-21374	Inventory_Planning_Code is invalid.	Perform_Other_Validations/ Check_Inv_Planning_Code
SB-INVITM-21375	Planning_Make_Buy_Code is invalid.	Perform_Other_Validations/ Check_Plan_Make_Buy_Code
SB-INVITM-21376	Mrp_Safety_Stock_Code is invalid.	Perform_Other_Validations/ Check_MRP_Safety_stock_Code
SB-INVITM-21377	Material_Billable_Flag is invalid.	Perform_Other_Validations/ Check_Material_Billable_Flag
SB-INVITM-21378	Reservable_Type is invalid.	Perform_Other_Validations/ Check_Reservable_Type
SB-INVITM-21379	Return_Inspection_Requirement is invalid.	Perform_Other_Validations/ Check_Return_Insp_Reqmt
SB-INVITM-21380	Mrp_Planning_Code is invalid.	Perform_Other_Validations/ Check_MRP_Planning_Code
SB-INVITM-21381	Location_Control_Code is invalid.	Perform_Other_Validations/ Check_Location_Control_Code
SB-INVITM-21382	ITEM DESCRIPTION FIELD CANNOT BE NULL.	Validate_Required_Columns/ Check_Item_Desc

B.1.5 Item Revisions

Table 23 sb_validate_invrev_pkg

Error Code	Error Message	Generated from
SB-INVREV-22500	Set_process_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Set_process_ID
SB-INVREV-22501	Inventory_Item_Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Inventory_Item_Id
SB-INVREV-22502	Organization_Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_Id
SB-INVREV-22503	Revision is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Revision
SB-INVREV-22504	Change_Notice is invalid.	Validate_Foreign_Key_Checks/ Check_Change_Notice
SB-INVREV-22505	Organization_id is invalid.	Validate_Foreign_Key_Checks/ Check_Organization_id
SB-INVREV-22506	Inventory_item_id is invalid.	Validate_Foreign_Key_Checks/ Check_Inventory_item_id
SB-INVREV-22507	Primary_key is invalid.	Validate_Foreign_Key_Checks/ Check_Primary_key
SB-INVREV-22508	Process_flag is invalid.	Perform_Other_Validations/ Check_Process_flag
SB-INVREV-22509	Item_Number is invalid.	Perform_Other_Validations/ Check_Item_Number

B.1.6 Replenishment

Master

Table 24 sb_validate_rep_pkg

Error Code	Error Message	Generated from
SB-INVREP-22430	Header has lines that have failed validation.	Validate_REC/Validate

Headers

Table 25 sb_validate_rep_hdrs_pkg

Error Code	Error Message	Generated from
SB-INVREP-22301	Replenishment_Header_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Replenishment_Header_ID
SB-INVREP-22302	Replenishment_Count_Name is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Replenishment_Count_Name
SB-INVREP-22303	Count_Date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Count_Date
SB-INVREP-22304	Last_Update_Date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Last_Update_Date
SB-INVREP-22305	Creation_Date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Creation_Date
SB-INVREP-22306	Created_By is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Created_By
SB-INVREP-22307	Last_Updated_By is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Last_Updated_By
SB-INVREP-22308	Organization_ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_ID
SB-INVREP-22309	SubInventory_Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_SubInventory_Code
SB-INVREP-22310	Process_Status is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_Status
SB-INVREP-22311	Process_Mode is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_Mode
SB-INVREP-22312	Organization_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Organization_ID
SB-INVREP-22313	SubInventory_Code is invalid.	Validate_Foreign_Key_Checks/ Check_SubInventory_Code
SB-INVREP-22314	Error_Flag is invalid.	Perform_Other_Validations/ Check_Error_Flag

Table 25 sb_validate_rep_hdrs_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVREP-22315	Process_Mode is invalid.	Perform_Other_Validations/ Check_Process_Mode
SB-INVREP-22316	Process_Status is invalid.	Perform_Other_Validations/ Check_Process_Status
SB-INVREP-22317	Replenish_Header is invalid.	Perform_Other_Validations/ Check_Replenish_Header
SB-INVREP-22318	Replenish_Count is invalid.	Perform_Other_Validations/ Check_Replenish_Count
SB-INVREP-22319	Last_Update is invalid.	Perform_Other_Validations/ Check_Last_Update
SB-INVREP-22320	Lines is invalid.	Perform_Other_Validations/ Check_Lines

Lines

Table 26 sb_validate_rep_line_pkg

Error Code	Error Message	Generated from
SB-INVREP-22401	Replenishment_Header_ID is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Replenishment_Header_ID
SB-INVREP-22402	Replenishment_Line_Id is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Replenishment_Line_Id
SB-INVREP-22403	Last_Update_Date is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Last_Update_Date
SB-INVREP-22404	Creation_Date is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Creation_Date
SB-INVREP-22405	Created_By is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Created_By
SB-INVREP-22406	Last_Update_Login is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Last_Update_Login
SB-INVREP-22407	Last_Updated_By is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Last_Updated_By
SB-INVREP-22408	Inventory_Item_ID is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Inventory_Item_ID
SB-INVREP-22409	Count_Type_Code is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Count_Type_Code
SB-INVREP-22410	Count_Quantity is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Count_Quantity
SB-INVREP-22411	Count_UOM is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Count_UOM
SB-INVREP-22412	Count_UOM_Code is mandatory and the current value is NULL	Validate_Required_Columns/ Check_Count_UOM_Code

Table 26 sb_validate_rep_line_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVREP-22413	Organization_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Organization_ID
SB-INVREP-22414	Rep_Header_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Rep_Header_ID
SB-INVREP-22415	Inventory_Item_ID is invalid.	Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID
SB-INVREP-22416	Count_Uom is invalid.	Validate_Foreign_Key_Checks/ Check_Count_Uom
SB-INVREP-22417	Count_Uom_Code is invalid.	Validate_Foreign_Key_Checks/ Check_Count_Uom_Code
SB-INVREP-22418	Segment is invalid.	Validate_Foreign_Key_Checks/ Check_Segment
SB-INVREP-22419	Count_Type_Code is invalid.	Perform_Other_Validations/ Check_Count_Type_Code
SB-INVREP-22420	Organization_Id is invalid.	Perform_Other_Validations/ Check_Organization_Id
SB-INVREP-22421	Count_Type_Tracked is invalid.	Perform_Other_Validations/ Check_Count_Type_Tracked
SB-INVREP-22421	Count_Type_Tracked23 is invalid.	Perform_Other_Validations/ Check_Count_Type_Tracked23
SB-INVREP-22422	Inventory_item is invalid.	Perform_Other_Validations/ Check_Inventory_item
SB-INVREP-22423	MinMAx_Plan is invalid.	Perform_Other_Validations/ Check_MinMAx_Plan
SB-INVREP-22424	Count_uom_primary is invalid.	Perform_Other_Validations/ Check_Count_uom_primary

B.1.7 Transactions

Table 27 sb_validate_trans_pkg

Error Code	Error Message	Generated from
SB-INVTXN-20301	Source Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Source_Code
SB-INVTXN-20302	Source Line Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Source_Line_ID
SB-INVTXN-20303	Source Header Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Source_Header_ID
SB-INVTXN-20304	Process Flag is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Process_Flag
SB-INVTXN-20305	Transaction Mode is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Mode
SB-INVTXN-20306	Transaction Interface Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Interface_ID
SB-INVTXN-20307	Inventory Item Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Inventory_Item_ID
SB-INVTXN-20308	Organization Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_ID
SB-INVTXN-20309	Transaction Quantity is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Quantity
SB-INVTXN-20310	Transaction UOM is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_UOM
SB-INVTXN-20311	Transaction Date is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Date
SB-INVTXN-20312	Transaction Source Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Source_ID
SB-INVTXN-20313	Transaction Source Name is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Source_Name
SB-INVTXN-20314	Transaction Type Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Transaction_Type_ID
SB-INVTXN-20319	Distribution Account Id is invalid.	Validate_Foreign_Key_Checks/ Check_Distribution_Account_ID
SB-INVTXN-20320	Inventory Item Id is invalid.	Validate_Foreign_Key_Checks/ Check_Inventory_Item_ID
SB-INVTXN-20321	Organization Id is invalid.	Validate_Foreign_Key_Checks/ Check_Organization_ID
SB-INVTXN-20322	Acct Period Id is invalid.	Validate_Foreign_Key_Checks/ Check_Acct_Period_ID
SB-INVTXN-20323	Schedule Id is invalid.	Validate_Foreign_Key_Checks/ Check_Schedule_ID
SB-INVTXN-20324	Operation Seq Num is invalid.	Validate_Foreign_Key_Checks/ Check_Operation_Seq_Num

Table 27 sb_validate_trans_pkg (Continued)

Error Code	Error Message	Generated from
SB-INVTXN-20325	Transportation Account is invalid.	Validate_Foreign_Key_Checks/ Check_Transportation_Account
SB-INVTXN-20326	Locator Id is invalid.	Validate_Foreign_Key_Checks/ Check_Locator_ID
SB-INVTXN-20327	Transfer Organization is invalid.	Validate_Foreign_Key_Checks/ Check_Transfer_Organization
SB-INVTXN-20328	Transfer Locator is invalid.	Validate_Foreign_Key_Checks/ Check_Transfer_Locator
SB-INVTXN-20329	Revision is invalid.	Validate_Foreign_Key_Checks/ Check_Revision
SB-INVTXN-20330	SubInventory Code is invalid.	Validate_Foreign_Key_Checks/ Check_Sub_inventory_Code
SB-INVTXN-20331	Transfer SubInventory is invalid.	Validate_Foreign_Key_Checks/ Check_Transfer_SubInventory
SB-INVTXN-20332	Schedule Number is invalid.	Validate_Foreign_Key_Checks/ Check_Schedule_Number
SB-INVTXN-20333	Reason Id is invalid.	Perform_Other_Validations/ Check_Reason_ID
SB-INVTXN-20334	Wip Entity Type is invalid.	Perform_Other_Validations/ Check_WIP_Entity_Type
SB-INVTXN-20335	Substitution Type Id is invalid.	Perform_Other_Validations/ Check_Substitution_ID
SB-INVTXN-20344	Transaction Header Id is invalid.	Perform_Other_Validations/ Check_Trans_Header_ID

Lots

Table 28 sb_validate_trans_lots_pkg

Error Code	Error Message	Generated from
SB-INVTXN-20336	Transaction Interface Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Tran_Interface_ID
SB-INVTXN-20337	Lot Number is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Lot_Number
SB-INVTXN-20338	Transaction Quantity is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Tran_Quantity
SB-INVTXN-20339	Transaction Temp Id is invalid.	Validate_Foreign_Key_Checks/ Check_Serial_Tran_Temp_ID
SB-INVTXN-20340	Transaction Interface Id is invalid.	Validate_Foreign_Key_Checks/ Check_Tran_Interface_ID

Serial Numbers

Table 29 sb_validate_serial_nos_pkg

Error Code	Error Message	Generated from
SB-INVTXN-20341	Transaction Interface Id is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Tran_Interface_ID
SB-INVTXN-20342	Fm Serial Number is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Fm_Serial_Number
SB-INVTXN-20343	Vendor Serial Number is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Serial_No

B.2 Purchase Order

B.2.1 Import

Master

Table 30 sb_validate_poi_pkg

Error Code	Error Message	Generated from
SB-POIMP-20001	Header record does not exist for Po_Header_Id.	Validate_Master_Details
SB-POIMP-25006	Header has lines that have failed validation.	Validate

Headers

Table 31 sb_validate_poi_hdrs_pkg

Error Code	Error Message	Generated from
SB-POIMP-20002	Interface Header ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Interface_Header_ID
SB-POIMP-20003	Action is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Action
SB-POIMP-20004	Document Type Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Document_Type_Code
SB-POIMP-20006	Vendor Site Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Vendor_Site_Code
SB-POIMP-20007	Vendor Doc Num is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Vendor_Doc_Num
SB-POIMP-20008	Action is mandatory and the current value is invalid.	Validate_Required_Columns/ Check_Action_Values
SB-POIMP-20009	Document Type Code is mandatory and the current value is invalid.	Validate_Required_Columns/ Check_Doc_Type_Code_Values
SB-POIMP-20010	Vendor ID is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_ID
SB-POIMP-20011	From Type Lookup Code is invalid.	Validate_Foreign_Key_Checks/ Check_From_Type_Lookup_Code
SB-POIMP-20012	Ship To Location Id is invalid.	Validate_Foreign_Key_Checks/ Check_Ship_To_Location_ID
SB-POIMP-20013	Terms Id is invalid.	Validate_Foreign_Key_Checks/ Check_Terms_ID

Table 31 sb_validate_poi_hdrs_pkg (Continued)

Error Code	Error Message	Generated from
SB-POIMP-20014	Ussgl Transaction Code is invalid.	Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code
SB-POIMP-20015	Buyer specified is invalid.	Validate_Foreign_Key_Checks/ Check_Agent_ID
SB-POIMP-20016	Bill To Location Id is invalid.	Validate_Foreign_Key_Checks/ Check_Bill_To_Location_ID
SB-POIMP-20017	Vendor Site Id is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Site_ID
SB-POIMP-20018	Vendor Contact Id is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Contact_ID
SB-POIMP-20019	From Header Id is invalid.	Validate_Foreign_Key_Checks/ Check_From_Header_ID
SB-POIMP-20020	Rate Type is invalid.	Validate_Foreign_Key_Checks/ Check_Rate_Type
SB-POIMP-20021	Currency Code is invalid.	Validate_Foreign_Key_Checks/ Check_Currency_Code
SB-POIMP-20022	Document Number is invalid.	Validate_Foreign_Key_Checks/ Check_Document_Num
SB-POIMP-20023	Buyer Name is invalid.	Validate_Foreign_Key_Checks/ Check_Agent_Name
SB-POIMP-20024	Vendor Name or Vendor Num is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Name
SB-POIMP-20025	Vendor Site Code is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Site_Code
SB-POIMP-20026	Vendor Contact is invalid.	Validate_Foreign_Key_Checks/ Check_Vendor_Contact
SB-POIMP-20027	Ship To Location Code is invalid.	Validate_Foreign_Key_Checks/ Check_Ship_To_Location_Code
SB-POIMP-20028	Bill To Location Code is invalid.	Validate_Foreign_Key_Checks/ Check_Bill_To_Location_Code
SB-POIMP-20029	Payment Terms is invalid.	Validate_Foreign_Key_Checks/ Check_Payment_Terms
SB-POIMP-20030	Rfq Num is invalid.	Validate_Foreign_Key_Checks/ Check_Rfq_Num
SB-POIMP-20031	Amount Limit is less than Amount Agreed.	Perform_Other_Validations/ Check_Amount_Agreed
SB-POIMP-20032	Amount Limit is less than Min Release Amount.	Perform_Other_Validations/ Check_Min_Release_Amount
SB-POIMP-20033	Amount Limit is less than Zero.	Perform_Other_Validations/ Check_Amount_Limit
SB-POIMP-20088	Release Number is invalid.	Perform_Other_Validations/ Check_Release_Num

Table 31 sb_validate_poi_hdrs_pkg (Continued)

Error Code	Error Message	Generated from
SB-POIMP-25007	Document Type is Standard, so Action cannot be Update or Replace.	Perform_Other_Validations/ Check_Action_For_Std_Doc_Type
SB-POIMP-25008	Document Type is Standard, so Approval Status should be Incomplete.	Perform_Other_Validations/ Chk_App_Stat_For_Std_Doc_Type
SB-POIMP-25009	Vendor Doc Num does not exist.	Perform_Other_Validations/ <ul style="list-style-type: none"> ▪ Check_Vendor_Doc_Num_Repl_Quot ▪ Check_Vendor_Doc_Num_Repl_Blkt ▪ Check_Vendor_Doc_Num_Upd_Quot ▪ Check_Vendor_Doc_Num_Upd_Blkt
SB-POIMP-25010	Vendor Doc Num already exists.	Perform_Other_Validations/ <ul style="list-style-type: none"> ▪ Check_Vendor_Doc_Num_Org_Quot ▪ Check_Vendor_Doc_Num_Org_Blkt
SB-POIMP-25011	Release Date is reserved for future use and should be NULL.	Perform_Other_Validations/ Check_Release_Date
SB-POIMP-25012	Document Num must have a unique value, Current value already exists.	Validate_Foreign_Key_Checks/ Check_Document_Num_For_Orig
SB-POIMP-25013	There should be at least one line per header document.	Perform_Other_Validations/ Check_Lines_For_Header
SB-POIMP-25014	Fob_Active is invalid.	Validate_Foreign_Key_Checks/ Check_Fob_Active
SB-POIMP-25015	Freight_Terms_Active is invalid.	Validate_Foreign_Key_Checks/ Check_Freight_Terms_Active
SB-POIMP-25016	Document_Sub_Type is invalid.	Perform_Other_Validations/ Check_Document_Sub_Type
SB-POIMP-25017	Num_Of_Lines is invalid.	Perform_Other_Validations/ Check_Num_Of_Lines

Lines

Table 32 sb_validate_poi_lines_pkg

Error Code	Error Message	Generated from
SB-POIMP-20034	Interface Header ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Interface_Header_ID
SB-POIMP-20035	Interface Line ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Interface_Line_ID
SB-POIMP-20036	Organization ID is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Organization_ID
SB-POIMP-20037	Po Header Id not found for modification.	Validate_Foreign_Key_Checks/ Check_Po_Header_ID
SB-POIMP-20038	Category Id is invalid.	Validate_Foreign_Key_Checks/ Check_Category_ID
SB-POIMP-20039	Line Type Id is invalid.	Validate_Foreign_Key_Checks/ Check_Line_Type_ID
SB-POIMP-20040	Un Number Id is invalid.	Validate_Foreign_Key_Checks/ Check_Un_Number_ID
SB-POIMP-20041	Hazard Class Id is invalid.	Validate_Foreign_Key_Checks/ Check_Hazard_Class_ID
SB-POIMP-20042	Ussgl Transaction Code is invalid.	Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code
SB-POIMP-20043	Closed By is invalid.	Validate_Foreign_Key_Checks/ Check_Closed_By
SB-POIMP-20044	From Header Id is invalid.	Validate_Foreign_Key_Checks/ Check_From_Header_ID
SB-POIMP-20045	From Line Id is invalid.	Validate_Foreign_Key_Checks/ Check_From_Line_ID
SB-POIMP-20046	Tax Name is invalid.	Validate_Foreign_Key_Checks/ Check_Tax_Name
SB-POIMP-20047	Item Revision is invalid.	Validate_Foreign_Key_Checks/ Check_Item_Revision
SB-POIMP-20048	Unit Of Measure is invalid.	Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure
SB-POIMP-20049	Unit Of Measure is invalid for the Item ID/Organization ID.	Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure_Org
SB-POIMP-20050	Item Id is invalid.	Validate_Foreign_Key_Checks/ Check_Item_Id
SB-POIMP-20052	Item is invalid.	Validate_Foreign_Key_Checks/ Check_Item
SB-POIMP-20054	Uom Code is invalid.	Validate_Foreign_Key_Checks/ Check_Uom_Code
SB-POIMP-20055	Line Type is invalid.	Validate_Foreign_Key_Checks/ Check_Line_Type

Table 32 sb_validate_poi_lines_pkg (Continued)

Error Code	Error Message	Generated from
SB-POIMP-20056	Line Num is invalid.	Validate_Foreign_Key_Checks/ Check_Line_Num
SB-POIMP-20057	Shipment Num is invalid.	Validate_Foreign_Key_Checks/ Check_Shipment_Num
SB-POIMP-20058	Un Number is invalid.	Validate_Foreign_Key_Checks/ Check_Un_Number
SB-POIMP-20059	Hazard Class is invalid.	Validate_Foreign_Key_Checks/ Check_Hazard_Class
SB-POIMP-20060	Ship To Organization Code is invalid.	Validate_Foreign_Key_Checks/ Check_Ship_To_Org_Code
SB-POIMP-20061	Ship To Location Code is invalid.	Validate_Foreign_Key_Checks/ Check_Ship_To_Location_Code
SB-POIMP-20062	Template Name is invalid.	Validate_Foreign_Key_Checks/ Check_Template_Name
SB-POIMP-20063	Payment Terms is invalid.	Validate_Foreign_Key_Checks/ Check_Payment_Terms
SB-POIMP-20064	Receiving Routing is invalid.	Validate_Foreign_Key_Checks/ Check_Receiving_Routing
SB-POIMP-20065	Tax Code Id is invalid.	Validate_Foreign_Key_Checks/ Check_Tax_Code_Id
SB-POIMP-20066	Not To Exceed Price should be NULL since Allow Price Override Flag is N.	Perform_Other_Validations/ Check_Not_To_Exceed_Price
SB-POIMP-20067	Not To Exceed Price has to be greater or equal to Unit Price.	Perform_Other_Validations/ Check_Unit_Price
SB-POIMP-20068	Max Order Quantity should be greater than Min Order Quantity.	Perform_Other_Validations/ Check_Order_Quantity
SB-POIMP-20069	Closed Code should be null for QUOTATION Document Type.	Perform_Other_Validations/ Check_Closed_Code_For_Quot
SB-POIMP-20070	Committed Amount should be null for QUOTATION Document Type.	Perform_Other_Validations/ Check_Cmtd_Amt_For_Quot
SB-POIMP-20071	Market Price should be null for QUOTATION Document Type.	Perform_Other_Validations/ Check_Market_Price_For_Quot
SB-POIMP-20072	Allow Price Override Flag should be null for QUOTATION Document Type.	Perform_Other_Validations/ Chk_Alw_Prc_Ovd_Flag_For_Quot
SB-POIMP-20073	Not To Exceed Price should be null for QUOTATION Document Type.	Perform_Other_Validations/ Check_Not_To_Exc_Prc_For_Quot
SB-POIMP-20074	Negotiated By Preparer Flag should be null for QUOTATION Document Type.	Perform_Other_Validations/ Chk_Neg_By_Prep_Flag_For_Quot
SB-POIMP-20075	Capital Expense Flag should be null for QUOTATION Document Type.	Perform_Other_Validations/ Check_Cap_Exp_Flag_For_Quot
SB-POIMP-20076	Min Release Amount for QUOTATION/ BLANKET Document Type.	Perform_Other_Validations/ Check_Min_Rel_Amt

Table 32 sb_validate_poi_lines_pkg (Continued)

Error Code	Error Message	Generated from
SB-POIMP-20077	Min Order Quantity is less than 0.	Perform_Other_Validations/ Check_Min_Ord_Qty_For_Quot
SB-POIMP-20078	Max Order Quantity is less than 0.	Perform_Other_Validations/ Check_Max_Ord_Qty_For_Quot
SB-POIMP-20079	Over Tolerance Error Flag should be either Y or N.	Perform_Other_Validations/ Check_Ovr_Tol_Error_Flg
SB-POIMP-20080	Qty Rcv Tolerance should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Chk_Qty_Rcv_Tol_For_Blkt
SB-POIMP-20081	Qty Rcv Exception Code should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Chk_Qty_Rcv_Exc_Code_For_Blkt
SB-POIMP-20082	Freight Carrier should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Chk_Freight_Carrier_For_Blkt
SB-POIMP-20083	Fob should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Check_Fob_For_Blkt
SB-POIMP-20084	Freight Terms should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Check_Freight_Terms_For_Blkt
SB-POIMP-20085	Receipt Required Flag should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Check_Rcpt_Req_Flag_For_Blkt
SB-POIMP-20086	Inspection Required Flag should be NULL for BLANKET Document Type.	Perform_Other_Validations/ Check_Insp_Req_Flag_For_Blkt
SB-POIMP-20087	Unit Price should not be NULL or < 0.	Perform_Other_Validations/ Check_Unit_Price_For_Null
SB-POIMP-20088	Release Num is reserved for future use and should be NULL.	Perform_Other_Validations/ Check_Release_Num
SB-POIMP-20089	Po Release Id is reserved for future use and should be NULL.	Perform_Other_Validations/ Check_Po_Release_Id
SB-POIMP-20090	Source Shipment Id is reserved for future use and should be NULL.	Perform_Other_Validations/ Check_Source_Shipment_Id
SB-POIMP-20091	Contract Num is reserved for future use and should be NULL.	Perform_Other_Validations/ Check_Contract_Num
SB-POIMP-20092	Type 1099 should be NULL.	Perform_Other_Validations/ Check_Type_1099
SB-POIMP-20093	Receipt Days Exception Code should be NULL.	Perform_Other_Validations/ Check_Rcpt_Days_Exp_Cd
SB-POIMP-20094	Need By Date should be NULL.	Perform_Other_Validations/ Check_Need_By_Date
SB-POIMP-20095	Promised Date should be NULL.	Perform_Other_Validations/ Check_Promised_Date
SB-POIMP-20096	Closed Reason should be NULL.	Perform_Other_Validations/ Check_Closed_Reason
SB-POIMP-20097	Closed Date should be NULL.	Perform_Other_Validations/ Check_Closed_Date

Table 32 sb_validate_poi_lines_pkg (Continued)

Error Code	Error Message	Generated from
SB-POIMP-20098	Closed By should be NULL.	Perform_Other_Validations/ Check_Closed_By
SB-POIMP-20099	Firm Flag should be NULL.	Perform_Other_Validations/ Check_Firm_Flag
SB-POIMP-20100	Quantity should be greater than 0.	Perform_Other_Validations/ Check_Po_Release_Id
SB-POIMP-25001	Committed Amount should be greater than 0.	Perform_Other_Validations/ Check_Committed_Amount
SB-POIMP-25002	Market Price should be greater than 0.	Perform_Other_Validations/ Check_Market_Price
SB-POIMP-25003	Negotiated By Preparer Flag should be either Y or N.	Perform_Other_Validations/ Check_Neg_By_Prep_Flg
SB-POIMP-25004	Capital Expense Flag should be either Y or N.	Perform_Other_Validations/ Check_Capital_Exp_Flg
SB-POIMP-25005	Tax name and Tax Code Id should be NULL if Taxable Flag is NULL or N.	Perform_Other_Validations/ Check_Taxable_Flag
SB-POIMP-25014	FOB is inactive.	Validate_Foreign_Key_Checks/ Check_Fob_Active
SB-POIMP-25015	Freight_Terms is inactive.	Validate_Foreign_Key_Checks/ Check_Freight_Terms_Active

B.2.2 Receiving

Master

Table 33 sb_validate_rcv_pkg

Error Code	Error Message	Generated from
SB-POREC-25006	Header has lines that have failed validation.	Validate

Headers

Table 34 sb_validate_rcv_hdr_pkg

Error Code	Error Message	Generated from
SB-POREC-20100	Header_Interface_ID field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_header_interface_id
SB-POREC-20101	Group_ID field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_group_id
SB-POREC-20102	Processing_Status_Code field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_processing_status_code
SB-POREC-20103	Receipt_Source_Code field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_receipt_source_code
SB-POREC-20104	Transaction_Type field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_transaction_type
SB-POREC-20105	Value Required in Vendor_Name or Vendor_Num field in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_vendor_name_num
SB-POREC-20106	Validation_Flag is mandatory in RCV_HEADERS_INTERFACE table and current value is null.	Validate_Required_Columns/ Check_validation_flag
SB-POREC-20107	ASN_TYPE field in RCV_HEADERS_INTERFACE should be ASN or ASBN.	Derive_Required_Columns/ Check_asn_type
SB-POREC-20108	Processing_Status_Code field in RCV_HEADERS_INTERFACE should be PENDING.	Derive_Required_Columns/ Check_processing_status_code
SB-POREC-20109	Receipt_Source_Code field in RCV_HEADERS_INTERFACE should be VENDOR.	Derive_Required_Columns/ Check_receipt_source_code

Table 34 sb_validate_rcv_hdr_pkg (Continued)

Error Code	Error Message	Generated from
SB-POREC-20110	Transaction_Type field in RCV_HEADERS_INTERFACE should be NEW or CANCEL.	Derive_Required_Columns/ Check_transaction_type
SB-POREC-20111	Validation_Flag field in RCV_HEADERS_INTERFACE should be Y or N.	Derive_Required_Columns/ Check_validation_flag
SB-POREC-20112	Auto_Transact_Code field in RCV_HEADERS_INTERFACE should be SHIP or RECEIVE or DELIVER.	Derive_Required_Columns/ Check_auto_transact_code
SB-POREC-20113	Receipt_Num cannot be NULL when Auto_Transact_Code is SHIP.	Derive_Required_Columns/ Check_receipt_num
SB-POREC-20114	Shipped_Date cannot be NULL when Asn_Type is ASN or ASBN.	Derive_Required_Columns/ Check_shipped_date
SB-POREC-20115	Invoice_Num cannot be NULL when Asn_Type is ASBN.	Derive_Required_Columns/ Check_invoice_num
SB-POREC-20116	Invoice_Date cannot be NULL when Asn_Type is ASBN.	Derive_Required_Columns/ Check_invoice_date
SB-POREC-20117	Total_Invoice_Amount cannot be NULL or negative when Asn_Type is ASBN.	Derive_Required_Columns/ Check_total_invoice_amount
SB-POREC-20118	Both Employee_Id and Employee_Name cannot be null when Auto_Transact_Code is RECEIVE.	Derive_Required_Columns/ Check_employee_name_id
SB-POREC-20119	Invalid Vendor_Name.	Derive_Required_Columns/ Check_Vendor_Name
SB-POREC20189	Shipped_Date cannot be earlier than SYSDATE or EXPECTED_RECEIPT_DATE.	Derive_Required_Columns/ Check_Shipped_Date_Range
SB-POREC20190	Invalid Employee_name.	Derive_Required_Columns/ Check_Validity_Employee_Name

Transactions

Table 35 sb_validate_rcv_trans_pkg

Error Code	Error Message	Generated from
SB-POREC-20120	Interface_Transaction_ID field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_Interface_Transaction_ID
SB-POREC-20121	Group_ID field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_group_id
SB-POREC-20122	Transaction_Type field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_transaction_type
SB-POREC-20123	Transaction_Date field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_transaction_date
SB-POREC-20124	Processing_Status_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_processing_status_code
SB-POREC-20125	Processing_Mode_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_processing_mode_code
SB-POREC-20126	Transaction_Status_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_transaction_status_code
SB-POREC-20127	Quantity field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_quantity
SB-POREC-20128	Unit_Of_Measure field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_unit_of_mear
SB-POREC-20129	Item_Description field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_item_description
SB-POREC-20130	Value required in Document_Line_Num or Item_Num or Vendor_Item_Num or Item_Id or Po_Line_Id in rcv_transactions_interface table and currently all are null.	Validate_Required_Columns/ Check_document_line_num
SB-POREC-20131	Auto_Transact_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_auto_transact_code
SB-POREC-20132	Receipt_Source_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_receipt_source_code

Table 35 sb_validate_rcv_trans_pkg (Continued)

Error Code	Error Message	Generated from
SB-POREC-20133	Vendor_Site_Id field is mandatory in rcv_transactions_interface table and current value is null.	Check_vendor_site_code
SB-POREC-20134	Value required in either Vendor_Name or Vendor_Num fields in rcv_transactions_interface table and currently both are null.	Validate_Required_Columns/ Check_vendor_name_num
SB-POREC-20135	Source_Document_Code field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_source_document_code
SB-POREC-20136	Value required in Document_Num or Po_Header_Id and currently both are null.	Validate_Required_Columns/ Check_document_num
SB-POREC-20137	Header_Interface_Id field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_header_interface_id
SB-POREC-20138	Validation_Flag field is mandatory in rcv_transactions_interface table and current value is null.	Validate_Required_Columns/ Check_validation_flag
SB-POREC-20139	FK Validation. Invalid Routing_Header_Id.	Validate_Foreign_Key_Checks/ Check_routing_header_id
SB-POREC-20140	FK Validation. Invalid Routing_Step_Id.	Validate_Foreign_Key_Checks/ Check_routing_step_id
SB-POREC-20141	FK Validation. Invalid Parent_Transaction_Id.	Validate_Foreign_Key_Checks/ Check_parent_transaction_id
SB-POREC-20142	FK Validation. Invalid Po_Header_Id.	Validate_Foreign_Key_Checks/ Check_po_header_id
SB-POREC-20143	FK Validation. Invalid Po_Line_Id.	Validate_Foreign_Key_Checks/ Check_po_line_id
SB-POREC-20144	FK Validation. Invalid Po_Line_Location_Id.	Validate_Foreign_Key_Checks/ Check_po_line_location_id
SB-POREC-20145	FK Validation. Invalid Inv_Transaction_Id.	Validate_Foreign_Key_Checks/ Check_inv_transaction_id
SB-POREC-20146	FK Validation. Invalid Po_Distribution_Id.	Validate_Foreign_Key_Checks/ Check_po_distribution_id
SB-POREC-20147	FK Validation. Invalid Po_Release_Id.	Validate_Foreign_Key_Checks/ Check_po_release_id
SB-POREC-20148	Foreign Key Validation. Invalid Requisition_Line_Id.	Validate_Foreign_Key_Checks/ Check_requisition_line_id
SB-POREC-20149	FK Validation. Invalid Requisition_Distribution_Id.	Validate_Foreign_Key_Checks/ Check_req_distribution_id
SB-POREC-20150	FK Validation. Invalid Inspection_Quality_Code.	Validate_Foreign_Key_Checks/ Check_inspection_quality_code

Table 35 sb_validate_rcv_trans_pkg (Continued)

Error Code	Error Message	Generated from
SB-POREC-20151	FK Validation. Invalid Charge_Account_Id.	Validate_Foreign_Key_Checks/ Check_charge_account_id
SB-POREC-20152	FK Validation. Invalid Employee_Id.	Validate_Foreign_Key_Checks/ Check_employee_id
SB-POREC-20153	FK Validation. Invalid Wip_Entity_Id.	Validate_Foreign_Key_Checks/ Check_wip_entity_id
SB-POREC-20154	FK Validation. Invalid Item_Id.	Validate_Foreign_Key_Checks/ Check_item_id
SB-POREC-20155	FK Validation. Invalid Transportation_Account_Id.	Validate_Foreign_Key_Checks/ Check_tsrptn_account_id
SB-POREC-20156	FK Validation. Invalid Wip_Line_Id.	Validate_Foreign_Key_Checks/ Check_wip_line_id
SB-POREC-20157	FK Validation. Invalid Repetitive_Schedule_Id.	Validate_Foreign_Key_Checks/ Check_wip_rptv_schedule_id
SB-POREC-20158	Foreign Key Validation. Invalid Wip_Entity_Id for wip_operations.	Validate_Foreign_Key_Checks/ Check_wowip_entity_id
SB-POREC-20159	FK Validation. Invalid Wip_Entity_Id for wip_operations_resources.	Validate_Foreign_Key_Checks/ Check_worwip_entity_id
SB-POREC-20160	FK Validation. Invalid Bom_Resource_Id.	Validate_Foreign_Key_Checks/ Check_bom_resource_id
SB-POREC-20161	FK Validation. Invalid Department_Code.	Validate_Foreign_Key_Checks/ Check_department_code
SB-POREC-20162	FK Validation. Invalid Freight_Carrier_Code.	Validate_Foreign_Key_Checks/ Check_freight_carrier_code
SB-POREC-20163	FK Validation. Invalid SubInventory.	Validate_Foreign_Key_Checks/ Check_subinventory
SB-POREC-20164	FK Validation. Invalid Locator_Id.	Validate_Foreign_Key_Checks/ Check_locator_id
SB-POREC-20165	FK Validation. Invalid Uom_Code.	Validate_Foreign_Key_Checks/ Check_uom_code
SB-POREC-20166	FK Validation. Invalid Currency_Conversion_Type.	Validate_Foreign_Key_Checks/ Check_currency_conversion_type
SB-POREC-20167	FK Validation. Invalid Reason_Id.	Validate_Foreign_Key_Checks/ Check_reason_id
SB-POREC-20168	FK Validation. Invalid Source_Doc_Unit_Of_Measure.	Validate_Foreign_Key_Checks/ Check_source_doc_unit_of_measr
SB-POREC-20170	FK Validation. Invalid Shipment_Header_Id.	Validate_Foreign_Key_Checks/ Check_shipment_header_id
SB-POREC-20171	FK Validation. Invalid Shipment_Line_Id.	Validate_Foreign_Key_Checks/ Check_shipment_line_id
SB-POREC-20172	FK Validation. Invalid Primary_Unit_Of_Measure.	Validate_Foreign_Key_Checks/ Check_primary_unit_of_measure

Table 35 sb_validate_rcv_trans_pkg (Continued)

Error Code	Error Message	Generated from
SB-POREC-20173	Value required in any one of Item_Category or Category_Id or Document_Line_Num or Po_Line_Id field in rcv_transactions_interface.	Derive_Required_Columns/ Check_item_category
SB-POREC-20174	Transaction_Type should be SHIP or RECEIVE.	Derive_Required_Columns/ Check_transaction_type
SB-POREC-20175	Processing_Status_Code should be PENDING.	Derive_Required_Columns/ Check_processing_status_code
SB-POREC-20176	Processing_Mode_Code should be BATCH.	Derive_Required_Columns/ Check_processing_mode_code
SB-POREC-20177	Auto_Transact_Code should be RECEIVE or DELIVER or SHIP.	Derive_Required_Columns/ Check_auto_transact_code
SB-POREC-20178	Receipt_Source_Code should be VENDOR.	Derive_Required_Columns/ Check_receipt_source_code
SB-POREC-20179	Source_Document_Code should be PO.	Derive_Required_Columns/ Check_source_document_code
SB-POREC-20180	Header_Interface_Id value not found in rcv_headers_interface.	Derive_Required_Columns/ Check_header_interface_id
SB-POREC-20181	Validation_Flag should be Y or N.	Derive_Required_Columns/ Check_validation_flag
SB-POREC-20182	Employee_Id should not be null when Transaction_Type is DELIVER.	Derive_Required_Columns/ Check_employee_id
SB-POREC-20183	Valid Group_Id not found in rcv_headers_interface.	Derive_Required_Columns/ Check_group_id
SB-POREC-20184	Invalid Ship_To_Location_Code or Ship_To_Location_Id when ASN_TYPE is ASN.	Derive_Required_Columns/ Check_ship_code_id
SB-POREC-20185	To_Organization_Code and To_Organization_Id, both cannot be null.	Derive_Required_Columns/ Check_org_code_id
SB-POREC-20186	There should be a valid Destination_Type_Code when Auto_Transact_Code is DELIVER.	Derive_Required_Columns/ Check_destination_type_code
SB-POREC-20187	Invalid Expected_Receipt_Date.	Derive_Required_Columns/ Check_expected_receipt_date
SB-POREC-20188	Transaction_Status_Code should be ERROR or COMPLETED.	Derive_Required_Columns/ Check_transaction_status_code
SB-POREC-20191	Invalid Item_Category.	Derive_Required_Columns/ Check_Valid_Item_Category
SB-POREC-20192	Invalid Location_Code.	Derive_Required_Columns/ Check_Valid_Loc_Code

Table 35 sb_validate_rcv_trans_pkg (Continued)

Error Code	Error Message	Generated from
SB-POREC-20193	Invalid Vendor_Name.	Derive_Required_Columns/ Check_Valid_Vendor_Name
SB-POREC-20194	Invalid Vendor_Num.	Derive_Required_Columns/ Check_Valid_Vendor_Num

B.2.3 Requisitions

Table 36 sb_validate_por_req_pkg

Error Code	Error Message	Generated From
SB-POREQ-20100	Interface_Source_Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Interface_Source_Code
SB-POREQ-20101	Destination_Type_Code is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Destination_Type_Code
SB-POREQ-20102	Authorization_Status is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Authorization_Status
SB-POREQ-20103	Quantity is mandatory and the current value is NULL.	Validate_Required_Columns/ Check_Quantity
SB-POREQ-20104	Preparer_ID and Preparer_Name values are NULL.Either one should have value.	Validate_Required_Columns/ Check_Preparer_ID
SB-POREQ-20105	Charge_Account_ID and Charge_Account_Segment1 values are NULL.Either one should have value.	Validate_Required_Columns/ Check_Charge_Account_ID
SB-POREQ-20106	Destination_Organization_ID and Destination_Organization_Code values are NULL.Either one should have value.	Validate_Required_Columns/ Check_Dest_Org_ID
SB-POREQ-20107	Deliver_To_Location_ID and Deliver_To_Location_Code values are NULL.Either one should have value.	Validate_Required_Columns/ Check_Deli_To_Loc_ID
SB-POREQ-20108	Deliver_To_Requestor_ID and Deliver_To_Requestor_Name values are NULL.Either one should have value.	Validate_Required_Columns/ Check_Deli_To_Reqtor_ID
SB-POREQ-20109	If Currency_Code value present Rate_Date and Rate_Type are mandatory.	Validate_Required_Columns/ Check_Currency_Code
SB-POREQ-20110	If Project_Accounting_Context is Y then you must enter relevent project accounting info like project_id,task_id,expenditure_type and expenditure_org_id.	Validate_Required_Columns/ Check_Proj_Acct_Cont
SB-POREQ-20111	If Destination_Type_code is INVENTORY then you must enter Destination_Subinventory and Item_ID.	Validate_Required_Columns/ <ul style="list-style-type: none"> ▪ Check_Dest_Subin ▪ Check_Dest_Subinv
SB-POREQ-20112	If Source_Type_Code is INVENTORY then you must enter Item_ID.	Validate_Required_Columns/ Check_Src_Type_Code
SB-POREQ-20113	If Destination_Type_Code is EXPENSE or SHOP FLOOR then you must Source_Type_Code.	Validate_Required_Columns/ Check_Src_Type_Code1

Table 36 sb_validate_por_req_pkg (Continued)

Error Code	Error Message	Generated From
SB-POREQ-20114	Requisition_Type value either INTERNAL or PURCHASE.	Validate_Required_Columns/ Check_Req_Type
SB-POREQ-20115	Requisition Header ID is invalid,FK validation failed against po_requisition_headers_all table.	Validate_Foreign_Key_Checks/ Check_Requisition_Header_ID
SB-POREQ-20116	Category ID is invalid,FK validation failed against mtl_categories_b table.	Validate_Foreign_Key_Checks/ Check_Category_ID
SB-POREQ-20117	Unit_Of_Measure is invalid,FK validation failed against mtl_units_of_measure_tl table.	Validate_Foreign_Key_Checks/ Check_Unit_Of_Measure
SB-POREQ-20118	Line_Type_ID is invalid,FK validation failed against po_line_types_b table.	Validate_Foreign_Key_Checks/ Check_Line_Type_ID
SB-POREQ-20119	UN_Number_ID is invalid,FK validation failed against po_un_numbers_b table.	Validate_Foreign_Key_Checks/ Check_UN_Number_ID
SB-POREQ-20120	Hazard_Class_ID is invalid,FK validation failed against po_hazard_classes_b table.	Validate_Foreign_Key_Checks/ Check_HAZARD_CLASS_ID
SB-POREQ-20121	WIP_Entity_ID is invalid,FK validation failed against wip_entities table.	Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID
SB-POREQ-20122	WIP_Line_ID is invalid,FK validation failed against wip_lines table.	Validate_Foreign_Key_Checks/ Check_WIP_Line_ID
SB-POREQ-20123	WIP_Entity_ID or Dest_Org_ID or Wip_Operation_Seq_Num or Wip_Rept_Sch_ID either one is invalid,FK validation failed against wip_operations table.	Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID_O
SB-POREQ-20124	WIP_Entity_ID or Dest_Org_ID or Wip_Operation_Seq_Num or Wip_Rept_Sch_ID or Resource_Seq_Num either one is invalid,FK validation failed against wip_operation_resources table.	Validate_Foreign_Key_Checks/ Check_WIP_Entity_ID_OR
SB-POREQ-20125	WIP_Repetitive_Schedule_ID or Dest_Org_ID either one is invalid,FK validation failed against wip_repetitive_schedules table.	Validate_Foreign_Key_Checks/ Check_WIP_Rept_Sch_ID
SB-POREQ-20126	Requisition_Line_ID is invalid,FK validation failed against po_requisition_lines_all table.	Validate_Foreign_Key_Checks/ Check_Requisition_Line_ID
SB-POREQ-20127	Src_Org_ID is invalid,FK validation failed against org_organization_definitions table.	Validate_Foreign_Key_Checks/ Check_Source_Organization_ID

Table 36 sb_validate_por_req_pkg (Continued)

Error Code	Error Message	Generated From
SB-POREQ-20128	Dest_Org_ID is invalid,FK validation failed against org_organization_definitions table.	Validate_Foreign_Key_Checks/ Check_Dest_Org_ID_FK
SB-POREQ-20129	Source_Subinventory is invalid for a given Src_Org_ID,FK validation failed against MTL_Secondary_Inventories table.	Validate_Foreign_Key_Checks/ Check_Source_Subinventory
SB-POREQ-20130	Destination_Subinventory is invalid for a given Dest_Org_ID,FK validation failed against MTL_Secondary_Inventories table.	Validate_Foreign_Key_Checks/ Check_Dest_Subin_FK
SB-POREQ-20131	Deliver_To_Requestor_ID is invalid,FK validation failed against hr_employees table.	Validate_Foreign_Key_Checks/ Check_Del_To_Req_ID_FK
SB-POREQ-20132	Suggested_Buyer_ID is invalid,FK validation failed against po_agents table.	Validate_Foreign_Key_Checks/ Check_Suggested_Buyer_ID
SB-POREQ-20133	Suggested_Vendor_ID is invalid,FK validation failed against po_vendors table.	Validate_Foreign_Key_Checks/ Check_Suggested_Vendor_ID
SB-POREQ-20134	Suggested_Vendor_Site_ID is invalid,FK validation failed against po_vendor_sites_all table.	Validate_Foreign_Key_Checks/ Check_Suggested_Vendor_Site_ID
SB-POREQ-20135	Req_Distribution_ID is invalid,FK validation failed against Po_Req_Distributions_All table.	Validate_Foreign_Key_Checks/ Check_Req_Distribution_ID
SB-POREQ-20136	Suggested_Vendor_Contact_ID is invalid,FK validation failed against Po_Vendor_Contacts table.	Validate_Foreign_Key_Checks/ Check_Sug_Vendor_Con_ID
SB-POREQ-20137	Note1_ID is invalid,FK validation failed against Po_Notes table.	Validate_Foreign_Key_Checks/ Check_Note1_ID
SB-POREQ-20138	Accrual_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.	Validate_Foreign_Key_Checks/ Check_Accrual_Account_ID
SB-POREQ-20139	Variance_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.	Validate_Foreign_Key_Checks/ Check_Variance_Account_ID
SB-POREQ-20140	Budget_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.	Validate_Foreign_Key_Checks/ Check_Budget_Account_ID
SB-POREQ-20141	Ussgl_Transaction_Code is invalid,FK validation failed against gl_ussgl_transaction_codes table.	Validate_Foreign_Key_Checks/ Check_Ussgl_Transaction_Code

Table 36 sb_validate_por_req_pkg (Continued)

Error Code	Error Message	Generated From
SB-POREQ-20142	Currency_Code is invalid,FK validation failed against fnd_currencies table.	Validate_Foreign_Key_Checks/ Check_Currency_Code
SB-POREQ-20143	Rate is invalid,FK validation failed against gl_daily_conversion_rates_r10 table.	Validate_Foreign_Key_Checks/ Check_Rate
SB-POREQ-20144	Rate_Type is invalid,FK validation failed against gl_daily_conversion_types table.	Validate_Foreign_Key_Checks/ Check_Rate_Type
SB-POREQ-20145	Approver_ID is invalid,FK validation failed against hr_employees table.	Validate_Foreign_Key_Checks/ Check_Approver_ID
SB-POREQ-20146	Autosource_Doc_Header_ID is invalid,FK validation failed against po_autosource_documents_all table.	Validate_Foreign_Key_Checks/ Check_Autosource_Doc_Header_ID
SB-POREQ-20147	Project_ID is invalid,FK validation failed against pa_projects_all table.	Validate_Foreign_Key_Checks/ Check_Project_ID
SB-POREQ-20148	Task_ID is invalid,FK validation failed against pa_tasks table.	Validate_Foreign_Key_Checks/ Check_Task_ID
SB-POREQ-20149	Note2_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note2_ID
SB-POREQ-20150	Note3_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note3_ID
SB-POREQ-20151	Note4_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note4_ID
SB-POREQ-20152	Note5_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note5_ID
SB-POREQ-20153	Note6_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note6_ID
SB-POREQ-20154	Note7_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note7_ID
SB-POREQ-20155	Note8_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note8_ID
SB-POREQ-20156	Note9_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note9_ID
SB-POREQ-20157	Note10_ID is invalid,FK validation failed against po_notes table.	Validate_Foreign_Key_Checks/ Check_Note10_ID
SB-POREQ-20158	Expenditure_Type is invalid,FK validation failed against pa_expenditure_types table.	Validate_Foreign_Key_Checks/ Check_Expenditure_Type
SB-POREQ-20159	Document_Type_Code is invalid,FK validation failed against po_document_types_all_b table.	Validate_Foreign_Key_Checks/ Check_Document_Type_Code

Table 36 sb_validate_por_req_pkg (Continued)

Error Code	Error Message	Generated From
SB-POREQ-20160	Kanban_Card_ID is invalid,FK validation failed against mtl_kanban_cards table.	Validate_Foreign_Key_Checks/ Check_Kanban_Card_ID
SB-POREQ-20161	Preparer_ID is invalid,FK validation failed against hr_employees table.	Validate_Foreign_Key_Checks/ Check_Preparer_ID_FK
SB-POREQ-20162	Item_ID is invalid,FK validation failed against mtl_system_items_b table.	Validate_Foreign_Key_Checks/ Check_Item_ID
SB-POREQ-20163	Item_Revision is invalid,FK validation failed against mtl_item_revisions table.	Validate_Foreign_Key_Checks/ Check_Item_Revision
SB-POREQ-20164	Charge_Account_ID is invalid,FK validation failed against gl_code_combinations table.	Validate_Foreign_Key_Checks/ Check_Charge_Account_ID_FK
SB-POREQ-20165	If Dest_Type_Code is INVENTORY then item must be stock enabled for dest org. If Dest_Subinventory present then item must be valid either in subinventory or to a subinventory.	Perform_Other_Validations/ Check_Dest_Type_Code_Inv
SB-POREQ-20166	If Dest_Type_Code is EXPENSE then item must be purchasing enabled for purchasing and dest org.	Perform_Other_Validations/ Check_Dest_Type_Code_Exp
SB-POREQ-20167	If Dest_Type_Code is SHOP FLOOR then item must be an outise-operation item and purchasing enabled for purchasing and dest org.	Perform_Other_Validations/ Check_Dest_Type_Code_Shop
SB-POREQ-20168	If Src_Type_Code is INVENTORY then the item must be stock enabled for the src org and internal-order-enabled for the purchasing.	Perform_Other_Validations/ Check_Src_Type_Code_Inv
SB-POREQ-20169	If Src_Type_Code is VENDOR then the item must be purchasing enabled for the purchasing and dest org id.	Perform_Other_Validations/ Check_Src_Type_Code_Ven
SB-POREQ-20170	Deliver_To_Location_ID is invalid,FK validation failed against Hr_Locations table.	Validate_Foreign_Key_Checks/ Check_Deli_To_Loc_ID_FK
SB-POREQ-20171	category_id is invalid for the given item.	Perform_Other_Validations/ Check_Category_ID_Val

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