

SeeBeyond ICAN Suite

Oracle Applications eWay Intelligent Adapter User's Guide

Release 5.0.1



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Contents

Chapter 1

Introducing the Oracle Applications eWay	8
About Oracle Applications	8
Oracle Applications Basic Operation	9
About the Oracle Applications eWay	10
Oracle Applications eWay Basic Operation	12
Disclaimer	12
What's New in This Release	13
About This Document	13
What's in This Document	13
Scope	13
Intended Audience	14
Document Conventions	14
Screenshots	14
Related Documents	14
SeeBeyond Web Site	14
Feedback	15

Chapter 2

Installing the eWay	16
Supported Operating Systems	16
System Requirements	16
Supported External Applications	17
Before You Install	17
Installing the eWay Product Files	17
After You Install	18
To Load using Enterprise Designer—Using 5.0.3	18
To Copy Directly into the Logical Host—Using 5.0.1 or 5.0.2	19

Chapter 3

Configuring the eWay	20
Setting the eWay Properties in the Connectivity Map	20
Setting the Properties of the Outbound Oracle Applications eWay	21
ClassName	21
Description	22
InitialPoolSize	22
LoginTimeout	22
MaxIdleTime	22
MaxPoolSize	22
MaxStatements	23
MinPoolSize	23
NetworkProtocol	23
PropertyCycle	23
RoleName	23
Setting the Properties of the Outbound Oracle Applications XA eWay	24
ClassName	24
Description	24
InitialPoolSize	24
LoginTimeout	25
MaxIdleTime	25
MaxPoolSize	25
MaxStatements	25
MinPoolSize	25
NetworkProtocol	26
PropertyCycle	26
RoleName	26
Setting the External Properties in the Environment Explorer	27
Setting the Properties of the Outbound Oracle Applications eWay External	28
DatabaseName	28
DataSourceName	28
Delimiter	29
Description	29
DriverProperties	29
Password	29
PortNumber	30
ServerName	30
TNSEntry	30
User	30
Setting the Properties of the Outbound Oracle Applications XA eWay External	31
DatabaseName	31
DataSourceName	32
Delimiter	32
Description	32
DriverProperties	32
Password	33
PortNumber	33
ServerName	33
TNSEntry	33
User	33

Chapter 4

Pre-Validation Process	34
Overview	34
Pre-Validation Scripts	35
Pre-Validation Procedures	35
Common Procedures	35
Interface-Specific Procedures	36
Manufacturing Module	37
Inventory Module	37
Customer Items	37
Customer Items Cross-Reference	37
Cycle Count Entries	38
Items and Item Revisions	38
Replenishment	39
Transactions	39
Purchase Order Import Module	40
Purchase Order Import	40
Purchase Order Receiving	40
Purchase Order Requisitions	41
Order Entry Module	41
Financial Module	42
Accounts Payable Module	42
Accounts Payable	42
Accounts Receivable Module	43
Auto Invoice	43
Auto Lock	44
Customers	44
Cash Management Module	45
Bank Statement	45
Fixed Assets Module	46
Categories	46
Locations	46
Mass Additions	47
General Ledger Module	47
Budget	47
Daily Rates	48
Journal	48
Building a Custom Pre-Validation Package	49
Concurrent Manager Request Function	51
Template DTD	51
Naming Conventions	52
Oracle Interface Name	52
Short Table Name	53
Stored Procedures	53
Staging Table Node	53
SQL File Name	53
Concurrent Manager Request Function	53

Chapter 5

Using the Oracle Applications OTD Wizard	54
Oracle Applications OTD Wizard Overview	54
Creating OTDs	55
Exposed OTD Nodes	59
Staging Table Node	59
COUNT	59
DELETE	61
INITIALIZE	62
MOVE	62
REQUEST	63
REQUEST_STATUS	63
VALIDATE	64

Chapter 6

Working with the Sample Projects	65
Working with the Oracle Applications Samples	65
Exchanging Data with Oracle Applications	66
Using the Order Import Sample	68
Sample Project Overview	68
Import the Order Import Sample	69
Set up the Sample Data	71
Configure the File eWays	71
Create the Environment	72
Create the Deployment Profile	73
Configure the Oracle_Apps External System	75
Activate the Project	76
Run the Sample	77
View the Output Data	77
Using the Order Import BPEL Sample	78
Sample Project Overview	78
Import the Order Import BPEL Sample	79
Set up the Sample Data	79
Configure the File eWays	79
Create the Environment	80
Create the Deployment Profile	80
Configure the Oracle_Apps_BPEL External System	81
Activate the Project	81
Run the Sample	81
View the Output Data	81
Using the Financial GL-Budget Sample	82
Sample Project Overview	82
Import the Financial GL-Budget Sample	83
Set up the Sample Data	85

Configure the File eWays	85
Create the Environment	86
Create the Deployment Profile	86
Configure the Oracle_Apps External System	87
Activate the Project	87
Run the Sample	87
Using the Financial GL-Budget BPEL Sample	88
Sample Project Overview	88
Import the Financial GL-Budget BPEL Sample	89
Set up the Sample Data	89
Configure the File eWays	89
Create the Environment	90
Create the Deployment Profile	90
Configure the Oracle_Apps_Fin_BPEL External System	91
Activate the Project	91
Run the Sample	91

Appendix A

Error Codes 92

Manufacturing	93
Inventory	93
Customer Items	93
Customer Item Cross-Reference	94
Cycle Count Entries	94
Items	95
Item Revisions	98
Replenishment	98
Transactions	100
Purchase Order	102
Import	102
Receiving	105
Requisitions	109
Financial Budget-GL	112
Accounts Payable	112
Accounts Receivable	115
Auto Invoice	115
Auto Lock Box	118
Customer Interface	119
Cash Management	124
Fixed Assets	125
General Ledger	128

Index 130

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.

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 error causes a transmission to fail at runtime.

What's in This Chapter

- [“About Oracle Applications” on page 8](#)
- [“About the Oracle Applications eWay” on page 10](#)
- [“About This Document” on page 13](#)
- [“Related Documents” on page 14](#)
- [“SeeBeyond Web Site” on page 14](#)
- [“Feedback” on page 15](#)

1.1 About 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

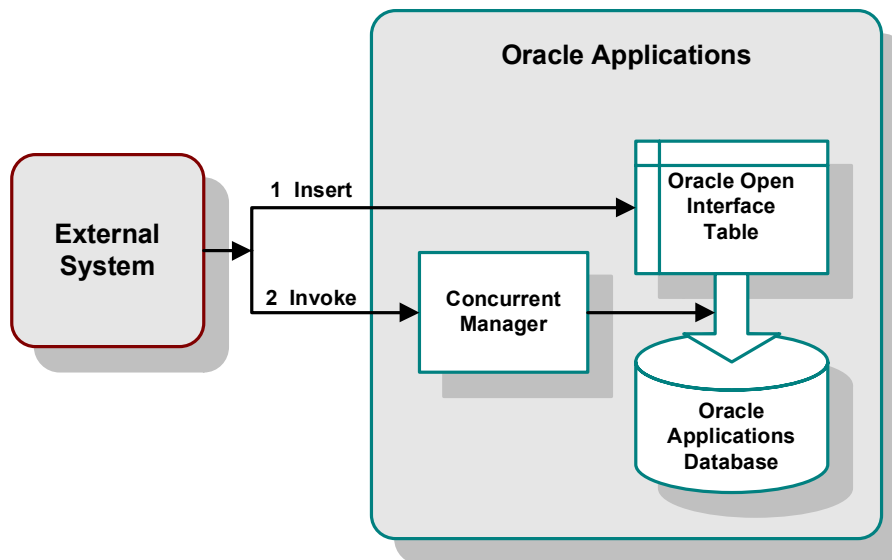
- Marketing
- Sales

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.

1.1.1 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).

1.2 About the 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 causes 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 can choose to have records that fail an import remain in the OIT so that an operator can use the Oracle administration tools to amend and resubmit the data. Alternatively, you can 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:

Management Modules

- 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
- Order Entry

Financial Modules

- Accounts Payable
- Accounts Receivable
 - ◆ Auto Invoice
 - ◆ Auto Lock
 - ◆ Customers
- Cash Management
 - ◆ Bank Statement
- Fixed Assets
 - ◆ Categories
 - ◆ Locations
 - ◆ Mass Additions
- General Ledger
 - ◆ Budget
 - ◆ Daily Rates
 - ◆ Journal

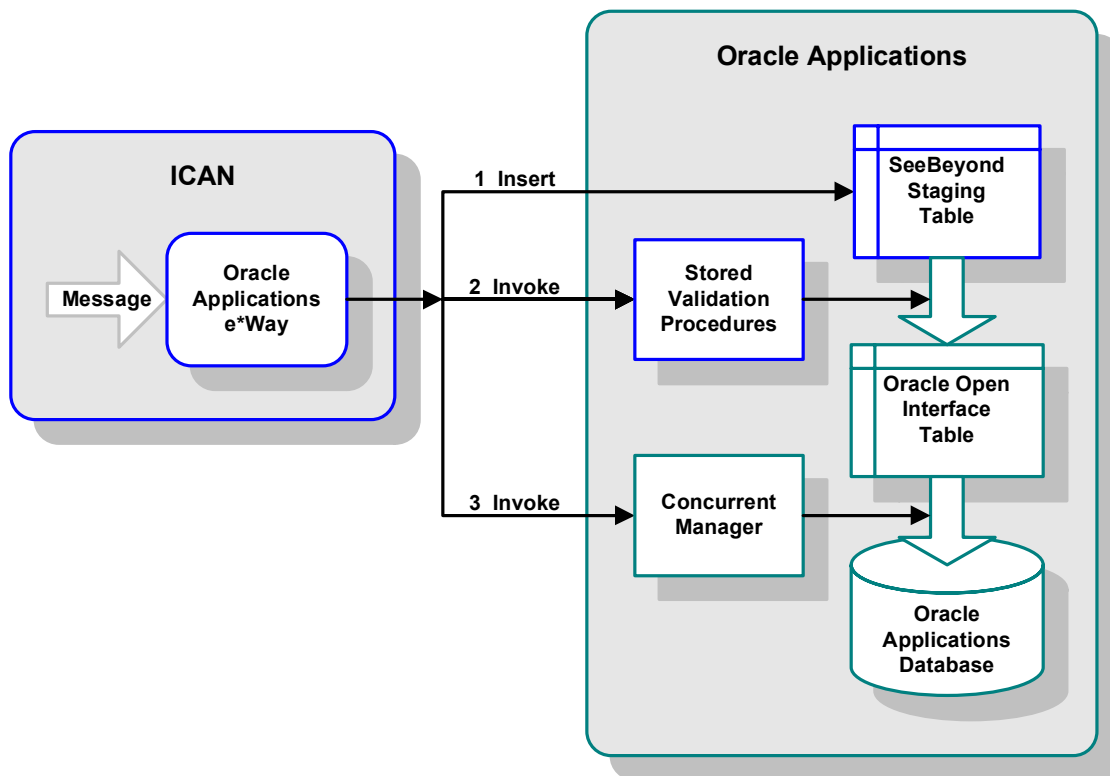
1.2.1 Oracle Applications eWay Basic Operation

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. For more information on the staging table, refer to [Staging Table Node](#) on page 59.
- 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 66.

Figure 2 ICAN-to-Oracle Operation



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.

1.3 What's New in This Release

Support for Pre-Validation for Oracle Financials

The Oracle Applications eWay now supports pre-validation of script packages for Oracle financial modules. For more information about this new feature, refer to ["Financial Module" on page 42](#).

1.4 About This Document

This guide explains how to install, configure, and operate the SeeBeyond® Integrated Composite Application Network Suite™ (ICAN) Oracle Applications eWay Intelligent Adapter, referred to as the Oracle Applications eWay throughout this guide.

1.4.1 What's in This Document

This document includes the following chapters:

- **Chapter 1: "Introducing the Oracle Applications eWay"** Provides an overview description of the product as well as high-level information about this document.
- **Chapter 2: "Installing the eWay"** Describes the system requirements and provides instructions for installing the Oracle Applications eWay.
- **Chapter 3: "Configuring the eWay"** Provides instructions for configuring the eWay to communicate with your legacy systems.
- **Chapter 4: "Using the Oracle Applications OTD Wizard"** Provides information about .sag files and using the Oracle wizard.
- **Chapter 5: "Working with the Sample Projects"** Provides instructions for installing and running the sample Projects.
- **Appendix A: "Error Codes"** Provides a description of error codes returned by the validation scripts.

1.4.2 Scope

This document describes the process of installing, configuring, and running the Oracle Application eWay.

This document does not cover the Java methods exposed by this eWay. For information on the Java methods, download and view the Oracle Applications eWay Javadoc files from the Enterprise Manager.

1.4.3 Intended Audience

This guide is intended for experienced computer users who have the responsibility of helping to set up and maintain a fully functioning ICAN Suite system. This person must also understand any operating systems on which the ICAN Suite is to be installed (Windows or UNIX) and must be thoroughly familiar with Windows-style GUI operations.

1.4.4 Document Conventions

The following writing conventions are observed throughout this document.

Table 1 Writing Conventions

Text	Convention	Example
Button, file, icon, parameter, variable, method, menu, and object names.	Bold text	<ul style="list-style-type: none"> ▪ Click OK to save and close. ▪ From the File menu, select Exit. ▪ Select the logicalhost.exe file. ▪ Enter the timeout value. ▪ Use the getClassName() method. ▪ Configure the Inbound File eWay.
Command line arguments and code samples	Fixed font. Variables are shown in <i>bold italic</i> .	<code>bootstrap -p <i>password</i></code>
Hypertext links	Blue text	http://www.seebeyond.com

1.4.5 Screenshots

Depending on what products you have installed, and how they are configured, the screenshots in this document may differ from what you see on your system.

1.5 Related Documents

The following SeeBeyond documents provide additional information about the ICAN product suite:

- *eGate Integrator User's Guide*
- *SeeBeyond ICAN Suite Installation Guide*

1.6 SeeBeyond Web Site

The SeeBeyond Web site is your best source for up-to-the-minute product news and technical support information. The site's URL is:

<http://www.seebeyond.com>

1.7 Feedback

If you have any feedback on any SeeBeyond documentation, please send an E-mail to:

docfeedback@seebeyond.com

Installing the eWay

This chapter describes how to install the Oracle Applications eWay.

What's in This Chapter

- [Supported Operating Systems](#) on page 16
- [System Requirements](#) on page 16
- [Supported External Applications](#) on page 17
- [Before You Install](#) on page 17
- [Installing the eWay Product Files](#) on page 17
- [After You Install](#) on page 18

2.1 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)

2.2 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.

2.3 Supported External Applications

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.

2.4 Before You Install

Open and review the **Readme.txt** for the Oracle Applications eWay for any additional information or requirements, prior to installation. The **Readme.txt** is located on the installation CD-ROM.

2.5 Installing the eWay Product Files

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 eWay Samples and Javadocs

- 1 From the Documentation tab of the Enterprise Manager, click **Oracle eWay** 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.

After you complete the process of installing the Repository, Logical Host, and Enterprise Designer (as described in the *See Beyond ICAN Suite Installation Guide*), refer to [Chapter 6](#) for instructions on importing the sample project into your repository via the Enterprise Designer

2.6 After You Install

If you choose to use the OCI driver, you must copy the **classes12.jar** file from the Oracle client to the Logical Host.

Oracle 10g users must copy the **ojdbc14.jar** file from the Oracle client, and rename it to the **classes12.jar** file before copying into the Logical Host.

Note: *Be sure to create a back-up of the original classes12.jar file before applying these changes.*

Ways to load the classes12.jar file include:

- Loading the file using Enterprise Designer
- Copying the file directly into the Logical Host

To Load using Enterprise Designer—Using 5.0.3

- 1 Right-click the Logical Host on the Environment tab, and select **Upload File** on the menu.

If you are running on Unix, you must first copy the Oracle driver (classes12.jar or ojdbc14.jar) from the Oracle client on your Unix machine, to a location on Windows.

- 2 On the Upload Third Party Files window, click **Add** and select the **classes12.jar** from the Oracle client installation directory. At run time, the **classes12.jar** file is loaded into the following directory:

```
<egate_logicalhost>:\ICAN50\logicalhost\stcis\lib\
```

Failing to follow the above directions will result in the eWay failing to recognize your Oracle database.

Once the eWay is installed and configured you must first incorporate it into a Project before it can perform its intended functions. See the *eGate Integrator User's Guide* for more information on incorporating the eWay into an eGate Project.

To Copy Directly into the Logical Host—Using 5.0.1 or 5.0.2

- 1 Copy the **classes12.jar** file to:

`<egate_logicalhost>:\stcis\lib\`

Replacing the **classes12.jar** file already in this location with Oracle's **classes12.jar** file.

***Note:** The `<egate_logicalhost>:\stcis\lib` location only appears after running a project.*

***Note:** The Oracle Applications eWay only supports the OCI driver for run-time.*

Configuring the 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.

The Oracle Applications eWay includes two outbound modes—one for XA transactions and one for non-XA transactions. The properties for each of these modes are configured in the Connectivity Map as well as the Environment Explorer.

The Outbound Oracle Applications XA eWay manages XA transactions up to the point where the Interface Table is populated with data. When the Concurrent Manager is invoked, the transaction has already passed to Oracle Applications and is no longer under the control of the eWay.

What's in This Chapter

- [“Setting the Properties of the Outbound Oracle Applications eWay” on page 21](#)
- [“Setting the Properties of the Outbound Oracle Applications XA eWay” on page 24](#)
- [“Setting the Properties of the Outbound Oracle Applications eWay External” on page 28](#)
- [“Setting the Properties of the Outbound Oracle Applications XA eWay External” on page 31](#)

3.1 Setting the eWay Properties in the Connectivity Map

The Oracle Applications eWay has two possible modes in the Connectivity Map. Each type has a unique set of properties to control the behavior of the eWay. The types of Oracle Applications eWays are:

- **Outbound Oracle Applications eWay:** Used to send outbound non-XA transactions to Oracle Applications. For more information, see [“Setting the Properties of the Outbound Oracle Applications eWay” on page 21](#).
- **Outbound Oracle Applications XA eWay:** Used to send outbound XA transactions to Oracle Applications. For more information, see [“Setting the Properties of the Outbound Oracle Applications XA eWay” on page 24](#).

Use the eWay properties to configure each eWay.

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.

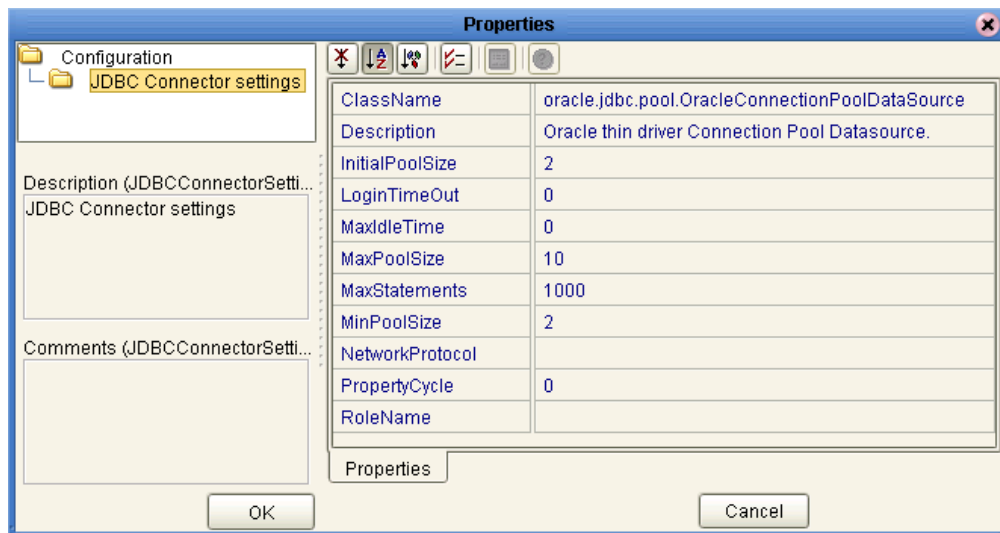
Figure 3 eWay Properties Icon



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

3.1.1 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 contains when it is created.

Required Values

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

LoginTimeOut

Description

Specifies the number of seconds the driver waits before attempting to log into 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 remain in the connection pool, enter a value of **0**. In this case, new connections are 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 waits 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

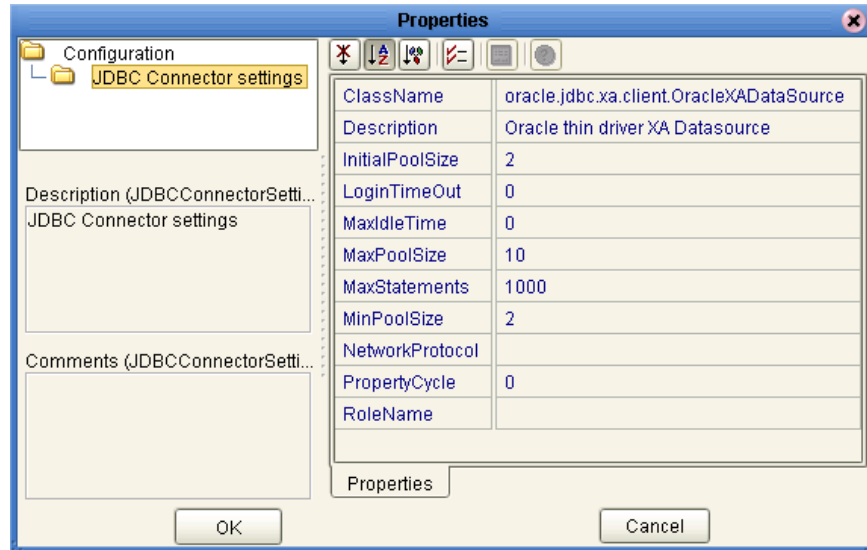
Defines the initial SQL role name.

Required Values

Any valid string.

3.1.2 Setting the Properties of the Outbound Oracle Applications XA eWay

Figure 5 Outbound Oracle Applications XA eWay Properties



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.xa.client.OracleXADataSource**.

Description

Description

Specifies the description for the database.

Required Values

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

InitialPoolSize

Description

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

Required Values

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

LoginTimeout

Description

Specifies the number of seconds the driver waits before attempting to log into 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 remain in the connection pool, enter a value of **0**. In this case, new connections are 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 waits 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.

3.2 Setting the External Properties in the Environment Explorer

The Oracle Applications eWay has two possible modes in the Environment Explorer. Each type has a unique set of properties that control the behavior of the eWay. The types of Oracle Applications eWay External are:

- **Outbound Oracle Applications eWay:** Used to send outbound non-XA transactions to Oracle Applications. For more information, see [“Setting the Properties of the Outbound Oracle Applications eWay External” on page 28.](#)
- **Outbound Oracle Applications XA eWay:** Used to send outbound XA transactions to Oracle Applications. For more information, see [“Setting the Properties of the Outbound Oracle Applications XA eWay External” on page 31.](#)

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**
 - ♦ **Outbound Oracle Applications XA 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.

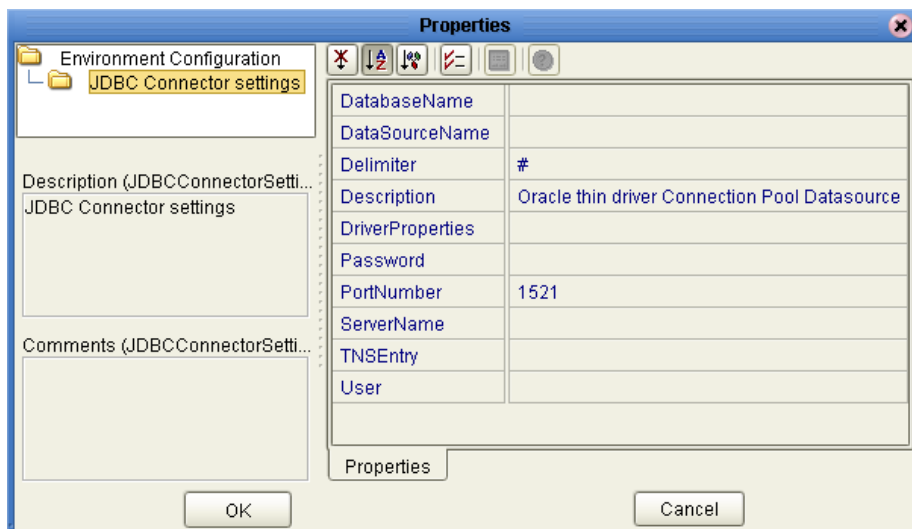
3.2.1 Setting the Properties of the Outbound Oracle Applications eWay External

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

To use the Oracle thin driver:

- DatabaseName
- PortNumber
- ServerName
- User
- Password

Figure 6 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 cases 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.

3.2.2 Setting the Properties of the Outbound Oracle Applications XA eWay External XA eWay External

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

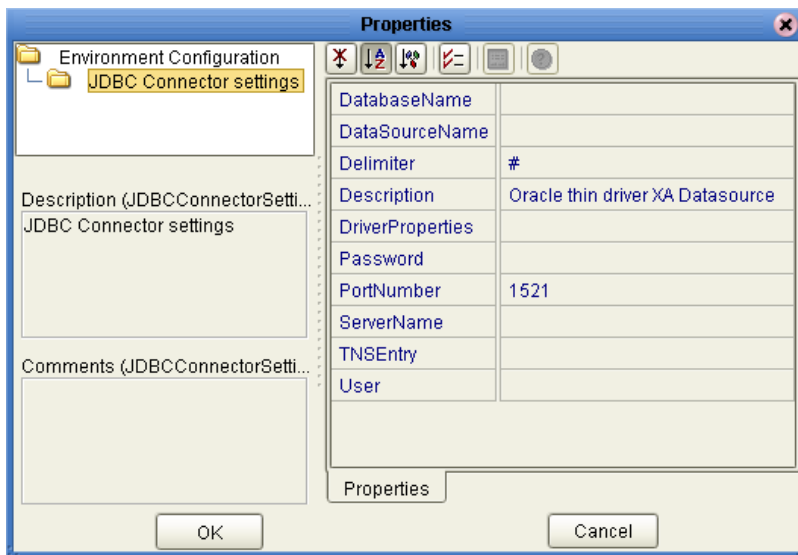
To use the Oracle thin driver:

- DatabaseName
- PortNumber
- ServerName
- User
- Password

To use the Oracle OCI driver:

- TNSEntry
- User
- Password
- PortNumber—not needed, but keep the default

Figure 7 Outbound Oracle Applications XA 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 XA DataSource 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 XA Datasource**.

DriverProperties

Description

Specifies the properties for the JDBC driver being used with this eWay. Use this in cases 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. If a TNS name is specified, then the OCI driver is used, which also requires installation of the Oracle client. If a TNS name is not specified, then the thin driver is used.

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.

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 error codes returned by the scripts, are found in [Appendix A “Error Codes” on page 92](#).

Note: *The provided SeeBeyond Oracle Application scripts are intended to be used as a template or skeleton. You may need to modify these scripts to satisfy your own environment or requirements. These scripts have been tested successfully in the SeeBeyond environment. See the Oracle Applications eWay Readme for more information.*

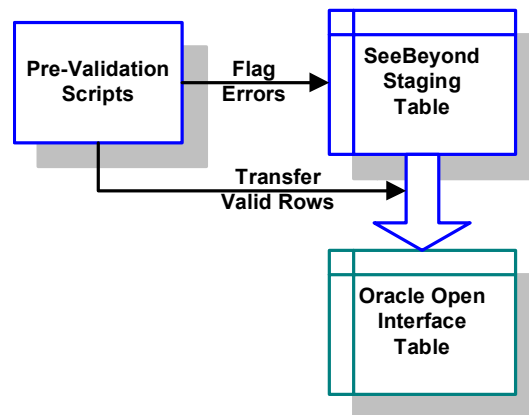
What’s in This Chapter

- [“Overview” on page 34](#)
- [“Manufacturing Module” on page 37](#)
- [“Financial Module” on page 42](#)
- [“Building a Custom Pre-Validation Package” on page 49](#)
- [“Naming Conventions” on page 52](#)

4.1 Overview

Each of the Oracle Applications modules is divided into submodules, each representing a logical division of workflow. Each submodule uses at least one corresponding set of tables and scripts, as shown in [Figure 8 on page 35](#).

Figure 8 Pre-Validation Subsystem



4.1.1 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 49**.

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.

4.1.2 Pre-Validation Procedures

Common Procedures

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

Table 2 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 92](#). 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 92](#).

4.2 Manufacturing Module

The Manufacturing module is divided into the following sub-modules:

- “Inventory Module” on page 37
- “Purchase Order Import Module” on page 40
- “Order Entry Module” on page 41

Each submodule uses at least one corresponding set of tables and scripts, as depicted in [Figure 8 on page 35](#)

4.2.1 Inventory Module

The Oracle Inventory module works with other Oracle Manufacturing modules to provide a complete set of transactions and reports for maintaining inventory control.

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

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

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

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

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

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_interface

Pre-Validation Scripts

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

- 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

4.2.2 Purchase Order Import Module

The Oracle Purchase Order Import module works with other Oracle Manufacturing modules to provide a complete set of transactions and reports for maintaining inventory control.

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

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

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

4.2.3 Order Entry Module

The Oracle Order Entry module works with other Oracle Manufacturing modules to provide a complete set of transactions and reports for maintaining order entry control.

Oracle Interface Tables

Oracle provides the following Interface Table for Order Entry:

- oe_headers_interface
- oe_lines_interface
- oe_actions_interface
- oe_credits_interface
- oe_price_adjs_interface
- oe_lotserials_interface
- oe_reservtns_interface

SeeBeyond Staging Tables

- sb_oe_headers_interface

- `sb_oe_lines_interface`
- `sb_oe_actions_interface`
- `sb_oe_credits_interface`
- `sb_oe_price_adjs_interface`
- `sb_oe_lotserials_interface`
- `sb_oe_reservtns_interface`

Pre-Validation Scripts

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

`sb_validate_oe_pkg.sql`

This file is controlled by the following master validation file:

`sb_validate_oi_pkg.sql`

4.3 Financial Module

The Financial module is divided into the following sub-modules:

- [“Accounts Payable Module” on page 42](#)
- [“Accounts Receivable Module” on page 43](#)
- [“Cash Management Module” on page 45](#)
- [“Fixed Assets Module” on page 46](#)
- [“General Ledger Module” on page 47](#)

Each submodule uses at least one corresponding set of tables and scripts, as depicted in [Figure 8 on page 35](#)

4.3.1 Accounts Payable Module

The Oracle Accounts Payable module works with other Oracle Financial modules to provide a complete set of transactions and reports for maintaining accounts payable control.

Accounts Payable

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- `ap_invoices_interface`
- `ap_invoice_lines_interface`

SeeBeyond Staging Tables

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

- sb_ap_invoices_interface
- sb_ap_invoice_lines_interface

Pre-Validation Scripts

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

- sb_validate_ap_inv_pkg.sql
- sb_validate_ap_inv_lines_pkg.sql

These files are controlled by the following master validation file:

sb_validate_payable_pkg.sql

4.3.2 Accounts Receivable Module

The Oracle Accounts Receivable module works with other Oracle Financial modules to provide a complete set of transactions and reports for maintaining accounts receivable control.

Auto Invoice

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- ra_interface_distributions
- ra_interface_lines_all
- ra_interface_salescredits_all

SeeBeyond Staging Tables

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

- sb_ra_interface_distributions
- sb_ra_interface_lines_all
- sb_ra_interface_salescredits_all

Pre-Validation Scripts

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

- sb_validate_ra_dist_pkg.sql
- sb_validate_ra_lines_pkg.sql
- sb_validate_ra_sales_cr_pkg.sql

This file is controlled by the following master validation file:

sb_validate_auto_inv_pkg.sql

Auto Lock

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- ar_payments_interface_all

SeeBeyond Staging Tables

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

- sb_ar_payments_interface_all

Pre-Validation Scripts

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

- sb_validate_ar_payments_pkg.sql

This file is controlled by the following master validation file:

sb_validate_auto_lock_pkg.sql

Customers

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- ra_customers_interface
- ra_contact_phones_int_all
- ra_cust_pay_method_interface
- ra_customer_banks_int_all
- ra_customer_profiles_interface

SeeBeyond Staging Tables

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

- sb_ra_customers_interface
- sb_ra_contact_phones_int_all
- sb_ra_cust_pay_method_interface
- sb_ra_customer_banks_int_all
- sb_ra_customer_profiles_interface

Pre-Validation Scripts

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

- sb_validate_cust_pkg.sql
- sb_validate_contact_phones_pkg.sql
- sb_validate_cust_pay_mtd_pkg.sql
- sb_validate_cust_banks_pkg.sql
- sb_validate_cust_profiles_pkg.sql

This file is controlled by the following master validation file:

sb_validate_customers_pkg.sql

4.3.3 Cash Management Module

The Oracle Cash Management module works with other Oracle Financial modules to provide a complete set of transactions and reports for maintaining cash management control.

Bank Statement

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- ce_statement_headers_int_all
- ce_statement_lines_interface

SeeBeyond Staging Tables

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

- sb_ce_statement_headers_int_all
- sb_ce_statement_lines_interface

Pre-Validation Scripts

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

- sb_validate_stmt_headers_pkg.sql
- sb_validate_stmt_lines_pkg.sql

These files are controlled by the following master validation file:

sb_validate_bank_stmt_pkg.sql

4.3.4 Fixed Assets Module

The Oracle Fixed Assets module works with other Oracle Financial modules to provide a complete set of transactions and reports for maintaining fixed asset control.

Categories

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- `fa_categories_b`

SeeBeyond Staging Tables

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

- `sb_fa_categories_b`

Pre-Validation Scripts

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

- `sb_validate_cat_pkg.sql`

This file is controlled by the following master validation file:

`sb_validate_fa_categories_pkg.sql`

Locations

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- `fa_locations`

SeeBeyond Staging Tables

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

- `sb_fa_locations`

Pre-Validation Scripts

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

- `sb_validate_loc_pkg.sql`

These files are controlled by the following master validation file:

`sb_validate_fa_locations_pkg.sql`

Mass Additions

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- fa_mass_additions

SeeBeyond Staging Tables

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

- sb_fa_mass_additions

Pre-Validation Scripts

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

- sb_validate_additions_pkg.sql

These files are controlled by the following master validation file:

sb_validate_fa_mass_add_pkg.sql

4.3.5 General Ledger Module

The Oracle General Ledger module works with other Oracle Financial modules to provide a complete set of transactions and reports for maintaining general ledger control.

Budget

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- gl_budget_interface

SeeBeyond Staging Tables

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

- sb_gl_budget_interface

Pre-Validation Scripts

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

- sb_validate_gl_budget_pkg.sql

These files are controlled by the following master validation file:

sb_validate_budget_pkg.sql

Daily Rates

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- `gl_daily_rates_interface`

SeeBeyond Staging Tables

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

- `sb_gl_daily_rates_interface`

Pre-Validation Scripts

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

- `sb_validate_gl_daily_rates_pkg.sql`

These files are controlled by the following master validation file:

`sb_validate_dailyrates_pkg.sql`

Journal

Oracle Interface Tables

Oracle provides the following Interface Table for Requisitions:

- `gl_interface`

SeeBeyond Staging Tables

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

- `sb_gl_interface`

Pre-Validation Scripts

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

- `sb_validate_gl_int_pkg.sql`

These files are controlled by the following master validation file:

`sb_validate_journal_pkg.sql`

4.4 Building a Custom Pre-Validation Package

Important: Read sections 4.5 “Naming Conventions” on page 52 and 5.3 “Exposed OTD Nodes” on page 59 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 (this attribute can have spaces).

- 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**).

While the template XML file does not have an error package or error table entries, you can look at any existing module to create these entries. If you choose to modify the common `sb_install.sql` file to append more errors for the new module, the `SB_ERRORS` table needs to be removed from the database so the wizard can recreate it with new error values the next time the wizard is run.

- 3 Replace the `<%%ORACLE_INTERFACE_NAME%%>` with the correct open interface name. Do not use spaces when creating an `ORACLE_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. Do not use spaces when creating a `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: Do not change either the **Initialize_Profile** stored procedure name, nor its location 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 must 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 **“Pre-Validation Procedures” on page 35** and **“VALIDATE” on page 64** for more information on how to compose the VALIDATE procedure.
- 8 Replace <%%UTILITY_PACKAGE_SQL_FILE_NAME%%> with the correct path and file name for the utility package. This utility package file name must 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 59** 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 must 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 eventually invokes the concurrent manager. Please refer to **“REQUEST” on page 63** 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 must 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 **“Pre-Validation Procedures” on page 35** and **“VALIDATE” on page 64** for more information on how to compose the VALIDATE procedure.

- 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.*

4.4.1 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>
```

4.4.2 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 overrides 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)>
<!-- parameter 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, the program directly uses
    its value as the SB staging table for this specific
    interface
-->
<!ATTLIST Interface_Table
    SB_Name CDATA #IMPLIED
>
<!-- utility store procedure name at specific interface level, this
attribute is optional
    if this attribute is specified, it overrides 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 needs to be compiled in
order for other stored procedure to be compiled successfully -->

```

4.5 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. The file name is case sensitive and must be less than or equal to 30 character due to the rules of Oracle procedure/function 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.

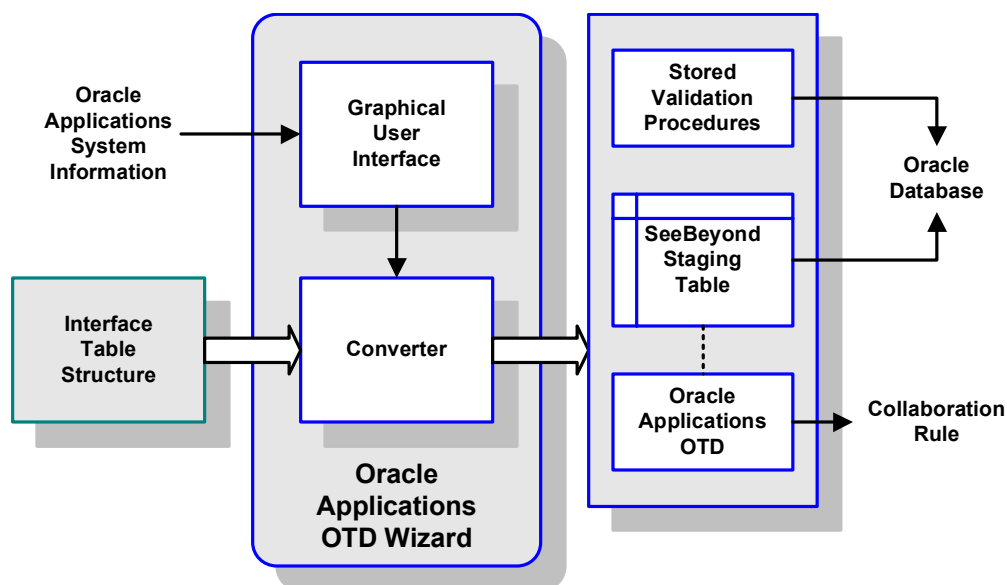
What's in This Chapter

- [“Oracle Applications OTD Wizard Overview” on page 54](#)
- [“Creating OTDs” on page 55](#)
- [“Exposed OTD Nodes” on page 59](#)

5.1 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 queries 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 9 Oracle Applications OTD Wizard



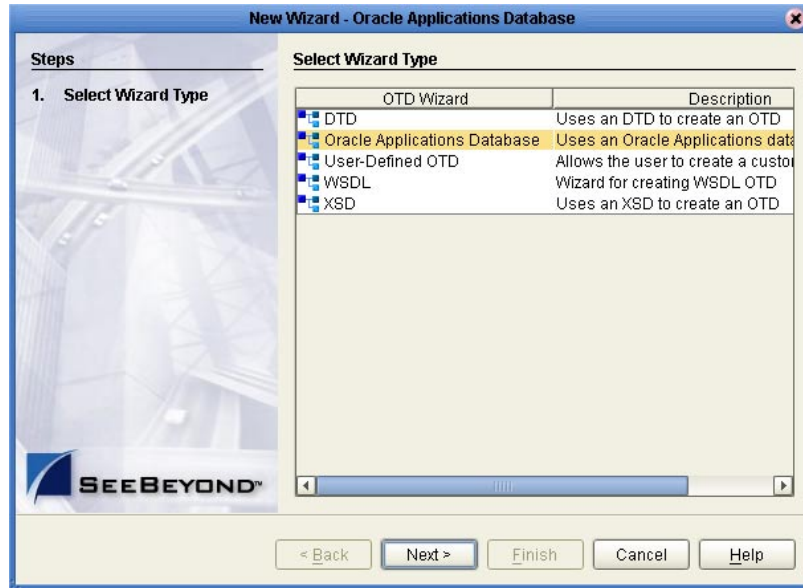
5.2 Creating OTDs

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 10 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 3 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 11 Connect to Database



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

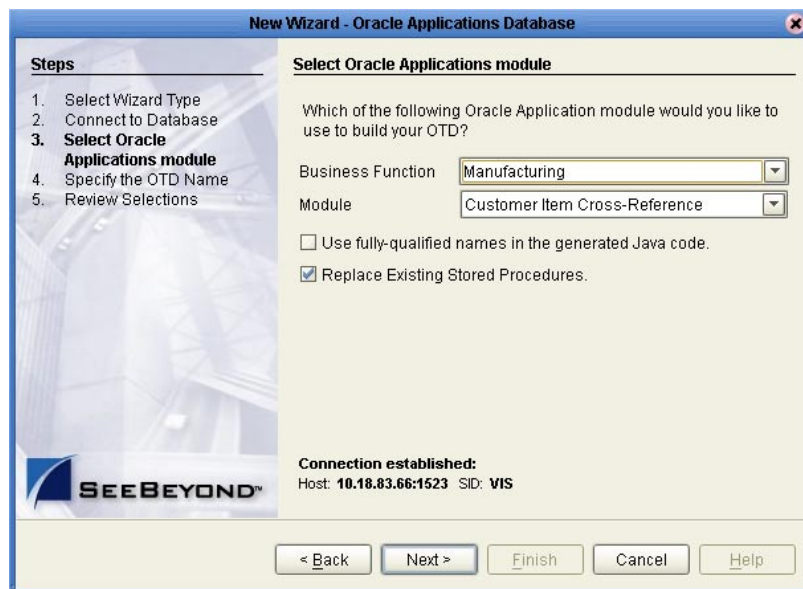
Table 4 Select Oracle Applications module

Module Information	Description
Business Function	Currently Financial and Manufacturing are the only supported business functions.
Module	<p>The available modules in the Financial business function are:</p> <ul style="list-style-type: none"> ▪ Auto Invoice ▪ Auto Lock ▪ Bank Statement ▪ Budget ▪ Customers ▪ Daily Rates ▪ Fixed Assets Categories ▪ Fixed Assets Mass Additions ▪ Journal ▪ Payable <p>The available modules in the Manufacturing business function are:</p> <ul style="list-style-type: none"> ▪ Customer Item ▪ Customer Item Cross-Reference ▪ Cycle Count Entries ▪ Item Import ▪ Item Transactions ▪ Order Requisition ▪ Order Import ▪ Order Receiving ▪ Replenishment

Table 4 Select Oracle Applications module (Continued)

Module Information	Description
Use fully-qualified names in the Java code	Specifies whether the generated Java code uses 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 12 Select Oracle Applications module



Important: A set of stored procedures are installed with the Oracle Applications 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 are not overwritten, an error appears, and the wizard stops.

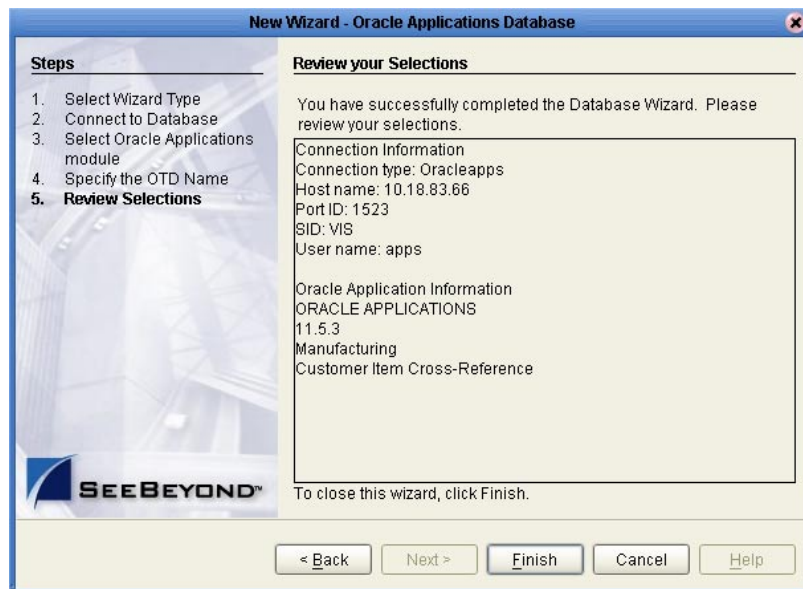
- 5 Type a name for the OTD to be created, and click **Next**.

Figure 13 Specify the OTD Name



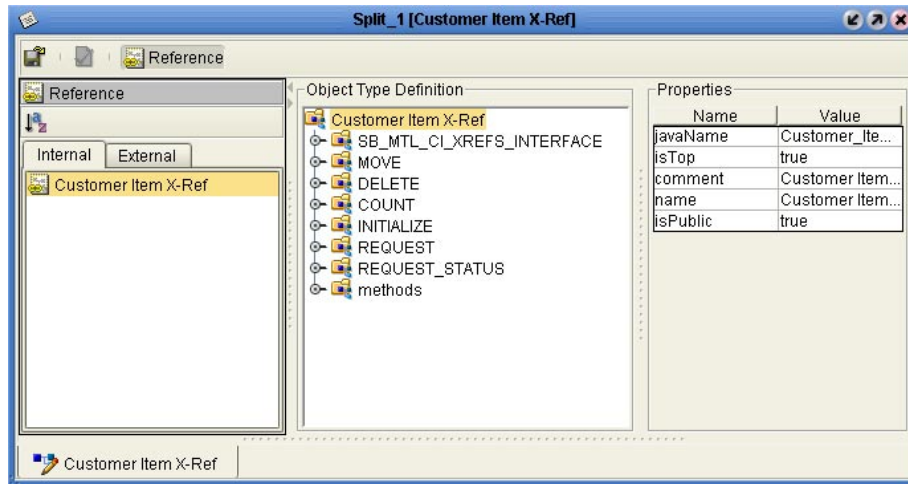
- 6 Click **Finish** to begin generating the OTD. The time it takes the OTD to generate depends on the module you selected and your system performance.

Figure 14 Review Your Selections



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

Figure 15 Finished Object Type Definition



5.3 Exposed OTD Nodes

5.3.1 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.

The Staging Table is created from the Interface Table with the following six extra fields used to support the pre-validation process:

- SB_EWAY_ID
- SB_GROUP_ID
- SB_OBJECT_ID
- SB_PASS_OR_FAIL
- SB_ERROR_CODE
- SB_ERROR_MESSAGE

All of the ID fields (the first three fields shown above) are used for pre-validation purposes within ICAN.

5.3.2 COUNT

Description

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

- If it is located at the OTD root level, the data is counted from *all* Staging Tables.
- If it is located at the Staging Table level, the data is counted 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
- ♦ **I** – 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**

5.3.3 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, the data from *all* Staging Tables is deleted.
- If it is located at the Staging Table level, only the data for that specific Staging Table is deleted.

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
- ♦ **I** – 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**

5.3.4 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 accepts the Organization ID as a parameter.

Requirements

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

5.3.5 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 copies the data from *all* SeeBeyond Staging Tables to the corresponding Oracle Interface Tables.
- If it is located at the Interface Table level, then the data for only that specific Staging Table is copied 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
- ◆ **I** – 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_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**

5.3.6 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>**.

5.3.7 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** always returns **Pending** status after a time-out.

5.3.8 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, the data in *all* Staging Tables is validated.
- If it is located at the Staging Table level, only the data in that specific Staging Table is validated.

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.

What's in This Chapter

- [“Working with the Oracle Applications Samples” on page 65](#)
- [“Exchanging Data with Oracle Applications” on page 66](#)
- [“Using the Order Import Sample” on page 68](#)
- [“Using the Order Import BPEL Sample” on page 78](#)
- [“Using the Financial GL-Budget Sample” on page 82](#)
- [“Using the Financial GL-Budget BPEL Sample” on page 88](#)

6.1 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 68](#).

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 78](#).

The third 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 the financial sample, see [“Using the Financial GL-Budget Sample” on page 82](#).

The fourth 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 the financial BPEL sample, see [“Using the Financial GL-Budget BPEL Sample” on page 88](#).

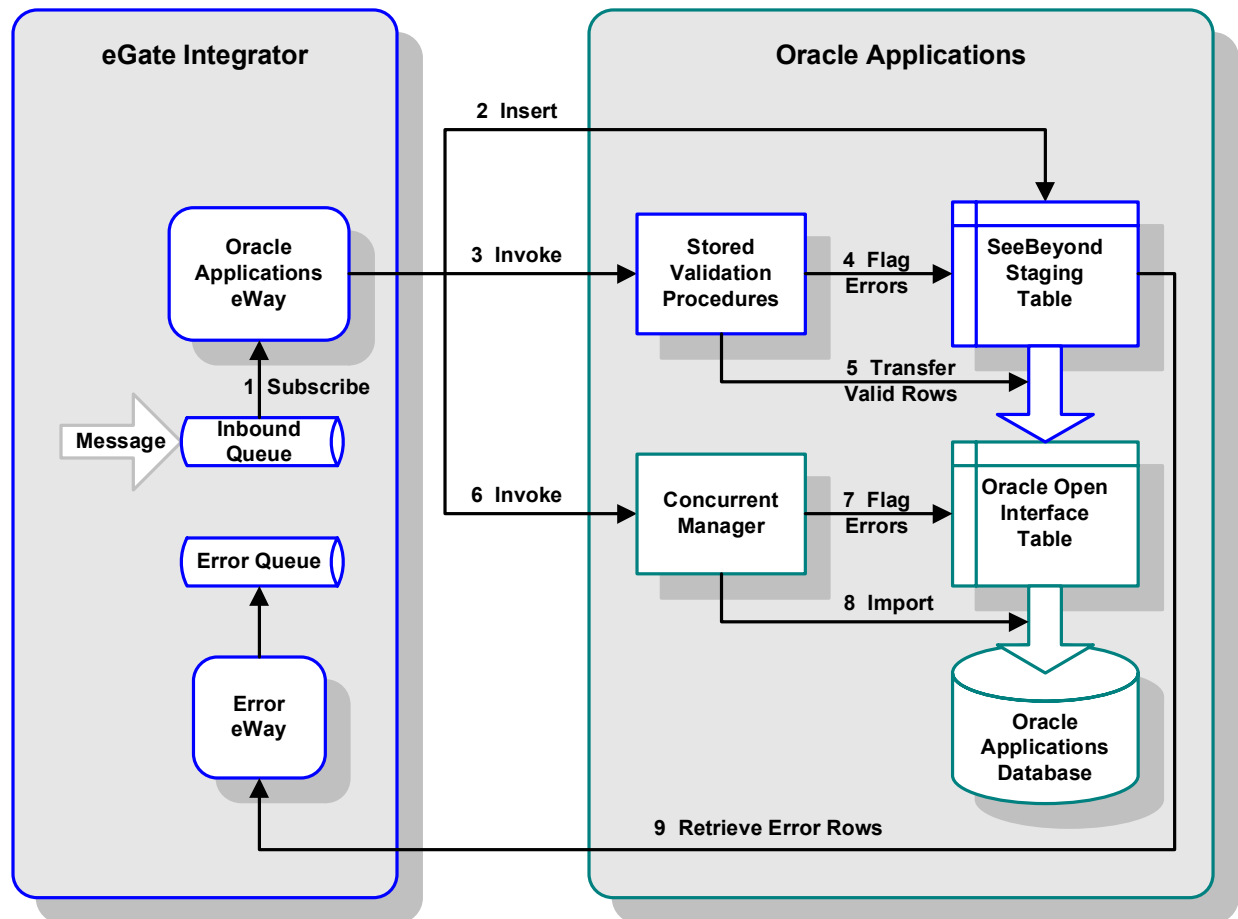
The following section provides a detailed description of how the Oracle Applications eWay exchanges data with the Oracle Applications system.

Important: *These Oracle Applications eWay samples were created with ICAN version 5.0.5 and can only be imported with ICAN 5.0.5 or greater.*

6.2 Exchanging Data with Oracle Applications

Figure 16 depicts the procedure to insert or update the Oracle Applications database with a message from some external system. The individual steps are described below.

Figure 16 ICAN to Oracle Operation



- 1 A Service in the Oracle Applications eWay subscribes to data coming from another 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).

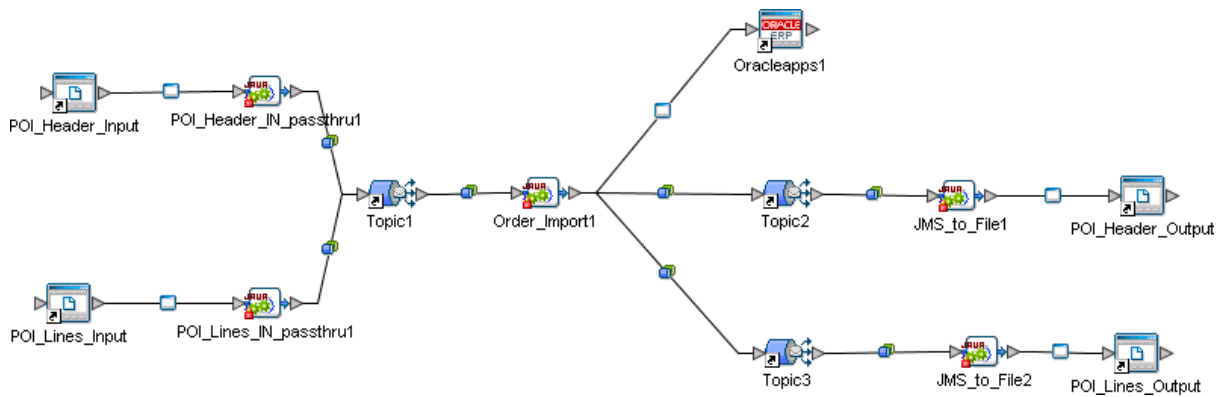
For example, depending on the business requirements:

- ♦ all invalid rows can be deleted before proceeding to move valid rows to the Open Interface Table.
 - ♦ all invalid rows can be published to another system (or be routed there by another eWay).
 - ♦ the eWay can 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.

6.3 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 17 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 5.0.5 and can only be imported with ICAN 5.0.5 or greater.*

Sample Project Overview

To work with this sample, you must 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 must follow these general steps:

- 1 Import the sample Project as described in [“Import the Order Import Sample” on page 69](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 71](#).
- 3 Configure each of the four file eWays as described in [“Configure the File eWays” on page 71](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 72](#).
- 5 Create and configure the Deployment Profile as described in [“Create the Deployment Profile” on page 73](#).
- 6 Configure the **Oracleapps1** eWay—the eWay that exchanges the data with Oracle Applications—as described in [“Configure the Oracle Apps External System” on page 75](#).

- 7 Deploy the Project's Deployment Profile as described in **"Activate the Project"** on page 76.
- 8 Configure the Logical Host's properties and start the bootstrap process as described in **"Run the Sample"** on page 77.
- 9 View the output data to see the results of running the Project as described in **"View the Output Data"** on page 77.

6.3.1 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.

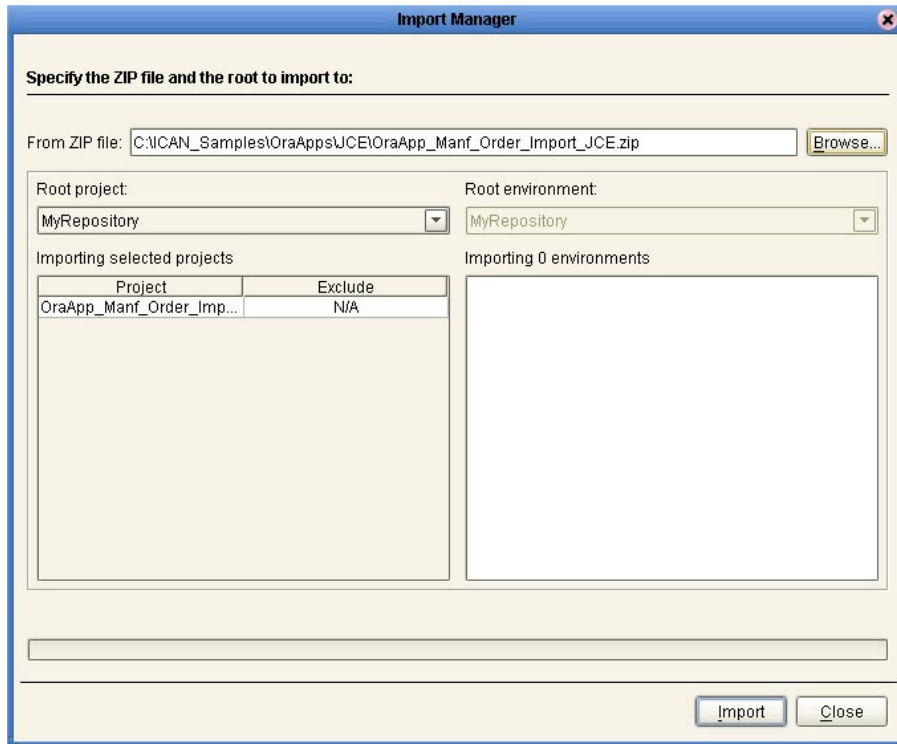
To import the sample in the Enterprise Designer

- 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.

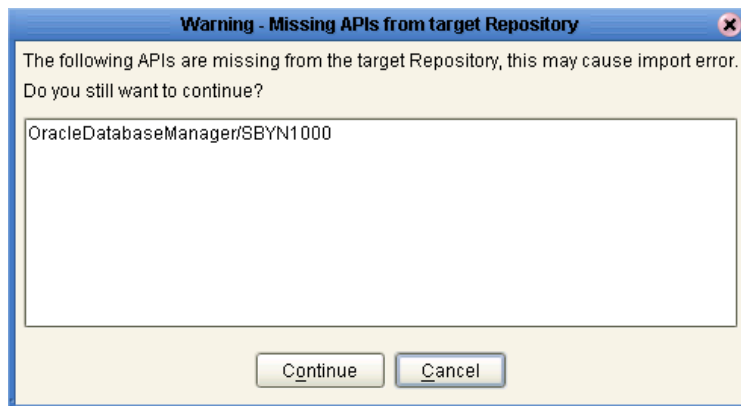
- 3 Click **Browse** and navigate to the location where you downloaded the sample files in step 4 of the previous procedure. In the **JCE** folder, select the **OraApp_Manf_Order_Import_JCE.zip** file and click **Open**.

Figure 18 Import Manager



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

Figure 19 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.

6.3.2 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

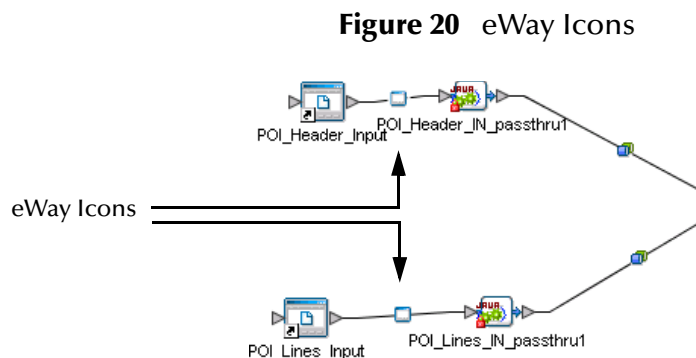
- 1 In Windows Explorer, navigate to the location where you extracted the sample .zip files in step 4 of the [procedure on page 69](#); for example, **C:\ICAN_Samples\OraApps\JCE**.
- 2 Use WinZip to extract these files to a location where the two input file eWays can access them at run time, such as **C:\ICAN_Samples\OraApps\JCE\Input_Files**.

Make a note of this location for later use.

6.3.3 Configure the File eWays

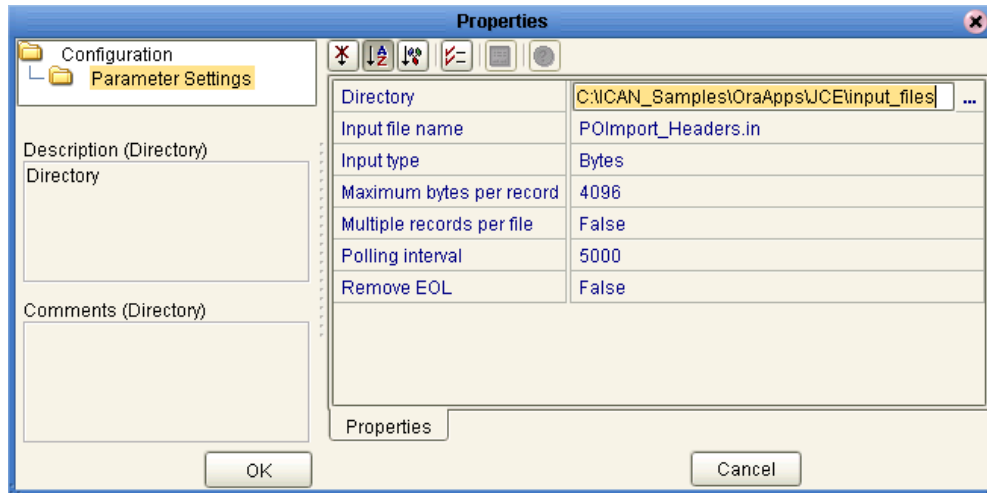
To configure the file eWays

- 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.



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

Figure 21 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 21).
- 7 Similarly, configure the outbound file eWays to write the output files to an appropriate location, such as **C:\ICAN_Samples\OraApps\JCE\output_files**.

6.3.4 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 (Inbound and Outbound File eWays) with the settings found in the following table:

Table 5 Orcl_Apps Environment

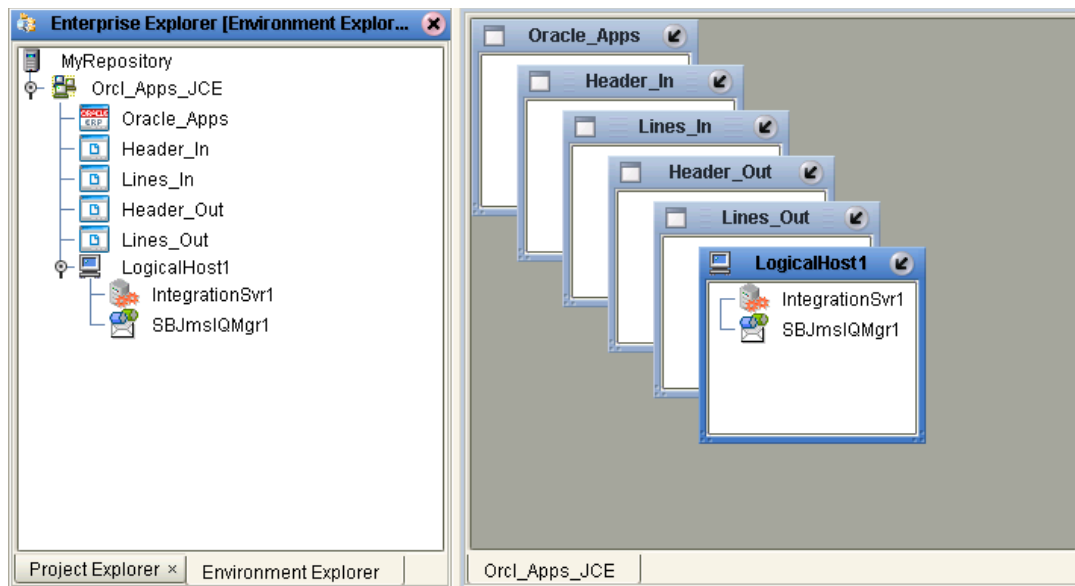
Name	External System Type
LogicalHost1	Logical Host
IntegrationSvr1	SeeBeyond Integration Server
SBJmslQMgr	SeeBeyond JMS IQ Manager

Table 5 Orcl_Apps Environment

Name	External System Type
Oracle_Apps	Outbound Oracle Applications eWay
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 must look like the one shown in the following figure.

Figure 22 Orcl_Apps_JCE Environment



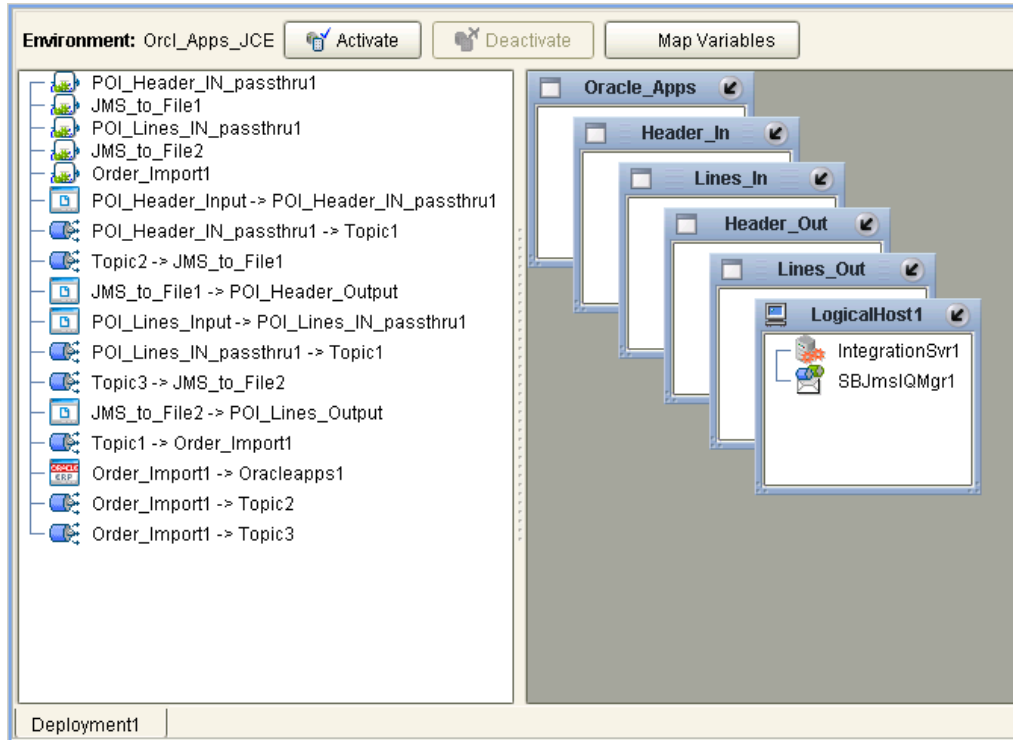
6.3.5 Create the Deployment Profile

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 23 New Deployment Profile



- 3 Drag the components to their corresponding Logical Host or external systems as shown in the following figures (Figure 24 through Figure 29):

Figure 24 Oracle_Apps Deployment

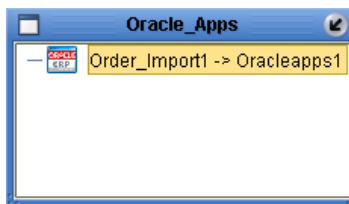


Figure 25 Header_In Deployment

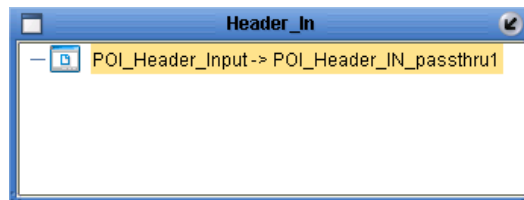


Figure 26 Lines_In Deployment

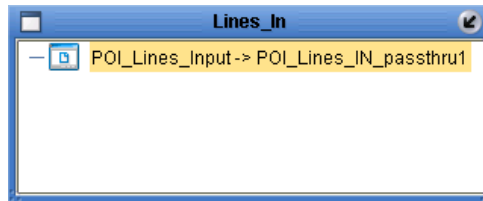


Figure 27 Header_Out Deployment

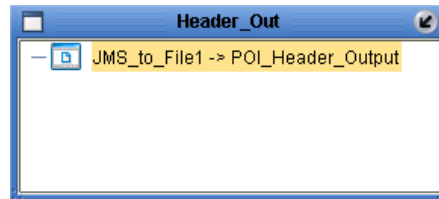


Figure 28 Lines_Out Deployment

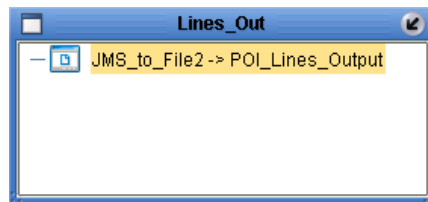
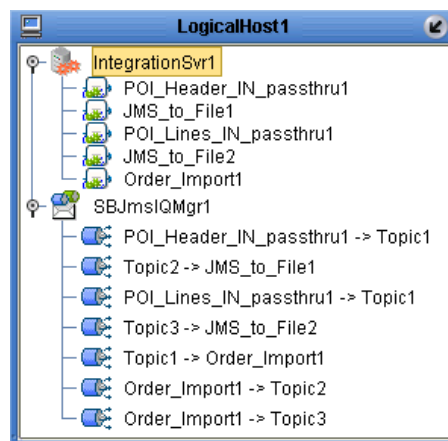


Figure 29 LogicalHost1 Deployment

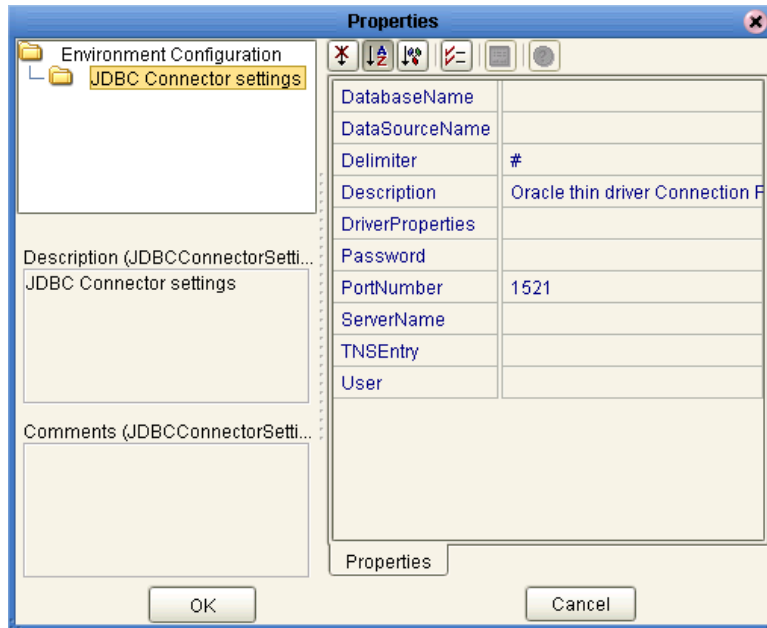


6.3.6 Configure the Oracle_Apps External System

To configure the Oracle_Apps External System

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

Figure 30 The Oracle_Apps External System



- 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 **Oracle_Apps** external application.

6.3.7 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.

6.3.8 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

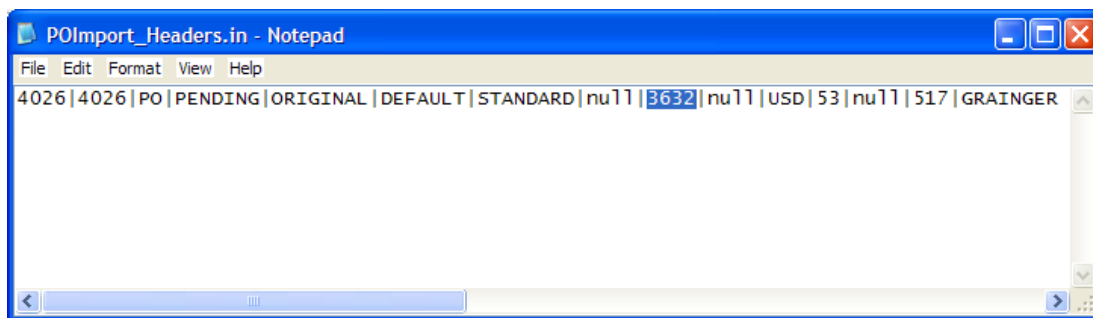
repository_url is the URL (including Repository name) for your Repository server. For example, **http://MyServer:15000/MyRepository**. Substitute the name and port for your Repository server as well as the name of your Repository.

username/password are the user name and password for your ICAN Repository.

Re-running the sample

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

Figure 31 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".

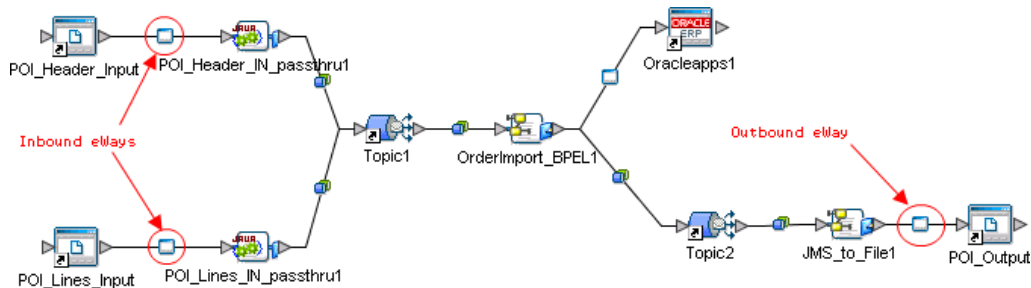
6.3.9 View the Output Data

After running the sample Project, navigate to the location where you configured the outbound file eWays to write the output files, as described in step 7 of the [procedure on page 71](#). These files show the results of the Oracle Applications eWay in this sample Project.

6.4 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 32 The Order Import BPEL Sample



Important: These Oracle Applications eWay samples were created with ICAN version 5.0.5 and can only be imported with ICAN 5.0.5 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 79](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 79](#).
- 3 Configure each of the three file eWays as described in [“Configure the File eWays” on page 79](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 80](#).
- 5 Create and configure the Deployment Profile as described in [“Create the Deployment Profile” on page 80](#).
- 6 Configure the Oracleapps1 eWay—the eWay that exchanges the data with the Oracle Applications—as described in [“Configure the Oracle Apps_BPEL External System” on page 81](#).
- 7 Deploy the Project’s Deployment Profile as described in [“Activate the Project” on page 81](#).

- 8 Configure the Logical Hosts's properties and start the bootstrap process as described in **“Run the Sample” on page 81**.
- 9 View the output data to see the results of running the Project as described in **“View the Output Data” on page 81**.

6.4.1 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 69**. For example, **C:\ICAN_Samples\OraApps\BPEL**.

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

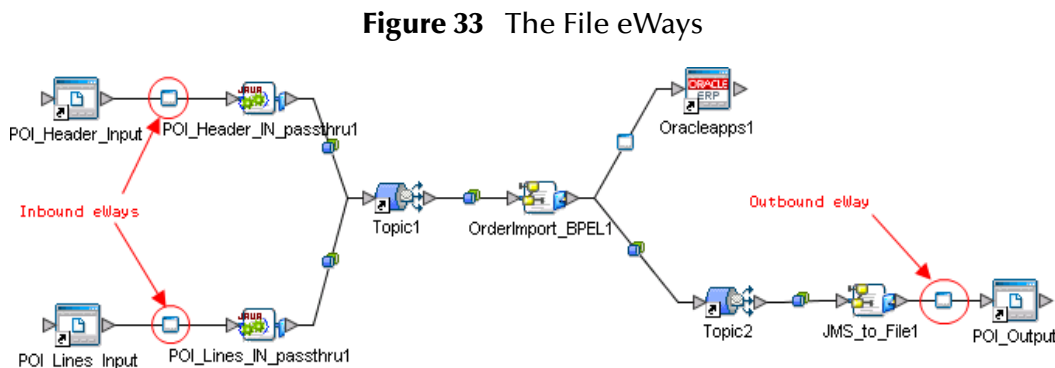
6.4.2 Set up the Sample Data

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.

6.4.3 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 reads the input or writes the output.



6.4.4 Create the Environment

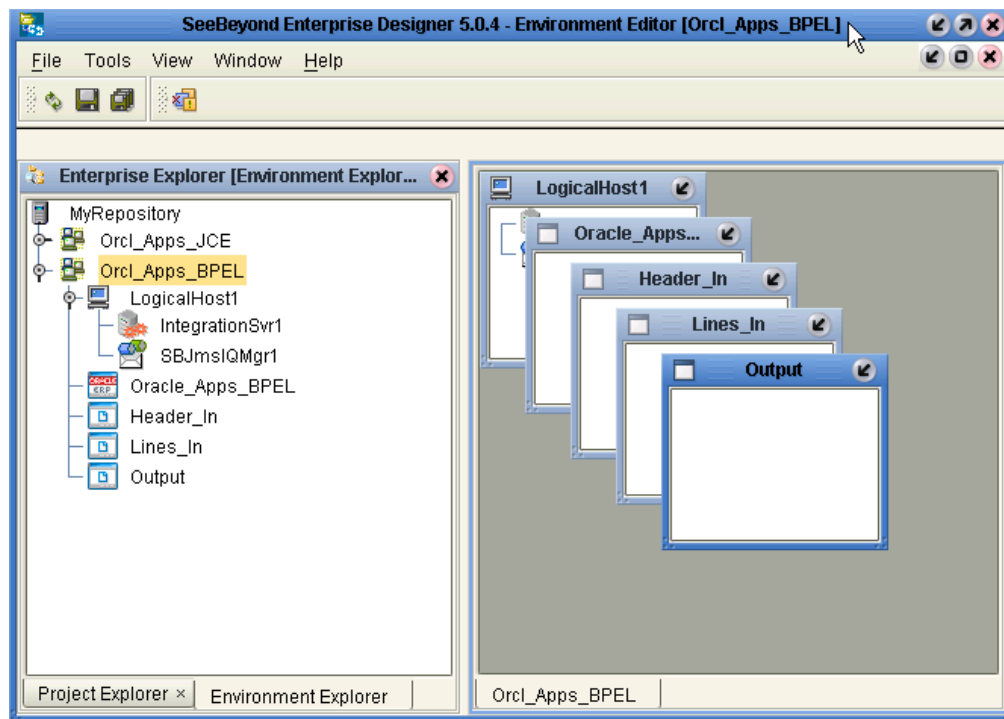
In the Environment Explorer, create a new Environment and add the following items:

Table 6 Orcl_Apps_BPEL Environment

Name	External System 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 will look like the one in the following diagram:

Figure 34 Orcl_Apps_BPEL Environment



6.4.5 Create the Deployment Profile

In the Project Explorer, create a new Deployment Profile and configure the components similar to those shown in Figures 24 through 29—skipping figure 28 (since there is only one outbound file eWay).

6.4.6 Configure the Oracle_Apps_BPEL External System

In the Environment Explorer, configure the Oracle_Apps_BPEL external system the same way it is configured in [“Configure the Oracle_Apps External System” on page 75](#).

6.4.7 Activate the Project

Similarly, use the same steps shown in [“Configure the Oracle_Apps External System” on page 75](#) to activate the Project.

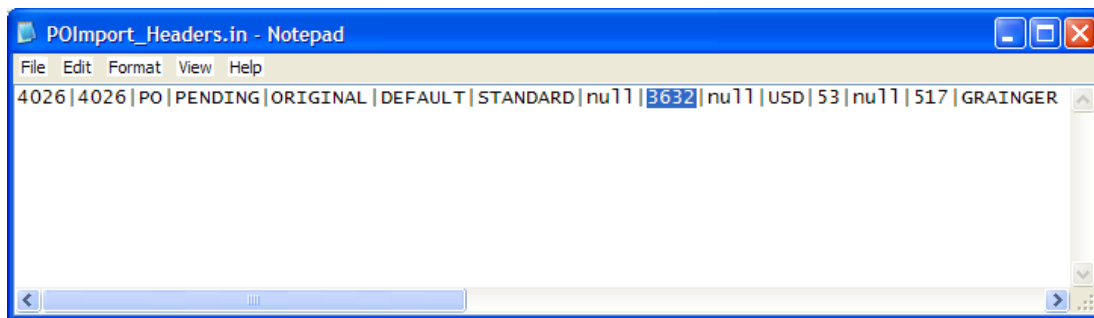
6.4.8 Run the Sample

Follow the steps in [“Run the Sample” on page 77](#) 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 cannot re-run the sample project without modifying the sample header input file (**POImport_Headers.in**). The Oracle database does not allow multiple records with the same document number to be inserted.

Figure 35 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".

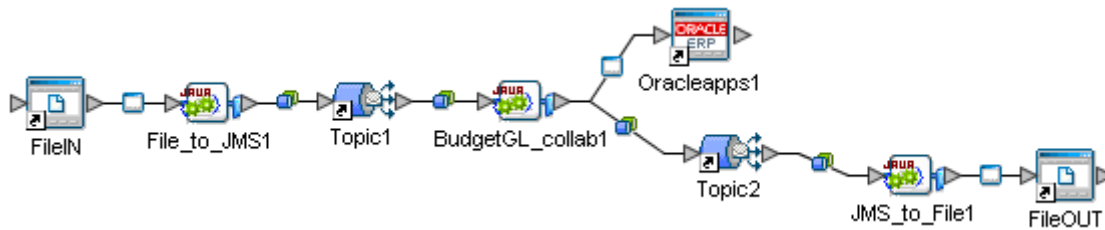
6.4.9 View the Output Data

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 71](#). This file shows the results of the Oracle Applications eWay in this sample Project.

6.5 Using the Financial GL-Budget Sample

The Financial GL-Budget sample demonstrates the operation of the outbound Oracle Applications eWay by reading information from a file, writing the information to the appropriate Oracle Applications tables, and writing the results out to an output file.

Figure 36 The Financial GL-Budget Sample



The input file represents information for a sample budget. The information would typically come from an external application via another eWay or from another upstream ICAN component.

Note: For the validation process, Financial Budget GL samples use the following fields:

- ◆ Currency Code
- ◆ Fiscal Year
- ◆ Update Logic Type
- ◆ Budget Entity Name

Important: These Oracle Applications eWay samples were created with ICAN version 5.0.5 and can only be imported with ICAN 5.0.5 or greater.

Sample Project Overview

To work with this sample, you must import the project into your ICAN Repository, configure the components for your environment, and run the Project. To import, configure, and run the Financial GL-Budget sample, you must follow these general steps:

- 1 Import the sample Project as described in [“Import the Financial GL-Budget Sample” on page 83](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 85](#).
- 3 Configure each of the four file eWays as described in [“Configure the File eWays” on page 85](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 86](#).

- 5 Create and configure the Deployment Profile as described in **“Create the Deployment Profile” on page 86.**
- 6 Configure the **Oracleapps1** eWay—the eWay that exchanges the data with Oracle Applications—as described in **“Configure the Oracle_Apps External System” on page 87.**
- 7 Deploy the Project’s Deployment Profile as described in **“Activate the Project” on page 87.**
- 8 Configure the Logical Host’s properties and start the bootstrap process as described in **“Run the Sample” on page 87.**

6.5.1 Import the Financial GL-Budget 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.**

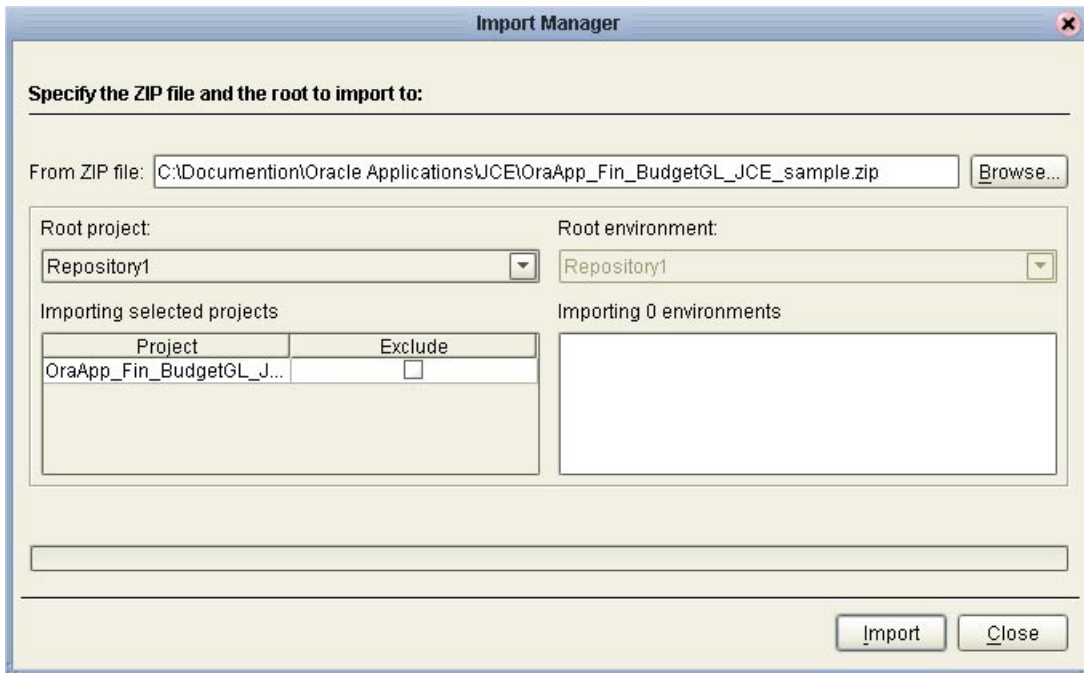
The sample .zip file opens in WinZip.

- 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

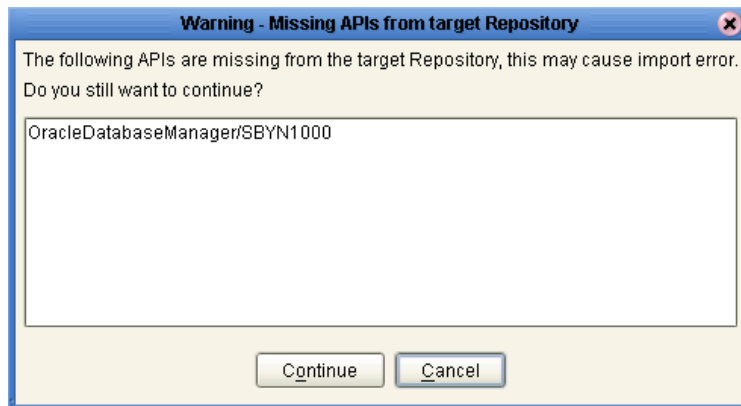
- 1 In the Enterprise Designer, right-click your Repository and click **Import.**
- 2 Click **Yes** to save any changes to your Repository.
The Import Manager appears.
- 3 Click **Browse** and navigate to the location where you downloaded the sample files in step 4 of the previous procedure. In the **JCE** folder, select the **OraApp_Fin_BudgetGL_JCE_sample.zip** file and click **Open.**

Figure 37 Import Manager



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

Figure 38 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_Fin_BudgetGL_JCE_sample** appears in the Enterprise Explorer pane of the Enterprise Designer.

6.5.2 Set up the Sample Data

The **FileIN** external system uses an input file 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 83](#); for example, **C:\ICAN_Samples\OraApps\JCE**.
- 2 Use WinZip to extract these files to a location where the input file eWay can access them at run time, such as **C:\ICAN_Samples\OraApps\JCE\Input_Files**.

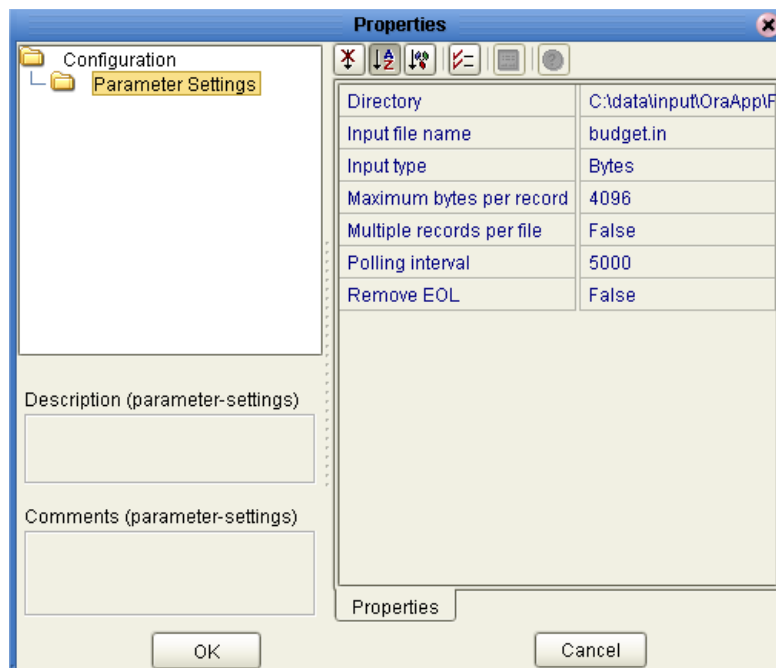
Make a note of this location for later use.

6.5.3 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 **FileIN** external and the **File_to_JMS1** Service to edit the eWay's properties.
- 4 In the **Directory** field, type the location where you extracted the sample input files in step 2 of the previous procedure.

Figure 39 Input File Directory



- 5 Click **OK** to save the changes to the eWay’s properties.
- 6 Similarly, configure the outbound file eWays to write the output files to an appropriate location, such as **C:\ICAN_Samples\OraApps\JCE\output_files**.

6.5.4 Create the Environment

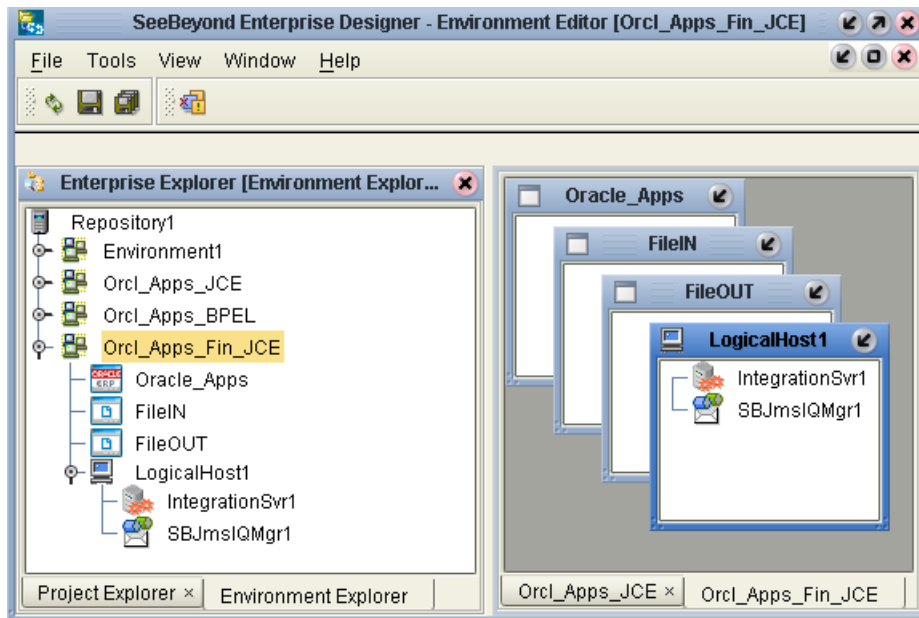
In the Environment Explorer, create a new Environment and add the following items:

Table 7 Oracle_Apps_Environment

Name	External System Type
LogicalHost1	Logical Host
IntegrationSvr1	SeeBeyond Integration Server
SBJmslQMgr	SeeBeyond JMS IQ Manager
Oracle_Apps	Outbound Oracle Applications eWay
FileIN	Inbound File eWay
FileOUT	Outbound File eWay

The Environment will look like the one in the following diagram:

Figure 40 Orcl_Apps_Fin_JCE Environment



6.5.5 Create the Deployment Profile

To create the Deployment Profile

In the Project Explorer, create a new Deployment Profile and configure the components similar to those shown in Figures 24 through 29—skipping figure 28 (since there is only one outbound file eWay).

6.5.6 Configure the Oracle_Apps External System

In the Environment Explorer, configure the Oracle_Apps_BPTEL external system the same way it is configured in [“Configure the Oracle_Apps External System” on page 75](#).

6.5.7 Activate the Project

Similarly, use the same steps shown in [“Configure the Oracle_Apps External System” on page 75](#) to activate the Project.

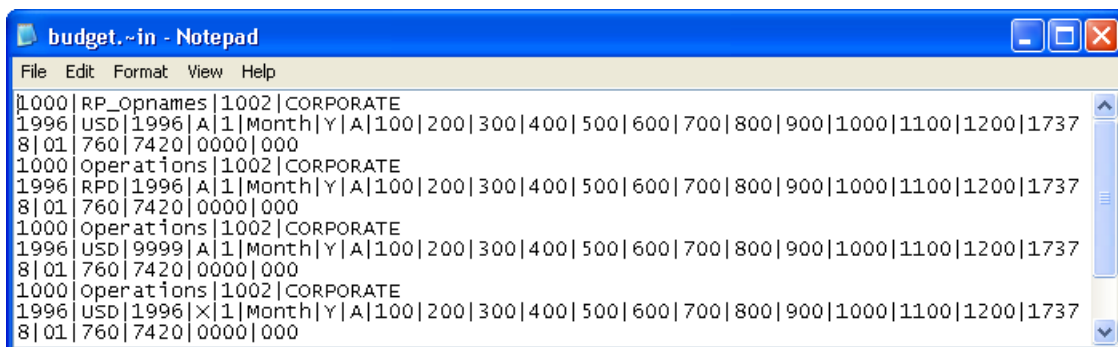
6.5.8 Run the Sample

Follow the steps in [“Run the Sample” on page 77](#) 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 cannot re-run the sample project without modifying the sample header input file (**POImport_Budget.in**). The Oracle database does not allow multiple records with the same document number to be inserted.

Figure 41 Input Budget File – POImport_Budget.in



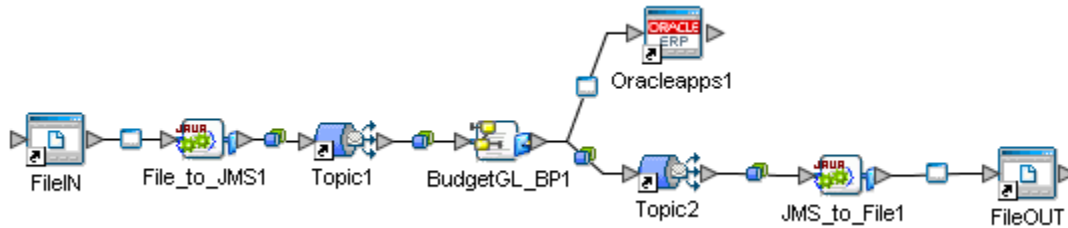
```
budget.~in - Notepad
File Edit Format View Help
1000|RP_opnames|1002|CORPORATE
1996|USD|1996|A|1|Month|Y|A|100|200|300|400|500|600|700|800|900|1000|1100|1200|1737
8|01|760|7420|0000|000
1000|Operations|1002|CORPORATE
1996|RPD|1996|A|1|Month|Y|A|100|200|300|400|500|600|700|800|900|1000|1100|1200|1737
8|01|760|7420|0000|000
1000|Operations|1002|CORPORATE
1996|USD|9999|A|1|Month|Y|A|100|200|300|400|500|600|700|800|900|1000|1100|1200|1737
8|01|760|7420|0000|000
1000|Operations|1002|CORPORATE
1996|USD|1996|X|1|Month|Y|A|100|200|300|400|500|600|700|800|900|1000|1100|1200|1737
8|01|760|7420|0000|000
```

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

6.6 Using the Financial GL-Budget BPEL Sample

The Financial GL-Budget BPEL sample project uses an eInsight business process to exchange data with the Oracle Applications system.

Figure 42 The Financial GL-Budget BPEL Sample



Note: For the validation process, Financial Budget GL samples use the following fields:

- ◆ Currency Code
- ◆ Fiscal Year
- ◆ Update Logic Type
- ◆ Budget Entity Name

Important: These Oracle Applications eWay samples were created with ICAN version 5.0.5 and can only be imported with ICAN 5.0.5 or greater.

Sample Project Overview

This document does not cover the sample in the same level of detail as the previous samples. 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 Financial GL-Budget BPEL Sample” on page 89](#).
- 2 Set up the sample data on your system as described in [“Set up the Sample Data” on page 89](#).
- 3 Configure each of the three file eWays as described in [“Configure the File eWays” on page 89](#).
- 4 Create an Environment for the Project as described in [“Create the Environment” on page 90](#).
- 5 Create and configure the Deployment Profile as described in [“Create the Deployment Profile” on page 90](#).
- 6 Configure the Oracleapps1 eWay—the eWay that exchanges the data with the Oracle Applications—as described in [“Configure the Oracle Apps_Fin_BPEL External System” on page 91](#).

- 7 Deploy the Project's Deployment Profile as described in **“Activate the Project” on page 91**.
- 8 Configure the Logical Hosts's properties and start the bootstrap process as described in **“Run the Sample” on page 91**.

6.6.1 Import the Financial GL-Budget 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_Fin_BudgetGL_BPEL_sample.zip

Look for this file in the location where you downloaded the sample files in step 4 of **procedure on page 69**. For example, **C:\ICAN_Samples\OraApps\BPEL**.

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

6.6.2 Set up the Sample Data

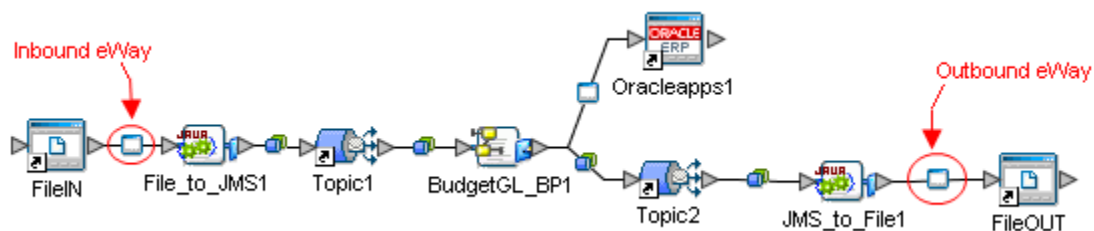
Use Windows Explorer to extract the input files (**input_files.zip**) to a convenient location; for example, **C:\ICAN_Samples\OraApps\BPEL\input_files**. Also create a directory for the output files; for example, **C:\ICAN_Samples\OraApps\BPEL\output**.

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

6.6.3 Configure the File eWays

In the Connectivity Map, configure the inbound file eWay and the outbound file eWay. For each of these eWays, enter the directory where the eWay reads the input or writes the output.

Figure 43 The File eWays



6.6.4 Create the Environment

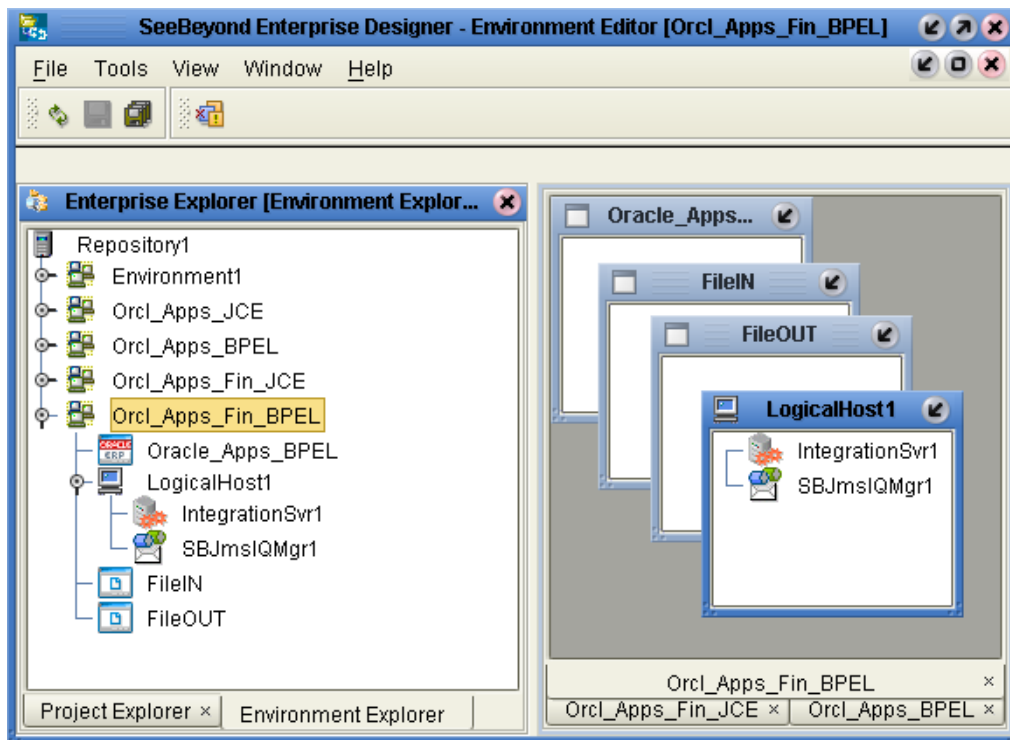
In the Environment Explorer, create a new Environment and add the following items:

Table 8 Orcl_Apps_BPEL Environment

Name	External System Type
LogicalHost1	Logical Host
IntegrationSvr1	SeeBeyond Integration Server
SBJmslQMgr	SeeBeyond JMS IQ Manager
Oracleapps1	Outbound Oracle Applications eWay
FileIN	Inbound File eWay
FileOUT	Outbound File eWay

The Environment will look like the one in the following diagram:

Figure 44 Orcl_Apps_Fin_BPEL Environment



6.6.5 Create the Deployment Profile

In the Project Explorer, create a new Deployment Profile and configure the components similar to those shown in Figures 24 through 29—skipping figure 28 (since there is only one outbound file eWay).

6.6.6 Configure the Oracle_Apps_Fin_BPEL External System

In the Environment Explorer, configure the Oracle_Apps_BPEL external system the same way it is configured in [“Configure the Oracle_Apps External System” on page 75](#).

6.6.7 Activate the Project

Similarly, use the same steps shown in [“Configure the Oracle_Apps External System” on page 75](#) to activate the Project.

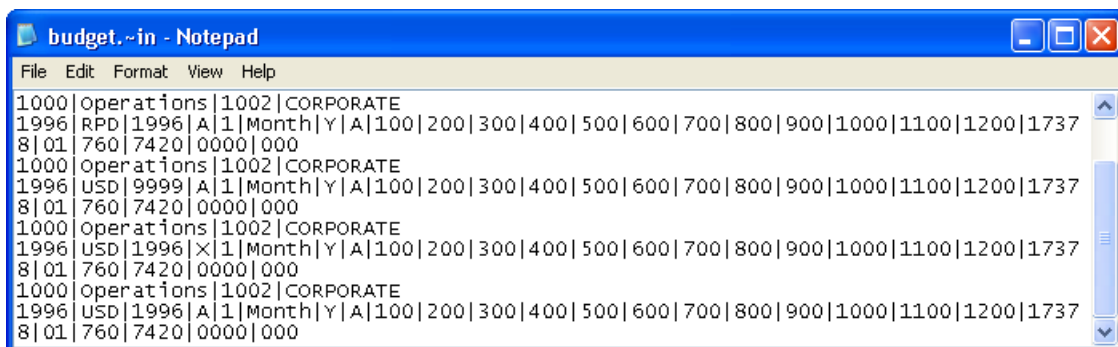
6.6.8 Run the Sample

Follow the steps in [“Run the Sample” on page 77](#) 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 cannot re-run the sample project without modifying the sample header input file (**POImport_Budget.in**). The Oracle database does not allow multiple records with the same document number to be inserted.

Figure 45 Input Budget File – POImport_Budget.in



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

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 34](#).

What’s in This Chapter

[“Manufacturing” on page 93](#)

- ♦ [“Inventory” on page 93](#)
- ♦ [“Purchase Order” on page 102](#)

[“Financial Budget-GL” on page 112](#)

- ♦ [“Accounts Payable” on page 112](#)
- ♦ [“Accounts Receivable” on page 115](#)
- ♦ [“Cash Management” on page 124](#)
- ♦ [“Fixed Assets” on page 125](#)
- ♦ [“General Ledger” on page 128](#)

Note: *If new Error Codes are needed, you must drop the current sb_errors table and either manually or automatically (via the OTD builder) re-run the sb_install.sql script so that a new sb_errors table is created with new entries.*

A.1 Manufacturing

A.1.1 Inventory

Customer Items

Table 9 Customer Item Errors

Error Code	Error Message
SB-INVCIT-25301	Customer_Item_Number is mandatory and the current value is NULL.
SB-INVCIT-25302	Transaction_Type is mandatory and the current value is NULL.
SB-INVCIT-25303	Item_Definition_Level is mandatory and the current value is NULL.
SB-INVCIT-25304	Customer ID, Number and Name are mandatory and the current value is NULL.
SB-INVCIT-25305	Address columns are mandatory and the current value is NULL.
SB-INVCIT-25306	Customer category columns are mandatory and the current value is NULL.
SB-INVCIT-25307	Commodity code columns are mandatory and the current value is NULL.
SB-INVCIT-25308	Container item org columns are mandatory and the current value is NULL.
SB-INVCIT-25309	Model customer item columns are mandatory and the current value is NULL.
SB-INVCIT-25310	Customer_ID is invalid.
SB-INVCIT-25311	Customer_Number is invalid.
SB-INVCIT-25312	Customer_Name is invalid.
SB-INVCIT-25313	Address_ID is invalid.
SB-INVCIT-25314	Customer Category columns are invalid.
SB-INVCIT-25315	Model customer item columns are invalid.
SB-INVCIT-25316	Commodity code is inactive.
SB-INVCIT-25317	Constainer_item_org_id is invalid.
SB-INVCIT-25318	Inactive flag has invalid value.
SB-INVCIT-25319	Container_org_code is invalid.
SB-INVCIT-25320	Container org name is invalid.
SB-INVCIT-25321	Demand tolerance positive value is invalid.
SB-INVCIT-25322	Demand tolerance negative value is invalid.
SB-INVCIT-25323	Min_Fill_Percentage is invalid.
SB-INVCIT-25324	Departure plan required flag is invalid.
SB-INVCIT-25325	Departure plan build flag is invalid.
SB-INVCIT-25326	Departure plan flags combination is invalid.

Customer Item Cross-Reference

Table 10 Customer Item Cross-Reference Errors

Error Code	Error Message
SB-INVCCR-22601	Process_flag is mandatory and the current value is NULL.
SB-INVCCR-22602	Process_mode is mandatory and the current value is NULL.
SB-INVCCR-22603	Last_update_date is mandatory and the current value is NULL.
SB-INVCCR-22604	Last_updated_by is mandatory and the current value is NULL.
SB-INVCCR-22605	Creation_date is mandatory and the current value is NULL.
SB-INVCCR-22606	Created_by is mandatory and the current value is NULL.
SB-INVCCR-22607	Transaction_Type is mandatory and the current value is NULL.
SB-INVCCR-22608	Cust_Item_Number is mandatory and the current value is NULL.
SB-INVCCR-22609	Preference_Number is mandatory and the current value is NULL.
SB-INVCCR-22610	Inactive_flag is mandatory and the current value is NULL.
SB-INVCCR-22611	Lock_flag is mandatory and the current value is NULL.
SB-INVCCR-22612	Cust_Category is mandatory and the current value is NULL.
SB-INVCCR-22613	Address is mandatory and the current value is NULL.
SB-INVCCR-22614	Item_Def_Level is mandatory and the current value is NULL.
SB-INVCCR-22615	Customer is mandatory and the current value is NULL.
SB-INVCCR-22616	Customer_ID is invalid.
SB-INVCCR-22617	Customer_No is invalid.
SB-INVCCR-22618	Customer_Name is invalid.
SB-INVCCR-22619	Address_Valid is invalid.
SB-INVCCR-22620	Cust_Cat_Code is invalid.
SB-INVCCR-22621	Customer_item_id is invalid.
SB-INVCCR-22622	Master_Organization_id is invalid.
SB-INVCCR-22623	Inventory_Item_id is invalid.
SB-INVCCR-22624	Inactive_Flag is invalid.

Cycle Count Entries

Table 11 Cycle Count Entry Errors

Error Code	Error Message
SB-INVCCCE-23301	CC_ENTRY_INTERFACE_ID is mandatory and the current value is NULL.
SB-INVCCCE-23302	ORGANIZATION_ID is mandatory and the current value is NULL.
SB-INVCCCE-23303	ACTION_CODE is mandatory and the current value is NULL.
SB-INVCCCE-23304	EMPLOYEE_ID is mandatory and the current value is NULL.
SB-INVCCCE-23310	ADJUSTMENT_ACCOUNT_ID is invalid.

Table 11 Cycle Count Entry Errors

Error Code	Error Message
SB-INVCCE-23311	CYCLE_COUNT_ENTRY_ID is invalid.
SB-INVCCE-23312	CYCLE_COUNT_HEADER_ID is invalid.
SB-INVCCE-23313	LOCATOR_ID is invalid.
SB-INVCCE-23314	REVISION is invalid.
SB-INVCCE-23315	LOT_NUMBER is invalid.
SB-INVCCE-23316	ORGANIZATION_ID is invalid.
SB-INVCCE-23317	SUBINVENTORY is invalid.
SB-INVCCE-23318	SERIAL_NUMBER is invalid.
SB-INVCCE-23319	INVENTORY_ITEM_ID is invalid.
SB-INVCCE-23320	TRANSACTION_REASON_ID is invalid.
SB-INVCCE-23321	COUNT_UNIT_OF_MEASURE is invalid.
SB-INVCCE-23322	COUNT_UOM is invalid.
SB-INVCCE-23330	EMPLOYEE_ID value is not valid.
SB-INVCCE-23331	PROJECT_ID value is not valid.
SB-INVCCE-23332	TASK_ID value is not valid.
SB-INVCCE-23333	VALID_FLAG value is not valid.
SB-INVCCE-23334	DELETE_FLAG value is not valid.
SB-INVCCE-23335	LOCK_FLAG value is not valid.
SB-INVCCE-23336	PROCESS_FLAG value is not valid.
SB-INVCCE-23337	PROCESS_MODE value is not valid.
SB-INVCCE-23338	STATUS_FLAG value is not valid.

Items

Table 12 Item Errors

Error Code	Error Message
SB-INVITM-21301	Organization_Code or Organization_ID is mandatory and the current value is NULL.
SB-INVITM-21302	item_Number or Segment#s 1 to 20 is mandatory and the current value is NULL.
SB-INVITM-21303	Process_Flag is mandatory and the current value is NULL.
SB-INVITM-21304	Transaction_Type is mandatory and the current value is NULL.
SB-INVITM-21305	Set_Process_ID is mandatory and the current value is NULL.
SB-INVITM-21306	Summary_Flag is invalid.
SB-INVITM-21307	Enabled_Flag is invalid.
SB-INVITM-21308	Purchasing_Item_Flag is invalid.

Table 12 Item Errors

Error Code	Error Message
SB-INVITM-21309	Shippable_Item_Flag is invalid.
SB-INVITM-21310	Customer_Order_Flag is invalid.
SB-INVITM-21311	Internal_Order_Flag is invalid.
SB-INVITM-21312	Service_Item_Flag is invalid.
SB-INVITM-21313	Service_Starting_Delay is less than Zero.
SB-INVITM-21314	Inventory_Item_Flag is invalid.
SB-INVITM-21315	Eng_Item_Flag is invalid.
SB-INVITM-21316	Inventory_Asset_Flag is invalid.
SB-INVITM-21317	Purchasing_Enabled_Flag is invalid.
SB-INVITM-21318	Customer_Order_Enabled_Flag is invalid.
SB-INVITM-21319	Internal_Order_Enabled_Flag is invalid.
SB-INVITM-21320	So_Transactions_Flag is invalid.
SB-INVITM-21321	Mtl_Transactions_Enabled_Flag is invalid.
SB-INVITM-21322	Stock_Enabled_Flag is invalid.
SB-INVITM-21323	Bom_Enabled_Flag is invalid.
SB-INVITM-21324	Build_In_Wip_Flag is invalid.
SB-INVITM-21325	Allow_Item_Desc_Update_Flag is invalid.
SB-INVITM-21326	Receipt_Required_Flag is invalid.
SB-INVITM-21327	Rfq_Required_Flag is invalid.
SB-INVITM-21328	Planning_Time_Fence_Days is less than Zero.
SB-INVITM-21329	Pick_Components_Flag is invalid.
SB-INVITM-21330	Replenish_To_Order_Flag is invalid.
SB-INVITM-21331	ATP_Components_Flag is invalid.
SB-INVITM-21332	Cost_Of_Sales_Account is invalid.
SB-INVITM-21333	Sales_Account is invalid.
SB-INVITM-21334	Encumbrance_Account is invalid.
SB-INVITM-21335	Expense_Account is invalid.
SB-INVITM-21336	List_Price_Per_Unit is less than Zero.
SB-INVITM-21337	Taxable_Flag is invalid.
SB-INVITM-21338	Expense_Billable_Flag is invalid.
SB-INVITM-21339	Time_Billable_Flag is invalid.
SB-INVITM-21340	Service_Duration is invalid.
SB-INVITM-21341	Market_Price is less than Zero.
SB-INVITM-21342	Price_Tolerance_Percent is less than Zero.
SB-INVITM-21343	Shelf_Life_Days is less than Zero.

Table 12 Item Errors

Error Code	Error Message
SB-INVITM-21344	Repetitive_Planning_Flag is invalid.
SB-INVITM-21345	Acceptable_Rate_Decrease is less than Zero.
SB-INVITM-21346	Acceptable_Rate_Increase is less than Zero.
SB-INVITM-21347	Assembly_Pegging_Flag is invalid.
SB-INVITM-21348	Postprocessing_Lead_Time is less than Zero.
SB-INVITM-21349	Vendor_Warranty_Flag is invalid.
SB-INVITM-21350	Serviceable_Component_Flag is invalid.
SB-INVITM-21351	Serviceable_Product_Flag is invalid.
SB-INVITM-21352	Preventive_Maintenance_Flag is invalid.
SB-INVITM-21353	Ship_Model_Complete_Flag is invalid.
SB-INVITM-21354	Prorate_Service_Flag is invalid.
SB-INVITM-21355	Invoiceable_Item_Flag is invalid.
SB-INVITM-21356	Invoice_Enabled_Flag is invalid.
SB-INVITM-21357	Must_Use_Approved_Vendor_Flag is invalid.
SB-INVITM-21358	Outside_Operation_Flag is invalid.
SB-INVITM-21359	Costing_Enabled_Flag is invalid.
SB-INVITM-21360	Cycle_Count_Enabled_Flag is invalid.
SB-INVITM-21361	Auto_Created_Config_Flag is invalid.
SB-INVITM-21362	Container_Item_Flag is invalid.
SB-INVITM-21363	Vehicle_Item_Flag is invalid.
SB-INVITM-21364	Check_Org_ID_Code is invalid.
SB-INVITM-21365	Wip_Supply_Type is invalid.
SB-INVITM-21366	Lot_Control_Code is invalid.
SB-INVITM-21367	Shelf_Life_Code is invalid.
SB-INVITM-21368	Serial_Number_Control_Code is invalid.
SB-INVITM-21369	Restrict_Subinventories_Code is invalid.
SB-INVITM-21370	Restrict_Locators_Code is invalid.
SB-INVITM-21371	Planning_Time_Fence_Code is invalid.
SB-INVITM-21372	Bom_Item_Type is invalid.
SB-INVITM-21373	Allowed_Units_Lookup_Code is invalid.
SB-INVITM-21374	Inventory_Planning_Code is invalid.
SB-INVITM-21375	Planning_Make_Buy_Code is invalid.
SB-INVITM-21376	Mrp_Safety_Stock_Code is invalid.
SB-INVITM-21377	Material_Billable_Flag is invalid.
SB-INVITM-21378	Reservable_Type is invalid.

Table 12 Item Errors

Error Code	Error Message
SB-INVITM-21379	Return_Inspection_Requirement is invalid.
SB-INVITM-21380	Mrp_Planning_Code is invalid.
SB-INVITM-21381	Location_Control_Code is invalid.
SB-INVITM-21382	ITEM DESCRIPTION FIELD CANNOT BE NULL.

Item Revisions

Table 13 Item Revision Errors

Error Code	Error Message
SB-INVREV-22500	Set_process_ID is mandatory and the current value is NULL.
SB-INVREV-22501	Inventory_Item_ID is mandatory and the current value is NULL.
SB-INVREV-22502	Organization_ID is mandatory and the current value is NULL.
SB-INVREV-22503	Revision is mandatory and the current value is NULL.
SB-INVREV-22504	Change_Notice is invalid.
SB-INVREV-22505	Organization_id is invalid.
SB-INVREV-22506	Inventory_item_id is invalid.
SB-INVREV-22507	Primary_key is invalid.
SB-INVREV-22508	Process_flag is invalid.
SB-INVREV-22509	Item_Number is invalid.

Replenishment

Master

Table 14 Replenishment Master Errors

Error Code	Error Message
SB-INVREP-22430	Header has lines that have failed validation.

Headers

Table 15 Replenishment Header Errors

Error Code	Error Message
SB-INVREP-22301	Replenishment_Header_ID is mandatory and the current value is NULL.
SB-INVREP-22302	Replenishment_Count_Name is mandatory and the current value is NULL.
SB-INVREP-22303	Count_Date is mandatory and the current value is NULL.
SB-INVREP-22304	Last_Update_Date is mandatory and the current value is NULL.
SB-INVREP-22305	Creation_Date is mandatory and the current value is NULL.

Table 15 Replenishment Header Errors

Error Code	Error Message
SB-INVREP-22306	Created_By is mandatory and the current value is NULL.
SB-INVREP-22307	Last_Updated_By is mandatory and the current value is NULL.
SB-INVREP-22308	Organization_ID is mandatory and the current value is NULL.
SB-INVREP-22309	SubInventory_Code is mandatory and the current value is NULL.
SB-INVREP-22310	Process_Status is mandatory and the current value is NULL.
SB-INVREP-22311	Process_Mode is mandatory and the current value is NULL.
SB-INVREP-22312	Organization_ID is invalid.
SB-INVREP-22313	SubInventory_Code is invalid.
SB-INVREP-22314	Error_Flag is invalid.
SB-INVREP-22315	Process_Mode is invalid.
SB-INVREP-22316	Process_Status is invalid.
SB-INVREP-22317	Replenish_Header is invalid.
SB-INVREP-22318	Replenish_Count is invalid.
SB-INVREP-22319	Last_Update is invalid.
SB-INVREP-22320	Lines is invalid.

Lines

Table 16 Replenishment Line Errors

Error Code	Error Message
SB-INVREP-22401	Replenishment_Header_ID is mandatory and the current value is NULL
SB-INVREP-22402	Replenishment_Line_ID is mandatory and the current value is NULL
SB-INVREP-22403	Last_Update_Date is mandatory and the current value is NULL
SB-INVREP-22404	Creation_Date is mandatory and the current value is NULL
SB-INVREP-22405	Created_By is mandatory and the current value is NULL
SB-INVREP-22406	Last_Update_Login is mandatory and the current value is NULL
SB-INVREP-22407	Last_Updated_By is mandatory and the current value is NULL
SB-INVREP-22408	Inventory_Item_ID is mandatory and the current value is NULL
SB-INVREP-22409	Count_Type_Code is mandatory and the current value is NULL
SB-INVREP-22410	Count_Quantity is mandatory and the current value is NULL
SB-INVREP-22411	Count_UOM is mandatory and the current value is NULL
SB-INVREP-22412	Count_UOM_Code is mandatory and the current value is NULL
SB-INVREP-22413	Organization_ID is invalid.
SB-INVREP-22414	Rep_Header_ID is invalid.
SB-INVREP-22415	Inventory_Item_ID is invalid.
SB-INVREP-22416	Count_Uom is invalid.

Table 16 Replenishment Line Errors

Error Code	Error Message
SB-INVREP-22417	Count_Uom_Code is invalid.
SB-INVREP-22418	Segment is invalid.
SB-INVREP-22419	Count_Type_Code is invalid.
SB-INVREP-22420	Organization_ID is invalid.
SB-INVREP-22421	Count_Type_Tracked is invalid.
SB-INVREP-22421	Count_Type_Tracked23 is invalid.
SB-INVREP-22422	Inventory_item is invalid.
SB-INVREP-22423	MinMAx_Plan is invalid.
SB-INVREP-22424	Count_Uom_Primary is invalid.

Transactions

Table 17 Transaction Errors

Error Code	Error Message
SB-INVTXN-20301	Source Code is mandatory and the current value is NULL.
SB-INVTXN-20302	Source Line ID is mandatory and the current value is NULL.
SB-INVTXN-20303	Source Header ID is mandatory and the current value is NULL.
SB-INVTXN-20304	Process Flag is mandatory and the current value is NULL.
SB-INVTXN-20305	Transaction Mode is mandatory and the current value is NULL.
SB-INVTXN-20306	Transaction Interface ID is mandatory and the current value is NULL.
SB-INVTXN-20307	Inventory Item ID is mandatory and the current value is NULL.
SB-INVTXN-20308	Organization ID is mandatory and the current value is NULL.
SB-INVTXN-20309	Transaction Quantity is mandatory and the current value is NULL.
SB-INVTXN-20310	Transaction UOM is mandatory and the current value is NULL.
SB-INVTXN-20311	Transaction Date is mandatory and the current value is NULL.
SB-INVTXN-20312	Transaction Source ID is mandatory and the current value is NULL.
SB-INVTXN-20313	Transaction Source Name is mandatory and the current value is NULL.
SB-INVTXN-20314	Transaction Type ID is mandatory and the current value is NULL.
SB-INVTXN-20319	Distribution Account ID is invalid.
SB-INVTXN-20320	Inventory Item ID is invalid.
SB-INVTXN-20321	Organization ID is invalid.
SB-INVTXN-20322	Acct Period ID is invalid.
SB-INVTXN-20323	Schedule ID is invalid.
SB-INVTXN-20324	Operation Seq Num is invalid.
SB-INVTXN-20325	Transportation Account is invalid.
SB-INVTXN-20326	Locator ID is invalid.

Table 17 Transaction Errors

Error Code	Error Message
SB-INVTXN-20327	Transfer Organization is invalid.
SB-INVTXN-20328	Transfer Locator is invalid.
SB-INVTXN-20329	Revision is invalid.
SB-INVTXN-20330	SubInventory Code is invalid.
SB-INVTXN-20331	Transfer SubInventory is invalid.
SB-INVTXN-20332	Schedule Number is invalid.
SB-INVTXN-20333	Reason ID is invalid.
SB-INVTXN-20334	Wip Entity Type is invalid.
SB-INVTXN-20335	Substitution Type ID is invalid.
SB-INVTXN-20344	Transaction Header ID is invalid.

Lots

Table 18 Transaction Lots Errors

Error Code	Error Message
SB-INVTXN-20336	Transaction Interface ID is mandatory and the current value is NULL.
SB-INVTXN-20337	Lot Number is mandatory and the current value is NULL.
SB-INVTXN-20338	Transaction Quantity is mandatory and the current value is NULL.
SB-INVTXN-20339	Transaction Temp ID is invalid.
SB-INVTXN-20340	Transaction Interface ID is invalid.

Serial Numbers

Table 19 Transaction Serial Number Errors

Error Code	Error Message
SB-INVTXN-20341	Transaction Interface ID is mandatory and the current value is NULL.
SB-INVTXN-20342	Fm Serial Number is mandatory and the current value is NULL.
SB-INVTXN-20343	Vendor Serial Number is invalid.

A.1.2 Purchase Order

Import

Master

Table 20 Import Master Errors

Error Code	Error Message
SB-POIMP-20001	Header record does not exist for Po_Header_ID.
SB-POIMP-25006	Header has lines that have failed validation.

Headers

Table 21 Import Header Errors

Error Code	Error Message
SB-POIMP-20002	Interface Header ID is mandatory and the current value is NULL.
SB-POIMP-20003	Action is mandatory and the current value is NULL.
SB-POIMP-20004	Document Type Code is mandatory and the current value is NULL.
SB-POIMP-20006	Vendor Site Code is mandatory and the current value is NULL.
SB-POIMP-20007	Vendor Doc Num is mandatory and the current value is NULL.
SB-POIMP-20008	Action is mandatory and the current value is invalid.
SB-POIMP-20009	Document Type Code is mandatory and the current value is invalid.
SB-POIMP-20010	Vendor ID is invalid.
SB-POIMP-20011	From Type Lookup Code is invalid.
SB-POIMP-20012	Ship To Location ID is invalid.
SB-POIMP-20013	Terms ID is invalid.
SB-POIMP-20014	Ussgl Transaction Code is invalid.
SB-POIMP-20015	Buyer specified is invalid.
SB-POIMP-20016	Bill To Location ID is invalid.
SB-POIMP-20017	Vendor Site ID is invalid.
SB-POIMP-20018	Vendor Contact ID is invalid.
SB-POIMP-20019	From Header ID is invalid.
SB-POIMP-20020	Rate Type is invalid.
SB-POIMP-20021	Currency Code is invalid.
SB-POIMP-20022	Document Number is invalid.
SB-POIMP-20023	Buyer Name is invalid.
SB-POIMP-20024	Vendor Name or Vendor Num is invalid.
SB-POIMP-20025	Vendor Site Code is invalid.
SB-POIMP-20026	Vendor Contact is invalid.

Table 21 Import Header Errors

Error Code	Error Message
SB-POIMP-20027	Ship To Location Code is invalid.
SB-POIMP-20028	Bill To Location Code is invalid.
SB-POIMP-20029	Payment Terms is invalid.
SB-POIMP-20030	Rfq Num is invalid.
SB-POIMP-20031	Amount Limit is less than Amount Agreed.
SB-POIMP-20032	Amount Limit is less than Min Release Amount.
SB-POIMP-20033	Amount Limit is less than Zero.
SB-POIMP-20088	Release Number is invalid.
SB-POIMP-25007	Document Type is Standard, so Action cannot be Update or Replace.
SB-POIMP-25008	Document Type is Standard, so Approval Status must be Incomplete.
SB-POIMP-25009	Vendor Doc Num does not exist.
SB-POIMP-25010	Vendor Doc Num already exists.
SB-POIMP-25011	Release Date is reserved for future use and must be NULL.
SB-POIMP-25012	Document Num must have a unique value, Current value already exists.
SB-POIMP-25013	There must be at least one line per header document.
SB-POIMP-25014	Fob_Active is invalid.
SB-POIMP-25015	Freight_Terms_Active is invalid.
SB-POIMP-25016	Document_Sub_Type is invalid.
SB-POIMP-25017	Num_Of_Lines is invalid.

Lines

Table 22 Import Line Errors

Error Code	Error Message
SB-POIMP-20034	Interface Header ID is mandatory and the current value is NULL.
SB-POIMP-20035	Interface Line ID is mandatory and the current value is NULL.
SB-POIMP-20036	Organization ID is mandatory and the current value is NULL.
SB-POIMP-20037	Po Header ID not found for modification.
SB-POIMP-20038	Category ID is invalid.
SB-POIMP-20039	Line Type ID is invalid.
SB-POIMP-20040	Un Number ID is invalid.
SB-POIMP-20041	Hazard Class ID is invalid.
SB-POIMP-20042	Ussgl Transaction Code is invalid.
SB-POIMP-20043	Closed By is invalid.
SB-POIMP-20044	From Header ID is invalid.
SB-POIMP-20045	From Line ID is invalid.

Table 22 Import Line Errors

Error Code	Error Message
SB-POIMP-20046	Tax Name is invalid.
SB-POIMP-20047	Item Revision is invalid.
SB-POIMP-20048	Unit Of Measure is invalid.
SB-POIMP-20049	Unit Of Measure is invalid for the Item ID/Organization ID.
SB-POIMP-20050	Item ID is invalid.
SB-POIMP-20052	Item is invalid.
SB-POIMP-20054	Uom Code is invalid.
SB-POIMP-20055	Line Type is invalid.
SB-POIMP-20056	Line Num is invalid.
SB-POIMP-20057	Shipment Num is invalid.
SB-POIMP-20058	Un Number is invalid.
SB-POIMP-20059	Hazard Class is invalid.
SB-POIMP-20060	Ship To Organization Code is invalid.
SB-POIMP-20061	Ship To Location Code is invalid.
SB-POIMP-20062	Template Name is invalid.
SB-POIMP-20063	Payment Terms is invalid.
SB-POIMP-20064	Receiving Routing is invalid.
SB-POIMP-20065	Tax Code ID is invalid.
SB-POIMP-20066	Not To Exceed Price must be NULL since Allow Price Override Flag is N.
SB-POIMP-20067	Not To Exceed Price has to be greater or equal to Unit Price.
SB-POIMP-20068	Max Order Quantity must be greater than Min Order Quantity.
SB-POIMP-20069	Closed Code must be null for QUOTATION Document Type.
SB-POIMP-20070	Committed Amount must be null for QUOTATION Document Type.
SB-POIMP-20071	Market Price must be null for QUOTATION Document Type.
SB-POIMP-20072	Allow Price Override Flag must be null for QUOTATION Document Type.
SB-POIMP-20073	Not To Exceed Price must be null for QUOTATION Document Type.
SB-POIMP-20074	Negotiated By Preparer Flag must be null for QUOTATION Document Type.
SB-POIMP-20075	Capital Expense Flag must be null for QUOTATION Document Type.
SB-POIMP-20076	Min Release Amount for QUOTATION/BLANKET Document Type.
SB-POIMP-20077	Min Order Quantity is less than 0.
SB-POIMP-20078	Max Order Quantity is less than 0.
SB-POIMP-20079	Over Tolerance Error Flag must be either Y or N.
SB-POIMP-20080	Qty Rcv Tolerance must be NULL for BLANKET Document Type.
SB-POIMP-20081	Qty Rcv Exception Code must be NULL for BLANKET Document Type.
SB-POIMP-20082	Freight Carrier must be NULL for BLANKET Document Type.

Table 22 Import Line Errors

Error Code	Error Message
SB-POIMP-20083	Fob must be NULL for BLANKET Document Type.
SB-POIMP-20084	Freight Terms must be NULL for BLANKET Document Type.
SB-POIMP-20085	Receipt Required Flag must be NULL for BLANKET Document Type.
SB-POIMP-20086	Inspection Required Flag must be NULL for BLANKET Document Type.
SB-POIMP-20087	Unit Price must not be NULL or < 0.
SB-POIMP-20088	Release Num is reserved for future use and must be NULL.
SB-POIMP-20089	Po Release ID is reserved for future use and must be NULL.
SB-POIMP-20090	Source Shipment ID is reserved for future use and must be NULL.
SB-POIMP-20091	Contract Num is reserved for future use and must be NULL.
SB-POIMP-20092	Type 1099 must be NULL.
SB-POIMP-20093	Receipt Days Exception Code must be NULL.
SB-POIMP-20094	Need By Date must be NULL.
SB-POIMP-20095	Promised Date must be NULL.
SB-POIMP-20096	Closed Reason must be NULL.
SB-POIMP-20097	Closed Date must be NULL.
SB-POIMP-20098	Closed By must be NULL.
SB-POIMP-20099	Firm Flag must be NULL.
SB-POIMP-20100	Quantity must be greater than 0.
SB-POIMP-25001	Committed Amount must be greater than 0.
SB-POIMP-25002	Market Price must be greater than 0.
SB-POIMP-25003	Negotiated By Preparer Flag must be either Y or N.
SB-POIMP-25004	Capital Expense Flag must be either Y or N.
SB-POIMP-25005	Tax name and Tax Code ID must be NULL if Taxable Flag is NULL or N.
SB-POIMP-25014	FOB is inactive.
SB-POIMP-25015	Freight_Terms is inactive.

Receiving

Master

Table 23 Receiving Master Errors

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

Headers

Table 24 Receiving Header Errors

Error Code	Error Message
SB-POREC-20100	Header_Interface_ID field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20101	Group_ID field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20102	Processing_Status_Code field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20103	Receipt_Source_Code field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20104	Transaction_Type field is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20105	Value Required in Vendor_Name or Vendor_Num field in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20106	Validation_Flag is mandatory in RCV_HEADERS_INTERFACE table and current value is null.
SB-POREC-20107	ASN_TYPE field in RCV_HEADERS_INTERFACE must be ASN or ASBN.
SB-POREC-20108	Processing_Status_Code field in RCV_HEADERS_INTERFACE must be PENDING.
SB-POREC-20109	Receipt_Source_Code field in RCV_HEADERS_INTERFACE must be VENDOR.
SB-POREC-20110	Transaction_Type field in RCV_HEADERS_INTERFACE must be NEW or CANCEL.
SB-POREC-20111	Validation_Flag field in RCV_HEADERS_INTERFACE must be Y or N.
SB-POREC-20112	Auto_Transact_Code field in RCV_HEADERS_INTERFACE must be SHIP or RECEIVE or DELIVER.
SB-POREC-20113	Receipt_Num cannot be NULL when Auto_Transact_Code is SHIP.
SB-POREC-20114	Shipped_Date cannot be NULL when Asn_Type is ASN or ASBN.
SB-POREC-20115	Invoice_Num cannot be NULL when Asn_Type is ASBN.
SB-POREC-20116	Invoice_Date cannot be NULL when Asn_Type is ASBN.
SB-POREC-20117	Total_Invoice_Amount cannot be NULL or negative when Asn_Type is ASBN.
SB-POREC-20118	Both Employee_ID and Employee_Name cannot be null when Auto_Transact_Code is RECEIVE.
SB-POREC-20119	Invalid Vendor_Name.
SB-POREC20189	Shipped_Date cannot be earlier than SYSDATE or EXPECTED_RECEIPT_DATE.
SB-POREC20190	Invalid Employee_name.

Transactions

Table 25 Receiving Transaction Errors

Error Code	Error Message
SB-POREC-20120	Interface_Transaction_ID field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20121	Group_ID field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20122	Transaction_Type field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20123	Transaction_Date field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20124	Processing_Status_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20125	Processing_Mode_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20126	Transaction_Status_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20127	Quantity field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20128	Unit_Of_Measure field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20129	Item_Description field is mandatory in rcv_transactions_interface table and current value is null.
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.
SB-POREC-20131	Auto_Transact_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20132	Receipt_Source_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20133	Vendor_Site_ID field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20134	Value required in either Vendor_Name or Vendor_Num fields in rcv_transactions_interface table and currently both are null.
SB-POREC-20135	Source_Document_Code field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20136	Value required in Document_Num or Po_Header_ID and currently both are null.
SB-POREC-20137	Header_Interface_ID field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20138	Validation_Flag field is mandatory in rcv_transactions_interface table and current value is null.
SB-POREC-20139	FK Validation. Invalid Routing_Header_ID.

Table 25 Receiving Transaction Errors

Error Code	Error Message
SB-POREC-20140	FK Validation. Invalid Routing_Step_ID.
SB-POREC-20141	FK Validation. Invalid Parent_Transaction_ID.
SB-POREC-20142	FK Validation. Invalid Po_Header_ID.
SB-POREC-20143	FK Validation. Invalid Po_Line_ID.
SB-POREC-20144	FK Validation. Invalid Po_Line_Location_ID.
SB-POREC-20145	FK Validation. Invalid Inv_Transaction_ID.
SB-POREC-20146	FK Validation. Invalid Po_Distribution_ID.
SB-POREC-20147	FK Validation. Invalid Po_Release_ID.
SB-POREC-20148	Foreign Key Validation. Invalid Requisition_Line_ID.
SB-POREC-20149	FK Validation. Invalid Requisition_Distribution_ID.
SB-POREC-20150	FK Validation. Invalid Inspection_Quality_Code.
SB-POREC-20151	FK Validation. Invalid Charge_Account_ID.
SB-POREC-20152	FK Validation. Invalid Employee_ID.
SB-POREC-20153	FK Validation. Invalid Wip_Entity_ID.
SB-POREC-20154	FK Validation. Invalid Item_ID.
SB-POREC-20155	FK Validation. Invalid Transportation_Account_ID.
SB-POREC-20156	FK Validation. Invalid Wip_Line_ID.
SB-POREC-20157	FK Validation. Invalid Repetitive_Schedule_ID.
SB-POREC-20158	Foreign Key Validation. Invalid Wip_Entity_ID for wip_operations.
SB-POREC-20159	FK Validation. Invalid Wip_Entity_ID for wip_operations_resources.
SB-POREC-20160	FK Validation. Invalid Bom_Resource_ID.
SB-POREC-20161	FK Validation. Invalid Department_Code.
SB-POREC-20162	FK Validation. Invalid Freight_Carrier_Code.
SB-POREC-20163	FK Validation. Invalid SubInventory.
SB-POREC-20164	FK Validation. Invalid Locator_ID.
SB-POREC-20165	FK Validation. Invalid Uom_Code.
SB-POREC-20166	FK Validation. Invalid Currency_Conversion_Type.
SB-POREC-20167	FK Validation. Invalid Reason_ID.
SB-POREC-20168	FK Validation. Invalid Source_Doc_Unit_Of_Measure.
SB-POREC-20170	FK Validation. Invalid Shipment_Header_ID.
SB-POREC-20171	FK Validation. Invalid Shipment_Line_ID.
SB-POREC-20172	FK Validation. Invalid Primary_Unit_Of_Measure.
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.
SB-POREC-20174	Transaction_Type must be SHIP or RECEIVE.
SB-POREC-20175	Processing_Status_Code must be PENDING.

Table 25 Receiving Transaction Errors

Error Code	Error Message
SB-POREC-20176	Processing_Mode_Code must be BATCH.
SB-POREC-20177	Auto_Transact_Code must be RECEIVE or DELIVER or SHIP.
SB-POREC-20178	Receipt_Source_Code must be VENDOR.
SB-POREC-20179	Source_Document_Code must be PO.
SB-POREC-20180	Header_Interface_ID value not found in rcv_headers_interface.
SB-POREC-20181	Validation_Flag must be Y or N.
SB-POREC-20182	Employee_ID cannot be null when Transaction_Type is DELIVER.
SB-POREC-20183	Valid Group_ID not found in rcv_headers_interface.
SB-POREC-20184	Invalid Ship_To_Location_Code or Ship_To_Location_ID when ASN_TYPE is ASN.
SB-POREC-20185	To_Organization_Code and To_Organization_ID, both cannot be null.
SB-POREC-20186	There must be a valid Destination_Type_Code when Auto_Transact_Code is DELIVER.
SB-POREC-20187	Invalid Expected_Receipt_Date.
SB-POREC-20188	Transaction_Status_Code must be ERROR or COMPLETED.
SB-POREC-20191	Invalid Item_Category.
SB-POREC-20192	Invalid Location_Code.
SB-POREC-20193	Invalid Vendor_Name.
SB-POREC-20194	Invalid Vendor_Num.

Requisitions

Table 26 Requisition Errors

Error Code	Error Message
SB-POREQ-20100	Interface_Source_Code is mandatory and the current value is NULL.
SB-POREQ-20101	Destination_Type_Code is mandatory and the current value is NULL.
SB-POREQ-20102	Authorization_Status is mandatory and the current value is NULL.
SB-POREQ-20103	Quantity is mandatory and the current value is NULL.
SB-POREQ-20104	Preparer_ID and Preparer_Name values are NULL. Either one must have a value.
SB-POREQ-20105	Charge_Account_ID and Charge_Account_Segment1 values are NULL. Either one must have a value.
SB-POREQ-20106	Destination_Organization_ID and Destination_Organization_Code values are NULL. Either one must have a value.
SB-POREQ-20107	Deliver_To_Location_ID and Deliver_To_Location_Code values are NULL. Either one must have a value.
SB-POREQ-20108	Deliver_To_Requestor_ID and Deliver_To_Requestor_Name values are NULL. Either one must have a value.

Table 26 Requisition Errors

Error Code	Error Message
SB-POREQ-20109	If Currency_Code value present Rate_Date and Rate_Type are mandatory.
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.
SB-POREQ-20111	If Destination_Type_code is INVENTORY then you must enter Destination_Subinventory and Item_ID.
SB-POREQ-20112	If Source_Type_Code is INVENTORY then you must enter Item_ID.
SB-POREQ-20113	If Destination_Type_Code is EXPENSE or SHOP FLOOR then you must Source_Type_Code.
SB-POREQ-20114	Requisition_Type value either INTERNAL or PURCHASE.
SB-POREQ-20115	Requisition Header ID is invalid,FK validation failed against po_requisition_headers_all table.
SB-POREQ-20116	Category ID is invalid,FK validation failed against mtl_categories_b table.
SB-POREQ-20117	Unit_Of_Measure is invalid,FK validation failed against mtl_units_of_measure_tl table.
SB-POREQ-20118	Line_Type_ID is invalid,FK validation failed against po_line_types_b table.
SB-POREQ-20119	UN_Number_ID is invalid,FK validation failed against po_un_numbers_b table.
SB-POREQ-20120	Hazard_Class_ID is invalid,FK validation failed against po_hazard_classes_b table.
SB-POREQ-20121	WIP_Entity_ID is invalid,FK validation failed against wip_entities table.
SB-POREQ-20122	WIP_Line_ID is invalid,FK validation failed against wip_lines table.
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.
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.
SB-POREQ-20125	WIP_Repetitive_Schedule_ID or Dest_Org_ID either one is invalid,FK validation failed against wip_repetitive_schedules table.
SB-POREQ-20126	Requisition_Line_ID is invalid,FK validation failed against po_requisition_lines_all table.
SB-POREQ-20127	Src_Org_ID is invalid,FK validation failed against org_organization_definitions table.
SB-POREQ-20128	Dest_Org_ID is invalid,FK validation failed against org_organization_definitions table.
SB-POREQ-20129	Source_Subinventory is invalid for a given Src_Org_ID,FK validation failed against MTL_Secondary_Inventories table.
SB-POREQ-20130	Destination_Subinventory is invalid for a given Dest_Org_ID,FK validation failed against MTL_Secondary_Inventories table.

Table 26 Requisition Errors

Error Code	Error Message
SB-POREQ-20131	Deliver_To_Reqstor_ID is invalid,FK validation failed against hr_employees table.
SB-POREQ-20132	Suggested_Buyer_ID is invalid,FK validation failed against po_agents table.
SB-POREQ-20133	Suggested_Vendor_ID is invalid,FK validation failed against po_vendors table.
SB-POREQ-20134	Suggested_Vendor_Site_ID is invalid,FK validation failed against po_vendor_sites_all table.
SB-POREQ-20135	Req_Distribution_ID is invalid,FK validation failed against Po_Req_Distributions_All table.
SB-POREQ-20136	Suggested_Vendor_Contact_ID is invalid,FK validation failed against Po_Vendor_Contacts table.
SB-POREQ-20137	Note1_ID is invalid,FK validation failed against Po_Notes table.
SB-POREQ-20138	Accrual_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.
SB-POREQ-20139	Variance_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.
SB-POREQ-20140	Budget_Account_ID is invalid,FK validation failed against Gl_Code_Combinations table.
SB-POREQ-20141	Ussgl_Transaction_Code is invalid,FK validation failed against gl_ussgl_transaction_codes table.
SB-POREQ-20142	Currency_Code is invalid,FK validation failed against fnd_currencies table.
SB-POREQ-20143	Rate is invalid,FK validation failed against gl_daily_conversion_rates_r10 table.
SB-POREQ-20144	Rate_Type is invalid,FK validation failed against gl_daily_conversion_types table.
SB-POREQ-20145	Approver_ID is invalid,FK validation failed against hr_employees table.
SB-POREQ-20146	Autosource_Doc_Header_ID is invalid,FK validation failed against po_autosource_documents_all table.
SB-POREQ-20147	Project_ID is invalid,FK validation failed against pa_projects_all table.
SB-POREQ-20148	Task_ID is invalid,FK validation failed against pa_tasks table.
SB-POREQ-20149	Note2_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20150	Note3_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20151	Note4_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20152	Note5_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20153	Note6_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20154	Note7_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20155	Note8_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20156	Note9_ID is invalid,FK validation failed against po_notes table.
SB-POREQ-20157	Note10_ID is invalid,FK validation failed against po_notes table.

Table 26 Requisition Errors

Error Code	Error Message
SB-POREQ-20158	Expenditure_Type is invalid,FK validation failed against pa_expenditure_types table.
SB-POREQ-20159	Document_Type_Code is invalid,FK validation failed against po_document_types_all_b table.
SB-POREQ-20160	Kanban_Card_ID is invalid,FK validation failed against mtl_kanban_cards table.
SB-POREQ-20161	Preparer_ID is invalid,FK validation failed against hr_employees table.
SB-POREQ-20162	Item_ID is invalid,FK validation failed against mtl_system_items_b table.
SB-POREQ-20163	Item_Revision is invalid,FK validation failed against mtl_item_revisions table.
SB-POREQ-20164	Charge_Account_ID is invalid,FK validation failed against gl_code_combinations table.
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.
SB-POREQ-20166	If Dest_Type_Code is EXPENSE then item must be purchasing enabled for purchasing and dest org.
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.
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.
SB-POREQ-20169	If Src_Type_Code is VENDOR then the item must be purchasing enabled for the purchasing and dest org id.
SB-POREQ-20170	Deliver_To_Location_ID is invalid,FK validation failed against Hr_Locations table.
SB-POREQ-20171	category_id is invalid for the given item.

A.2 Financial Budget-GL

A.2.1 Accounts Payable

Table 27 Accounts Payable Errors

Error Code	Error Message
SB-AP-INVOICE-20000	INVOICE_ID cannot be NULL.
SB-AP-INVOICE-20001	PO_NUMBER does not exist in PO_HEADERS.
SB-AP-INVOICE-20002	VENDOR_ID does not exist in PO_VENDORS.
SB-AP-INVOICE-20003	VENDOR_NUM does not exist in PO_VENDORS.
SB-AP-INVOICE-20004	VENDOR_NAME does not exist in PO_VENDORS.

Table 27 Accounts Payable Errors

Error Code	Error Message
SB-AP-INVOICE-20005	VENDOR_SITE_ID does not exist in PO_VENDOR_SITES.
SB-AP-INVOICE-20006	VENDOR_SITE_CODE does not exist in PO_VENDOR_SITES.
SB-AP-INVOICE-20007	INVOICE_CURRENCY_CODE does not exist in FND_CURRENCIES.
SB-AP-INVOICE-20008	EXCHANGE_RATE_TYPE does not exist in GL_DAILY_CONVERSION_TYPES.
SB-AP-INVOICE-20009	TERMS_ID does not exist in AP_TERMS.
SB-AP-INVOICE-20010	TERMS_NAME does not exist in AP_TERMS.
SB-AP-INVOICE-20011	AWT_GROUP_ID does not exist in AP_AWT_GROUPS.
SB-AP-INVOICE-20012	AWT_GROUP_NAME does not exist in AP_AWT_GROUPS.
SB-AP-INVOICE-20013	PREPAY_NUM does not exist in AP_INVOICES.
SB-AP-INVOICE-20020	INVOICE_TYPE_LOOKUP_CODE does not exist in AP_LOOKUP_CODES.
SB-AP-INVOICE-20021	PAYMENT_METHOD_LOOKUP_CODE does not exist in AP_LOOKUP_CODES.
SB-AP-INVOICE-20022	SOURCE does not exist in AP_LOOKUP_CODES.
SB-AP-INVOICE-20023	INVOICE_NUM cannot be NULL.
SB-AP-INVOICE-20024	SOURCE cannot be NULL.
SB-AP-INVOICE-20025	INVOICE_NUM and VENDOR_ID should be unique in AP_INVOICES_ALL.
SB-AP-INVOICE-20026	VENDOR_ID or VENDOR_NUM or VENDOR_NAME or PO_NUMBER should be entered.
SB-AP-INVOICE-20027	VENDOR_SITE_ID or VENDOR_SITE_CODE or PO_NUMBER should be entered.
SB-AP-INVOICE-20028	EXCHANGE_RATE required if INVOICE_CURRENCY_CODE is entered and EXCHANGE_RATE_TYPE is User.
SB-AP-INVOICE-20029	EXCHANGE_DATE required if INVOICE_CURRENCY_CODE is entered.
SB-AP-INVOICE-20030	WORKFLOW_FLAG Should be in Y,S,D or NULL.
SB-AP-INVOICE-20031	ACCTS_PAY_CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS.
SB-AP-INVOICE-20032	ORG_ID does not exists in HR_ORGANIZATION_UNITS_V.
SB-AP-INVLIN-20100	INVOICE_ID is a required column. Enter a valid value.
SB-AP-INVLIN-20101	LINE_NUMBER is a required column. Enter a valid value.
SB-AP-INVLIN-20102	LINE_TYPE_LOOKUP_CODE is a required column. Enter a valid value.
SB-AP-INVLIN-20103	AMOUNT is a required column. Enter a valid value.
SB-AP-INVLIN-20111	INVOICE_ID does NOT exist IN TABLE SB_AP_INVOICES_INTERFACE.
SB-AP-INVLIN-20112	Valid values for LINE_TYPE_LOOKUP_CODE column are ITEM,TAX,MISCELLANEOUS,FREIGHT.
SB-AP-INVLIN-20113	LINE_GROUP_NUMBER value must be a positive whole number.
SB-AP-INVLIN-20114	PO_NUMBER does NOT exist IN TABLE PO_HEADERS.
SB-AP-INVLIN-20115	PO_HEADER_ID does NOT exist IN TABLE PO_HEADERS.

Table 27 Accounts Payable Errors

Error Code	Error Message
SB-AP-INVLIN-20116	PO_LINE_ID does NOT exist IN TABLE PO_LINES.
SB-AP-INVLIN-20117	PO_LINE_NUMBER does NOT exist IN TABLE PO_LINES.
SB-AP-INVLIN-20118	PO_LINE_LOCATION_ID does NOT exist IN TABLE PO_LINE_LOCATIONS.
SB-AP-INVLIN-20119	PO_SHIPMENT_NUM does NOT exist IN TABLE PO_LINE_LOCATIONS.
SB-AP-INVLIN-20120	PO_DISTRIBUTION_NUM does NOT exist IN TABLE PO_DISTRIBUTIONS.
SB-AP-INVLIN-20121	PO_UNIT_OF_MEASURE does NOT exist IN TABLE PO_DISTRIBUTIONS
SB-AP-INVLIN-20122	INVENTORY_ITEM_ID does NOT exist IN TABLE MTL_SYSTEM_ITEMS.
SB-AP-INVLIN-20123	ITEM_DESCRIPTION does NOT exist IN TABLE PO_LINES..
SB-AP-INVLIN-20124	QUANTITY_INVOICED value must be a positive whole number.
SB-AP-INVLIN-20125	SHIP_TO_LOCATION_CODE does NOT exist IN TABLE PO_LINE_LOCATIONS.
SB-AP-INVLIN-20126	DISTRIBUTION_SET_ID does NOT exist IN TABLE AP_DISTRIBUTION_SETS.
SB-AP-INVLIN-20127	DISTRIBUTION_SET_NAME does NOT exist IN TABLE AP_DISTRIBUTION_SETS.
SB-AP-INVLIN-20128	DIST_CODE_CONCATENATED does NOT exist IN TABLE GL_CODE_COMBINATIONS.
SB-AP-INVLIN-20129	AWT_GROUP_ID does NOT exist IN TABLE AP_AWT_GROUPS.
SB-AP-INVLIN-20130	AWT_GROUP_NAME does NOT exist IN TABLE AP_AWT_GROUPS.
SB-AP-INVLIN-20131	PO_RELEASE_ID does NOT exist IN TABLE PO_RELEASES.
SB-AP-INVLIN-20132	RELEASE_NUM does NOT exist IN TABLE PO_RELEASES.
SB-AP-INVLIN-20133	RCV_TRANSACTION_ID does NOT exist IN TABLE RCV_TRANSACTIONS.
SB-AP-INVLIN-20134	ORG_ID does NOT exist IN VIEW HR_ORGANIZATION_UNITS_V.
SB-AP-INVLIN-20135	DIST_CODE_COMBINATION_ID does NOT exist IN TABLE GL_CODE_COMBINATIONS.
SB-AP-INVLIN-20136	ACCOUNTING_DATE,the date must be an open accounting period.
SB-AP-INVLIN-20138	Valid VALUES FOR PRORATE_ACROSS_FLAG are Y,N.
SB-AP-INVLIN-20139	INCOME_TAX_REGION does NOT exist IN AP_INCOME_TAX_TYPES TABLE AND should be active.
SB-AP-INVLIN-20140	PO_DISTRIBUTION_ID does NOT exist IN TABLE PO_DISTRIBUTIONS.
SB-AP-INVLIN-20141	'TYPE_1099 does NOT exist IN AP_INCOME_TAX_TYPES TABLE AND should be active.
SB-AP-INVLIN-20142	TAX_CODE does NOT exist IN AP_INCOME_TAX_TYPES TABLE AND should be active.

A.2.2 Accounts Receivable

Auto Invoice

Table 28 Auto Invoice Errors

Error Code	Error Message
SB-AR-DIST-10400	ACCOUNT_CLASS cannot be NULL.
SB-AR-DIST-10401	CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS table.
SB-AR-DIST-10402	ACCOUNT_CLASS should be either REV, FREIGHT, TAX, REC, CHARGES, UNBILL, UNEARN.
SB-AR-LINES-10600	CONVERSION_TYPE is a required column. Enter a valid value.
SB-AR-LINES-10601	BATCH_SOURCE_NAME is a required column. Enter a valid value.
SB-AR-LINES-10602	SET_OF_BOOKS_ID is a required column. Enter a valid value.
SB-AR-LINES-10603	LINE_TYPE is a required column. Enter a valid value.
SB-AR-LINES-10604	DESCRIPTION is a required column. Enter a valid value.
SB-AR-LINES-10605	CURRENCY_CODE is a required column. Enter a valid value.
SB-AR-LINES-10606	LAST_UPDATED_BY is a required column. Enter a valid value.
SB-AR-LINES-10607	LAST_UPDATE_DATE is a required column. Enter a valid value.
SB-AR-LINES-10608	CREATED_BY is a required column. Enter a valid value.
SB-AR-LINES-10609	CREATION_DATE is a required column. Enter a valid value.
SB-AR-LINES-10625	CONVERSION_TYPE does not exists in GL_DAILY_CONVERSION_TYPES table.
SB-AR-LINES-10626	SET_OF_BOOKS_ID does not exists in AR_SYSTEM_PARAMETERS table.
SB-AR-LINES-10627	CURRENCY_CODE does not exists in FND_CURRENCIES table.
SB-AR-LINES-10650	Valid values for LINE_TYPE column are LINE,TAX,FREIGHT and CHARGES.
SB-AR-LINES-10651	ACCOUNTING_RULE_ID value should match with RULE_ID value of RA_RULES Table.
SB-AR-LINES-10652	ACCOUNTING_RULE_NAME value should match with NAME value of RA_RULES Table.
SB-AR-LINES-10653	AGREEMENT_NAME value should match with NAME value of SO_AGREEMENTS Table.
SB-AR-LINES-10654	AGREEMENT_ID value should match with ID value of SO_AGREEMENTS Table.
SB-AR-LINES-10655	BATCH_SOURCE_NAME value should match with NAME value of RA_BATCH_SOURCES_ALL Table.
SB-AR-LINES-10656	CONS_BILLING_NUMBER must not already exist in AR_CONS_INV_ALL table.
SB-AR-LINES-10657	CONVERSION_RATE should be not null if CONVERSION_TYPE is USER and CONVERSION_RATE should be null if CONVERSION_TYPE is not USER.

Table 28 Auto Invoice Errors

Error Code	Error Message
SB-AR-LINES-10658	Valid values for CREDIT_METHOD_FOR_ACCT_RULE column are PRORATE,LIFO,UNIT.
SB-AR-LINES-10659	Valid values for CREDIT_METHOD_FOR_INSTALLMENTS column are PRORATE,LIFO,UNIT.
SB-AR-LINES-10660	CUST_TRX_TYPE_ID value should match with CUST_TRX_TYPE_ID value of RA_BATCH_SOURCES_ALL Table.
SB-AR-LINES-10661	CUST_TRX_TYPE_NAME value should match with NAME value of RA_BATCH_SOURCES_ALL Table.
SB-AR-LINES-10662	FOB_POINT value should match with LOOKUP_CODE value of AR_LOOKUPS Table where LOOKUP_TYPE is FOB.
SB-AR-LINES-10663	INVENTORY_ITEM_ID value should match with INVENTORY_ITEM_ID value of MTL_SYSTEM_ITEMS Table.
SB-AR-LINES-10664	MEMO_LINE_ID value should match with MEMO_LINE_ID value of AR_MEMO_LINES_ALL_B Table.
SB-AR-LINES-10665	MEMO_LINE_NAME value should match with NAME value of AR_MEMO_LINES_ALL_B Table.
SB-AR-LINES-10666	Enter the appropriate value in ORIG_SYSTEM_BILL_ADDRESS_ID.
SB-AR-LINES-10667	Enter the appropriate value in ORIG_SYSTEM_BILL_ADDRESS_REF.
SB-AR-LINES-10668	Enter the appropriate value in ORIG_SYSTEM_BILL_CONTACT_ID.
SB-AR-LINES-10669	Enter the appropriate value in ORIG_SYSTEM_BILL_CONTACT_REF.
SB-AR-LINES-10670	ORIG_SYSTEM_BILL_CUSTOMER_ID value should match with CUST_ACCOUNT_ID value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10671	ORIG_SYSTEM_BILL_CUSTOMER_REF value should match with ORIG_SYSTEM_REFERENCE value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10672	Enter the appropriate value in ORIG_SYSTEM_SHIP_ADDRESS_ID.
SB-AR-LINES-10673	Enter the appropriate value in ORIG_SYSTEM_SHIP_ADDRESS_REF.
SB-AR-LINES-10674	Enter the appropriate value in ORIG_SYSTEM_SHIP_CONTACT_ID.
SB-AR-LINES-10675	Enter the appropriate value in ORIG_SYSTEM_SHIP_CONTACT_REF.
SB-AR-LINES-10676	ORIG_SYSTEM_SHIP_CUSTOMER_ID value should match with CUST_ACCOUNT_ID value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10677	ORIG_SYSTEM_SHIP_CUSTOMER_REF value should match with ORIG_SYSTEM_REFERENCE value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10678	ORIG_SYSTEM_SOLD_CUSTOMER_ID value should match with CUST_ACCOUNT_ID value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10679	ORIG_SYSTEM_SOLD_CUSTOMER_REF value should match with ORIG_SYSTEM_REFERENCE value of HZ_CUST_ACCOUNTS Table.
SB-AR-LINES-10680	PRIMARY_SALESREP_ID value should match with SALESREP_ID value of RA_SALESREPS Table.
SB-AR-LINES-10681	PRIMARY_SALESREP_NUMBER value should match with SALESREP_NUMBER value of RA_SALESREPS Table.

Table 28 Auto Invoice Errors

Error Code	Error Message
SB-AR-LINES-10682	PRINTING_OPTION value should match with LOOKUP_CODE value of AR_LOOKUPS Table.
SB-AR-LINES-10683	REASON_CODE value should match with LOOKUP_CODE value of AR_LOOKUPS Table.
SB-AR-LINES-10684	REASON_CODE_MEANING value should match with MEANING value of AR_LOOKUPS Table.
SB-AR-LINES-10685	RECEIPT_METHOD_ID value should match with RECEIPT_METHOD_ID value of AR_RECEIPT_METHODS Table.
SB-AR-LINES-10686	RECEIPT_METHOD_NAME value should match with NAME value of AR_RECEIPT_METHODS Table.
SB-AR-LINES-10687	Enter the appropriate value in REFERENCE_LINE_CONTEXT.
SB-AR-LINES-10688	REFERENCE_LINE_ID value should match with CUSTOMER_TRX_LINE_ID value of RA_CUSTOMER_TRX_LINES Table.
SB-AR-LINES-10689	Enter the appropriate value in RELATED_BATCH_SOURCE_NAME.
SB-AR-LINES-10690	RELATED_CUSTOMER_TRX_ID value should match with CUSTOMER_TRX_ID value of RA_CUSTOMER_TRX_ALL Table.
SB-AR-LINES-10692	Enter the appropriate value in RELATED_TRX_NUMBER.
SB-AR-LINES-10694	TAX_CODE value should match with TAX_CODE value of AR_VAT_TAX Table.
SB-AR-LINES-10695	Enter the appropriate value in TAX_EXEMPT_FLAG.
SB-AR-LINES-10696	TAX_EXEMPT_REASON_CODE value should match with LOOKUP_CODE value of AR_LOOKUPS Table.
SB-AR-LINES-10697	TAX_EXEMPT_REASON_CODE_MEANING value should match with MEANING value of AR_LOOKUPS Table.
SB-AR-LINES-10698	TERM_ID value should match with TERM_ID value of RA_TERMS Table.
SB-AR-LINES-10699	TERM_NAME value should match with NAME value of RA_TERMS Table.
SB-AR-LINES-10700	TERRITORY_ID value should match with TERRITORY_ID value of RA_TERRITORIES Table.
SB-AR-LINES-10701	TRX_NUMBER value should not match with TRX_NUMBER value of RA_CUSTOMER_TRX_ALL Table.
SB-AR-LINES-10702	UOM_CODE value should match with UOM_CODE value of MTL_UNITS_OF_MEASURE Table.
SB-AR-LINES-10703	UOM_NAME value should match with UNIT_OF_MEASURE value of MTL_UNITS_OF_MEASURE Table.
SB-AR-LINES-10705	AMOUNT value should be NULL when LINE_TYPE = CHARGES.
SB-AR-LINES-10706	AMOUNT_INCLUDES_TAX_FLAG should be either Y or N.
SB-AR-LINES-10707	GL_DATE must be OPEN or FUTURE ENTRY accounting period in GL_PERIOD_STATUSES.
SB-AR-LINES-10708	INVOICING_RULE_ID value should exist in RULE_ID column of RA_RULES Table.

Table 28 Auto Invoice Errors

Error Code	Error Message
SB-AR-LINES-10709	CUSTOMER_BANK_ACCOUNT_ID value should exist in BANK_ACCOUNT_ID column of AP_BANK_ACCOUNTS_ALL Table.
SB-AR-LINES-10710	CUSTOMER_BANK_ACCOUNT_NAME value should exist in BANK_ACCOUNT_NAME column of AP_BANK_ACCOUNTS_ALL Table.
SB-AR-SALES-10500	INTERFACE_SALESCREDIT_ID cannot be NULL.
SB-AR-SALES-10530	SALES_CREDIT_AMOUNT_SPLIT AND SALES_CREDIT_PERCENT_SPLIT cannot be Null/Not Null.
SB-AR-SALES-10531	SALES_CREDIT_AMOUNT_SPLIT cannot be Null and Should be between 0 and 100.
SB-AR-SALES-10532	SALES_CREDIT_TYPE_ID cannot be Null and does not exist in SO_SALES_CREDIT_TYPES Table.
SB-AR-SALES-10533	SALES_CREDIT_TYPE_NAME cannot be Null and SALES_CREDIT_TYPE_NAME does not exist in SO_SALES_CREDIT_TYPES Table.
SB-AR-SALES-10534	SALESREP_ID cannot be Null and SALESREP_ID does not exist in RA_SALESREPS.
SB-AR-SALES-10535	SALESREP_NUMBER does not exist in RA_SALESREPS.

Auto Lock Box

Table 29 Auto Lock Box Errors

Error Code	Error Message
SB-AR-PAYMENT-10800	RECORD_TYPE is a required column. Enter a valid value.
SB-AR-PAYMENT-10801	ORIGINATION is a required column for record_type as RECEIPT. Enter a valid value.
SB-AR-PAYMENT-10802	BATCH_NAME is a required column for record_type as RECEIPT. Enter a valid value.
SB-AR-PAYMENT-10803	GL_DATE is a required column for record_type as RECEIPT. Enter a valid value.
SB-AR-PAYMENT-10804	REMITTANCE_AMOUNT is a required column for record_type as RECEIPT. Enter a valid value.
SB-AR-PAYMENT-10805	RECEIPT_METHOD_ID is a required column for record_type as RECEIPT. Enter a valid value.
SB-AR-PAYMENT-10815	TRANSMISSION_ID does not exists in AR_TRANSMISSIONS_ALL table.
SB-AR-PAYMENT-10816	RECEIPT_METHOD_ID does not exists in AR_RECEIPT_METHODS table.
SB-AR-PAYMENT-10817	CUSTOMER_SITE_USE_ID does not exists in HZ_CUST_SITE_USES_ALL table.
SB-AR-PAYMENT-10818	CUSTOMER_BANK_ACCOUNT_ID does not exists in AP_BANK_ACCOUNTS_ALL table.
SB-AR-PAYMENT-10819	CUSTOMER_ID does not exists in HZ_CUST_ACCOUNTS table.

Table 29 Auto Lock Box Errors

Error Code	Error Message
SB-AR-PAYMENT-10850	RECORD_TYPE value should match with RECORD_IDENTIFIER value of AR_TRANS_RECORD_FORMATS Table.
SB-AR-PAYMENT-10851	TRANSMISSION_ID value should match with TRANSMISSION_ID value of AR_TRANSMISSIONS_ALL Table.
SB-AR-PAYMENT-10852	CUSTOMER_BANK_ACCOUNT_ID value should match with EXTERNAL_BANK_ACCOUNT_ID value of AP_BANK_ACCOUNT_USES_ALL Table.
SB-AR-PAYMENT-10853	Valid value for the STATUS field is either NULL or AR_PLB_NEW_RECORD.
SB-AR-PAYMENT-10854	ORIGINATION value should match with BANK_ORIGINATION_NUMBER value of AR_LOCKBOXES_ALL Table.
SB-AR-PAYMENT-10855	EXCHANGE_RATE_TYPE value should match with LOOKUP_CODE value of AR_LOOKUPS Table.
SB-AR-PAYMENT-10856	CUSTOMER_BANK_NAME value should match with the BANK_NAME value of AP_BANK_BRANCHES table.
SB-AR-PAYMENT-10857	REMITTANCE_BANK_NAME value should match with the BANK_NAME value of AP_BANK_BRANCHES table.
SB-AR-PAYMENT-10858	CUSTOMER_BANK_BRANCH_NAME value should match with the BANK_BRANCH_NAME value of AP_BANK_BRANCHES table.
SB-AR-PAYMENT-10859	CURRENCY_CODE value should match with the CURRENCY_CODE value of FND_CURRENCIES table.
SB-AR-PAYMENT-10860	TRANSIT_ROUTING_NUMBER value should match with BANK_NUM value of AP_BANK_BRANCHES Table.
SB-AR-PAYMENT-10861	ACCOUNT value should match with BANK_ACCOUNT_NUM value of AP_BANK_ACCOUNTS_ALL Table.
SB-AR-PAYMENT-10862	CUSTOMER_BANK_ACCOUNT_ID value should match with BANK_ACCOUNT_ID value of AP_BANK_ACCOUNTS_ALL.
SB-AR-PAYMENT-10863	LOCKBOX_NUMBER value should match with LOCKBOX_NUMBER value of AR_LOCKBOXES_ALL table.
SB-AR-PAYMENT-10864	BATCH_NAME value should match with NAME value of AR_BATCHES_ALL table.

Customer Interface

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-PHONES-10700	CREATED_BY cannot be NULL.
SB-AR-PHONES-10701	CREATION_DATE cannot be NULL.
SB-AR-PHONES-10702	INSERT_UPDATE_FLAG cannot be NULL.
SB-AR-PHONES-10703	LAST_UPDATED_BY cannot be NULL.
SB-AR-PHONES-10704	LAST_UPDATE_DATE cannot be NULL.

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-PHONES-10705	ORIG_SYSTEM_CONTACT_REF cannot be NULL.
SB-AR-PHONES-10706	ORIG_SYSTEM_TELEPHONE_REF cannot be NULL.
SB-AR-PHONES-10707	ORIG_SYSTEM_CUSTOMER_REF cannot be NULL.
SB-AR-PHONES-10708	CONTACT_JOB_TITLE does not exist in AR_LOOKUPS table.
SB-AR-PHONES-10709	CONTACT_TITLE does not exist in AR_LOOKUPS table.
SB-AR-PHONES-10710	ORIG_SYSTEM_CUSTOMER_REF does not exist in HZ_CUST_ACCOUNTS table.
SB-AR-PHONES-10711	ORIG_SYSTEM_ADDRESS_REF does not exist in HZ_CUST_ACCT_SITES_ALL table.
SB-AR-PHONES-10712	ORIG_SYSTEM_CONTACT_REF does not exist in HZ_ORG_CONTACTS table.
SB-AR-PHONES-10713	ORIG_SYSTEM_TELEPHONE_REF does not exist in HZ_CONTACT_POINTS table.
SB-AR-PHONES-10714	TELEPHONE_TYPE does not exist in AR_LOOKUPS table.
SB-AR-PHONES-10715	INSERT_UPDATE_FLAG should be either I or U.
SB-AR-PHONES-10716	TELEPHONE cannot be null if ORIG_SYSTEM_TELEPHONE_REF entered.
SB-AR-PHONES-10717	CONTACT_LAST_NAME cannot be null if ORIG_SYSTEM_CONTACT_REF entered.
SB-AR-PHONES-10718	ORIG_SYSTEM_TELEPHONE_REF cannot be null if TELEPHONE entered.
SB-AR-PHONES-10719	TELEPHONE_TYPE cannot be null if ORIG_SYSTEM_TELEPHONE_REF entered.
SB-AR-PAY-10300	ORIG_SYSTEM_CUSTOMER_REF is a required column. Enter a valid value.
SB-AR-PAY-10301	PAYMENT_METHOD_NAME is a required column. Enter a valid value.
SB-AR-PAY-10302	PRIMARY_FLAG is a required column. Enter a valid value.
SB-AR-PAY-10303	START_DATE is a required column. Enter a valid value.
SB-AR-PAY-10304	LAST_UPDATED_BY is a required column. Enter a valid value.
SB-AR-PAY-10305	LAST_UPDATE_DATE is a required column. Enter a valid value.
SB-AR-PAY-10306	CREATION_DATE is a required column. Enter a valid value.
SB-AR-PAY-10307	CREATED_BY is a required column. Enter a valid value.
SB-AR-PAY-10315	Valid values for PRIMARY_FLAG column are Y,N.
SB-AR-PAY-10316	Valid values for VALIDATED_FLAG column are Y,N.
SB-AR-PAY-10317	PAYMENT_METHOD_NAME does not exist in table AR_RECEIPT_METHODS.
SB-AR-PAY-10318	ORIG_SYSTEM_CUSTOMER_REF does not exist in table RA_CUSTOMERS and SB_RA_CUSTOMERS_INTERFACE.
SB-AR-PAY-10319	ORIG_SYSTEM_ADDRESS_REF does not exist in table RA_ADDRESSES and SB_RA_CUSTOMERS_INTERFACE.
SB-AR-PAY-10320	ORG_ID does not exist IN VIEW HR_ORGANIZATION_UNITS_V.

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-BANKS-10200	ORIG_SYSTEM_CUSTOMER_REF cannot be NULL.
SB-AR-BANKS-10201	BANK_ACCOUNT_NAME cannot be NULL.
SB-AR-BANKS-10202	PRIMARY_FLAG cannot be NULL.
SB-AR-BANKS-10203	START_DATE cannot be NULL.
SB-AR-BANKS-10204	LAST_UPDATE_DATE cannot be NULL.
SB-AR-BANKS-10205	LAST_UPDATED_BY cannot be NULL.
SB-AR-BANKS-10206	CREATION_DATE cannot be NULL.
SB-AR-BANKS-10207	CREATED_BY cannot be NULL.
SB-AR-BANKS-10208	BANK_ACCOUNT_CURRENCY_CODE cannot be NULL.
SB-AR-BANKS-10209	BANK_ACCOUNT_NUM cannot be NULL.
SB-AR-BANKS-10210	BANK_BRANCH_NAME cannot be NULL.
SB-AR-BANKS-10211	ORIG_SYSTEM_ADDRESS_REF cannot be NULL if the bank details are entered.Also it should be equal to BILL_TO address.
SB-AR-BANKS-10212	BANK_ACCOUNT_CURRENCY_CODE does not exist in FND_CURRENCIES table.
SB-AR-BANKS-10213	BANK_ACCOUNT_NAME does not exist in AP_BANK_ACCOUNTS table.
SB-AR-BANKS-10214	BANK_NUMBER does not exist in AP_BANK_BRANCHES table.
SB-AR-BANKS-10215	BANK_NUM should be unique in AP_BANK_BRANCHES table.
SB-AR-BANKS-10216	BANK_BRANCH_COUNTRY does not exist in FND_TERRITORIES table.
SB-AR-BANKS-10217	END_DATE should be greater than START_DATE.
SB-AR-BANKS-10218	ORIG_SYSTEM_CUSTOMER_REF does not exist in HZ_CUST_ACCOUNTS table.
SB-AR-BANKS-10219	PRIMARY_FLAG should be either Y or N.
SB-AR-BANKS-10220	BANK_NAME,BANK_BRANCH_NAME should be unique in AP_BANK_BRANCHES table.
SB-AR-BANKS-10221	BANK_NAME cannot be NULL.
SB-AR-BANKS-10222	ORIG_SYSTEM_ADDRESS_REF does not exist in HZ_CUST_ACCT_SITES_ALL or SB_RA_CUSTOMERS_INTERFACE table.The address specified must have an active BILL_TO site defined.
SB-AR-CUST-10000	ORIG_SYSTEM_CUSTOMER_REF cannot be NULL.
SB-AR-CUST-10001	SITE_USE_CODE cannot be NULL.
SB-AR-CUST-10002	ORIG_SYSTEM_ADDRESS_REF cannot be NULL.
SB-AR-CUST-10003	INSERT_UPDATE_FLAG cannot be NULL.
SB-AR-CUST-10004	CUSTOMER_NAME cannot be NULL.
SB-AR-CUST-10005	CUSTOMER_NUMBER cannot be NULL.
SB-AR-CUST-10006	CUSTOMER_STATUS cannot be NULL.
SB-AR-CUST-10007	LAST_UPDATED_BY cannot be NULL.

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-CUST-10008	LAST_UPDATE_DATE cannot be NULL.
SB-AR-CUST-10009	CREATED_BY cannot be NULL.
SB-AR-CUST-10010	CREATION_DATE cannot be NULL.
SB-AR-CUST-10011	LOCATION cannot be NULL.
SB-AR-CUST-10025	SITE_USE_CODE does not exists in AR_LOOKUPS table.
SB-AR-CUST-10026	CUSTOMER_TYPE does not exists in AR_LOOKUPS table.
SB-AR-CUST-10027	ORIG_SYSTEM_PARENT_REF does not exists in RA_CUSTOMERS table.
SB-AR-CUST-10028	CUSTOMER_CATEGORY_CODE does not exists in AR_LOOKUPS table.
SB-AR-CUST-10029	CUSTOMER_CLASS does not exists in AR_LOOKUPS table.
SB-AR-CUST-10030	DEMAND_CLASS_CODE does not exists in FND_COMMON_LOOKUPS table.
SB-AR-CUST-10031	CUST_SHIP_VIA_CODE does not exists in ORG_FREIGHT table.
SB-AR-CUST-10032	LANGUAGE does not exists in FND_LANGUAGES table.
SB-AR-CUST-10033	CUST_TAX_CODE value should match with TAX_CODE value of AR_VAT_TAX Table.
SB-AR-CUST-10034	SITE_USE_TAX_CODE value should match with TAX_CODE value of AR_VAT_TAX Table.
SB-AR-CUST-10050	ADDRESS cannot be NULL.
SB-AR-CUST-10051	INSERT_UPDATE_FLAG should be either I - Insert or U - Update.
SB-AR-CUST-10052	CUSTOMER_STATUS should be either A - Active or I - Inactive.
SB-AR-CUST-10053	CUSTOMER_TYPE should be either I - Internal or R - External.
SB-AR-CUST-10054	PRIMARY_SITE_USE_FLAG should be either Y - Yes or N - No or NULL.
SB-AR-CUST-10055	BILL_TO_ORIG_ADDRESS_REFP cannot be NULL.
SB-AR-CUST-10056	ORIG_SYSTEM_ADDRESS_REF does not exist in RA_ADDRESSES table.
SB-AR-CUST-10057	ORIG_SYSTEM_CUSTOMER_REF Value should be validated against the RA_CUSTOMERS Table based on Insert_Update_Flag Value.
SB-AR-CUST-10058	CITY,PROVINCE,STATE,COUNTY,POSTAL CODE, and COUNTRY fields should not be null and have valid data when ADDRESS1 is Not Null.
SB-AR-CUST-10059	PRIMARY SITE USE FLAG Should not be null when ADDRESS1 is not null.
SB-AR-PROFILE-10100	INSERT_UPDATE_FLAG is a required column. Enter a valid value.
SB-AR-PROFILE-10101	ORIG_SYSTEM_CUSTOMER_REF is a required column. Enter a valid value.
SB-AR-PROFILE-10102	CREDIT_HOLD is a required column. Enter a valid value.
SB-AR-PROFILE-10103	LAST_UPDATED_BY is a required column. Enter a valid value.
SB-AR-PROFILE-10104	LAST_UPDATE_DATE is a required column. Enter a valid value.
SB-AR-PROFILE-10105	CREATION_DATE is a required column. Enter a valid value.
SB-AR-PROFILE-10106	CREATED_BY is a required column. Enter a valid value.
SB-AR-PROFILE-10108	Valid values for CREDIT_BALANCE_STATEMENTS column are Y,N.

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-PROFILE-10109	CREDIT_BALANCE_STATEMENTS must be N when STATEMENTS = N.Mandatory when STATEMENTS =Y. Must be null when STATEMENTS is null.
SB-AR-PROFILE-10111	Valid VALUES FOR CREDIT_CHECKING COLUMN are Y,N.
SB-AR-PROFILE-10112	Valid VALUES FOR CREDIT_HOLD COLUMN are Y,N.
SB-AR-PROFILE-10113	Valid VALUES FOR DISCOUNT_TERMS COLUMN are Y,N.
SB-AR-PROFILE-10114	Valid VALUES FOR DUNNING_LETTERS COLUMN are Y,N.
SB-AR-PROFILE-10115	Valid VALUES FOR INTEREST_CHARGES COLUMN are Y,N.
SB-AR-PROFILE-10116	Valid VALUES FOR STATEMENTS COLUMN are Y,N.
SB-AR-PROFILE-10117	Valid VALUES FOR OVERRIDE_TERMS COLUMN are Y,N.
SB-AR-PROFILE-10118	Valid VALUES FOR CHARGE_ON_FINANCE_CHARGE_FLAG COLUMN are Y,N.Required IF INTEREST_CHARGES IS SET TO Y AND no PROFILE class IS specified.
SB-AR-PROFILE-10120	CHARGE_ON_FINANCE_CHARGE_FLAG not required IF INTEREST_CHARGES IS SET TO N OR NULL.
SB-AR-PROFILE-10121	Valid VALUES FOR AUTO_REC_INCL_DISPUTED_FLAG COLUMN are Y,N.
SB-AR-PROFILE-10122	Valid VALUES FOR CONS_INV_FLAG COLUMN are Y,N.
SB-AR-PROFILE-10123	Valid VALUES FOR CONS_INV_TYPE COLUMN are SUMMARY,DETAIL,WHEN CON_INV_FLAG IS Y.
SB-AR-PROFILE-10124	CURRENCY_CODE required IF ANY one OF the following COLUMNS have VALUES.
SB-AR-PROFILE-10125	CURRENCY_CODE does not exist IN TABLE FND_CURRENCIES.
SB-AR-PROFILE-10126	CUSTOMER_PROFILE_CLASS_NAME does not exist IN TABLE HZ_CUST_PROFILE_CLASSES.
SB-AR-PROFILE-10127	IF COLUMN CUSTOMER_PROFILE_CLASS_NAME IS NULL,THEN enter the following COLUMNS COLLECTOR_NAME, CREDIT_BALANCE_STATEMENTS, CREDIT_CHECKING,' 'AUTO_REC_INCL_DISPUTED_FLAG, DISCOUNT_TERMS, DUNNING_LETTER, DUNNING_LETTER_SET_NAME, INTEREST_CHARGES, INTEREST_PERIOD_DAYS, CHARGE_ON_FINANCE_CHARGE_FLAG,' 'STATEMENTS, STATEMENT_CYCLE_NAME, TOLERANCE, TAX_PRINTING_OPTION, OVERRIDE_TERMS, GROUPING_RULE_NAME, STATEMENTS, CHARGE_ON_FINANCE_CHARGE_FLAG, AUTOCASH_HIERARCHY_NAME.
SB-AR-PROFILE-10128	ACCOUNT_STATUS does not exist IN TABLE AR_LOOKUPS.
SB-AR-PROFILE-10129	AUTOCASH_HIERARCHY_NAME does not exist IN TABLE AR_AUTOCASH_HIERARCHIES.
SB-AR-PROFILE-10130	COLLECTOR_NAME does not exist IN TABLE AR_COLLECTORS.
SB-AR-PROFILE-10131	CREDIT_RATING does not exist IN TABLE AR_LOOKUPS.
SB-AR-PROFILE-10132	DISCOUNT_GRACE_DAYS Must be greater than OR equal TO 0 AND, must be NULL WHEN DISCOUNT_TERMS IS NULL OR No.

Table 30 Customer Interface Errors

Error Code	Error Message
SB-AR-PROFILE-10133	DUNNING_LETTER_SET_NAME does not exist IN TABLE AR_DUNNING_LETTER_SETS.
SB-AR-PROFILE-10134	DUNNING_LETTER_SET_NAME mandatory WHEN DUNNING_LETTERS IS Yes. Must be NULL WHEN DUNNING_LETTERS IS No OR NULL.
SB-AR-PROFILE-10135	GROUPING_RULE_NAME does not exist IN TABLE RA_GROUPING_RULES.
SB-AR-PROFILE-10136	INTEREST_PERIOD_DAYS must be greater than OR equal TO zero, mandatory when INTEREST_CHARGES value is Y. Must be NULL when INTEREST_CHARGES value is N OR NULL.
SB-AR-PROFILE-10137	ORIG_SYSTEM_CUSTOMER_REF does not exist IN TABLE RA_CUSTOMERS AND SB_RA_CUSTOMERS_INTERFACE.
SB-AR-PROFILE-10138	ORIG_SYSTEM_ADDRESS_REF does not exist IN TABLE RA_ADDRESSES AND SB_RA_CUSTOMERS_INTERFACE.
SB-AR-PROFILE-10139	TRX_CREDIT_LIMIT AND OVERALL_CREDIT_LIMIT must both be filled IN, OR both be NULL.
SB-AR-PROFILE-10140	RISK_CODE does not exist IN TABLE AR_LOOKUPS.
SB-AR-PROFILE-10141	STANDARD_TERM_NAME does not exist IN TABLE RA_TERMS.
SB-AR-PROFILE-10142	STATEMENT_CYCLE_NAME does not exist IN TABLE AR_STATEMENT_CYCLES.
SB-AR-PROFILE-10143	STATEMENT_CYCLE_NAME must be NULL WHEN STATEMENTS IS No OR NULL. Mandatory WHEN STATEMENTS IS Yes.
SB-AR-PROFILE-10144	TAX_PRINTING_OPTION does not exist IN TABLE AR_LOOKUPS.
SB-AR-PROFILE-10145	CLEARING_DAYS must be greater than OR equal TO zero.
SB-AR-PROFILE-10146	PAYMENT_GRACE_DAYS must be greater than OR equal TO zero.
SB-AR-PROFILE-10147	TOLERANCE must be BETWEEN -100 AND 100.
SB-AR-PROFILE-10148	ORG_ID does not exist IN VIEW HR_ORGANIZATION_UNITS_V.

A.2.3 Cash Management

Table 31 Cash Management Errors

Error Code	Error Message
SB-CE-STHDR-30100	STATEMENT_NUMBER is a required column. Enter a valid value.
SB-CE-STHDR-30101	BANK_ACCOUNT_NUM is a required column. Enter a valid value.
SB-CE-STHDR-30102	STATEMENT_DATE is a required column. Enter a valid value.
SB-CE-STHDR-30103	CURRENCY_CODE is a required column. Enter a valid value.
SB-CE-STHDR-30107	CURRENCY_CODE should be the same as the currency code defined for the bank account in AP_Banks_Accounts_All table.
SB-CE-STHDR-30108	CURRENCY_CODE does not exist IN TABLE FND_CURRENCIES.

Table 31 Cash Management Errors

Error Code	Error Message
SB-CE-STHDR-30109	CONTROL_END_BALANCE should be equal to (CONTROL_BEGIN_BALANCE - CONTROL_TOTAL_DR + CONTROL_TOTAL_CR).
SB-CE-STHDR-30110	Valid values for RECORD_STATUS_FLAG column are E,N.
SB-CE-STHDR-30111	BANK_ACCOUNT_NUM does not exist IN TABLE AP_Banks_Accounts_All.
SB-CE-STHDR-30112	BANK_NAME does not exist IN TABLE AP_Bank_Branches.
SB-CE-STHDR-30113	BANK_BRANCH_NAME does not exist IN TABLE AP_Bank_Branches.
SB-CE-STHDR-30114	CHECK_DIGITS does not match with check_digits of the bank account number entered IN TABLE AP_Banks_Accounts_All.
SB-CE-STHDR-30115	ORG_ID does not exist IN view HR_ORGANIZATION_UNITS_V.
SB-CE-STATE-30200	Bank_Account_Num cannot be NULL.
SB-CE-STATE-30201	Statement_Number cannot be NULL.
SB-CE-STATE-30202	Line_number cannot be NULL.
SB-CE-STATE-30203	TRX_DATE cannot be NULL.
SB-CE-STATE-30204	Amount cannot be NULL.
SB-CE-STATE-30205	TRX_CODE cannot be NULL.
SB-CE-STATE-30210	Bank_Account_Num does not exists in SB_CE_STATEMENT_HEAD_INTERFACE.
SB-CE-STATE-30211	Statement_Number does not exists in SB_CE_STATEMENT_HEAD_INTERFACE.
SB-CE-STATE-30212	Currency_code does not exist in FND_CURRENCIES.
SB-CE-STATE-30220	TRX_code does not exist in CE_TRANSACTION_CODES.
SB-CE-STATE-30221	Exchange_rate does not exist in GL_DAILY_RATES.
SB-CE-STATE-30222	Exchange_rate_date does not exist in GL_DAILY_RATES.
SB-CE-STATE-30223	Exchange_rate_type does not exist in GL_DAILY_RATES.
SB-CE-STATE-30224	Trx_date cannot be greater than sysdate.
SB-CE-STATE-30225	Bank_trx_number does not exist in AP_CHECKS_V.

A.2.4 Fixed Assets

Table 32 Fixed Assets Errors

Error Code	Error Message
SB-FA-CATE-50200	CATEGORY_ID cannot be NULL.
SB-FA-CATE-50201	SUMMARY_FLAG cannot be NULL.
SB-FA-CATE-50202	ENABLED_FLAG cannot be NULL.
SB-FA-CATE-50203	OWNED_LEASED cannot be NULL.
SB-FA-CATE-50204	LAST_UPDATE_DATE cannot be NULL.

Table 32 Fixed Assets Errors

Error Code	Error Message
SB-FA-CATE-50205	LAST_UPDATED_BY cannot be NULL.
SB-FA-CATE-50206	CATEGORY_TYPE cannot be NULL.
SB-FA-CATE-50207	CAPITALIZE_FLAG cannot be NULL.
SB-FA-CATE-50208	CAPITALIZE_FLAG should be either YES or NO.
SB-FA-CATE-50209	CATEGORY_TYPE should be in LEASE,LEASEHOLD,IMPROVEMENT,NON-LEASE.
SB-FA-CATE-50210	ENABLED_FLAG should be either Y or N.
SB-FA-CATE-50211	OWNED_LEASED should be either OWNED or LEASED.
SB-FA-CATE-50212	PROPERTY_1245_1250_CODE should be either 1245 or 1250.
SB-FA-CATE-50213	PROPERTY_TYPE_CODE should be either PERSONAL or REAL.
SB-FA-CATE-50214	SUMMARY_FLAG should be either Y or N.
SB-FA-LOC-50100	LOCATION_ID is a required column. Enter a valid value.
SB-FA-LOC-50101	SUMMARY_FLAG is a required column. Enter a valid value.
SB-FA-LOC-50102	ENABLED_FLAG is a required column. Enter a valid value.
SB-FA-LOC-50104	LAST_UPDATED_BY is a required column. Enter a valid value.
SB-FA-LOC-50105	LAST_UPDATE_DATE is a required column. Enter a valid value.
SB-FA-LOC-50110	Valid values for ENABLED_FLAG column are Y,N.
SB-FA-LOC-50111	Valid values for SUMMARY_FLAG column are Y,N.
SB-FA-MASS-50000	ACCOUNTING_DATE cannot be NULL.
SB-FA-MASS-50001	ASSET_CATEGORY_ID cannot be NULL.
SB-FA-MASS-50002	ASSET_TYPE cannot be NULL.
SB-FA-MASS-50003	BOOK_TYPE_CODE cannot be NULL.
SB-FA-MASS-50004	CREATED_BY cannot be NULL.
SB-FA-MASS-50005	CREATED_DATE cannot be NULL.
SB-FA-MASS-50006	DATE_PLACED_IN_SERVICE cannot be NULL.
SB-FA-MASS-50007	DEPRECIATE_FLAG cannot be NULL.
SB-FA-MASS-50008	DESCRIPTION cannot be NULL.
SB-FA-MASS-50009	EXPENSE_CODE_COMBINATION_ID cannot be NULL.
SB-FA-MASS-50010	FIXED_ASSETS_COST cannot be NULL.
SB-FA-MASS-50011	FIXED_ASSETS_UNITS cannot be NULL.
SB-FA-MASS-50012	INVENTORIAL cannot be NULL.
SB-FA-MASS-50013	LAST_UPDATE_DATE cannot be NULL.
SB-FA-MASS-50014	LAST_UPDATE_LOGIN cannot be NULL.
SB-FA-MASS-50015	LAST_UPDATED_BY cannot be NULL.
SB-FA-MASS-50016	LOCATIOD_ID cannot be NULL.
SB-FA-MASS-50017	MASS_ADDITION_ID cannot be NULL.

Table 32 Fixed Assets Errors

Error Code	Error Message
SB-FA-MASS-50018	PAYABLES_CODE_COMBINATION_ID cannot be NULL.
SB-FA-MASS-50019	PAYABLES_COST cannot be NULL.
SB-FA-MASS-50020	PAYABLES_UNITS cannot be NULL.
SB-FA-MASS-50021	POSTING_STATUS cannot be NULL.
SB-FA-MASS-50022	QUEUE_NAME cannot be NULL.
SB-FA-MASS-50023	AP_DISTRIBUTION_LINE_NUMBER does not exists in AP_INVOICE_DISTRIBUTIONS_ALL table.
SB-FA-MASS-50024	ASSIGNED_TO does not exists in FA_EMPLOYEES table.
SB-FA-MASS-50025	INVOICE_ID does not exists in AP_INVOICES_ALL table.
SB-FA-MASS-50026	ADD_TO_ASSET_ID does not exists in FA_ADDITIONS_B table.
SB-FA-MASS-50027	ASSET_NUMBER does not exists in FA_ADDITIONS_B.
SB-FA-MASS-50028	PARENT_ASSET_ID does not exists in FA_ADDITIONS_B.
SB-FA-MASS-50029	ASSET_KEY_CCID does not exists in FA_ASSET_KEYWORDS.
SB-FA-MASS-50030	BOOK_TYPE_CODE does not exists in FA_BOOK_CONTROLS.
SB-FA-MASS-50031	ASSET_CATEGORY_ID does not exists in FA_CATEGORIES_B.
SB-FA-MASS-50032	LOCATION_ID does not exists in FA_LOCATIONS.
SB-FA-MASS-50033	PARENT_MASS_ADDITION_ID does not exists in FA_MASS_ADDITIONS.
SB-FA-MASS-50034	PAYABLES_CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS.
SB-FA-MASS-50035	EXPENSE_CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS.
SB-FA-MASS-50036	PROJECT_ID does not exists in PA_PROJECTS_ALL.
SB-FA-MASS-50037	PROJECT_ASSET_LINE_ID does not exists in PA_PROJECT_ASSET_LINES_ALL.
SB-FA-MASS-50038	TASK_ID does not exists in PA_TASKS.
SB-FA-MASS-50039	PO_VENDOR_ID does not exists in PO_VENDORS.
SB-FA-MASS-50040	ASSET_TYPE should be either CAPITALIZED, CIP, EXPENSED.
SB-FA-MASS-50041	DEPRECIATE_FLAG should be either YES or NO.
SB-FA-MASS-50042	PAYABLES_UNITS should have same value as that of FIXED_ASSETS_UNITS column.
SB-FA-MASS-50043	POSTING_STATUS should be either NEW, ON HOLD, POST.
SB-FA-MASS-50044	QUEUE_NAME should have same value as that of POSTING_STATUS.
SB-FA-MASS-50045	INVENTORIAL should be either YES or NO.
SB-FA-MASS-50046	NEW_MASTER_FLAG should be either YES or NO.
SB-FA-MASS-50047	SHORT_FISCAL_YEAR_FLAG should be either YES or NO.
SB-FA-MASS-50048	CONVERSION_DATE should not be NULL, when SHORT_FISCAL_YEAR_FLAG is YES.

A.2.5 General Ledger

Table 33 General Ledger Errors

Error Code	Error Message
SB-GL-BUDGT-40000	BUDGET_NAME cannot be NULL.
SB-GL-BUDGT-40001	BUDGET_ENTITY_NAME cannot be NULL.
SB-GL-BUDGT-40002	CURRENCY_CODE cannot be NULL.
SB-GL-BUDGT-40003	FISCAL_YEAR cannot be NULL.
SB-GL-BUDGT-40004	UPDATE_LOGIC_TYPE cannot be NULL.
SB-GL-BUDGT-40005	CURRENCY_CODE does not exists in FND_CURRENCIES table.
SB-GL-BUDGT-40006	BUDGET_ENTITY_ID does not exists in GL_BUDGET_ENTITIES table.
SB-GL-BUDGT-40007	BUDGET_VERSION_ID does not exists in GL_BUDGET_VERSIONS table.
SB-GL-BUDGT-40008	CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS table.
SB-GL-BUDGT-40009	PERIOD_TYPE does not exists in GL_PERIOD_TYPES table.
SB-GL-BUDGT-40010	SET_OF_BOOKS_ID does not exists in GL_SETS_OF_BOOKS table.
SB-GL-BUDGT-40011	ACCOUNT_TYPE should be either A-Asset, L-Liability, E-Expense, O-Owners Equity, R-Revenue.
SB-GL-BUDGT-40012	DR_FLAG should be either Y-Yes, N-No.
SB-GL-BUDGT-40013	UPDATE_LOGIC_TYPE should be either A-Add, R-Replace.
SB-GL-BUDGT-40014	BUDGET_ENTITY_NAME does not exists in GL_BUDGET_ENTITIES table.
SB-GL-BUDGT-40015	FISCAL_YEAR does not exists in GL_ENTITY_BUDGETS table.
SB-GL-DLRT-40100	FROM_CURRENCY is a required column. Enter a valid value.
SB-GL-DLRT-40101	TO_CURRENCY is a required column. Enter a valid value.
SB-GL-DLRT-40102	FROM_CONVERSION_DATE is a required column. Enter a valid value.
SB-GL-DLRT-40103	TO_CONVERSION_DATE is a required column. Enter a valid value.
SB-GL-DLRT-40104	USER_CONVERSION_TYPE is a required column. Enter a valid value.
SB-GL-DLRT-40105	CONVERSION_RATE is a required column. Enter a valid value.
SB-GL-DLRT-40106	MODE_FLAG is a required column. Enter a valid value.
SB-GL-DLRT-40120	FROM_CURRENCY does not exist IN TABLE FND_CURRENCIES.
SB-GL-DLRT-40121	TO_CURRENCY does not exist IN TABLE FND_CURRENCIES.
SB-GL-DLRT-40122	USER_ID does not exist IN TABLE FND_USER.
SB-GL-DLRT-40123	USER_CONVERSION_TYPE does not exist IN TABLE GL_DAILY_CONVERSION_TYPES.
SB-GL-DLRT-40130	Valid values for LAUNCH_RATE_CHANGE column are Y,N.
SB-GL-DLRT-40131	Valid values for MODE_FLAG column are D,I,X.
SB-GL-INTERFACE-40200	STATUS cannot be NULL.
SB-GL-INTERFACE-40201	SET_OF_BOOKS_ID cannot be NULL.
SB-GL-INTERFACE-40202	USER_JE_SOURCE_NAME cannot be NULL.

Table 33 General Ledger Errors

Error Code	Error Message
SB-GL-INTERFACE-40203	USER_JE_CATEGORY_NAME cannot be NULL.
SB-GL-INTERFACE-40204	ACCOUNTING_DATE cannot be NULL.
SB-GL-INTERFACE-40205	CURRENCY_CODE cannot be NULL.
SB-GL-INTERFACE-40206	DATE_CREATED cannot be NULL.
SB-GL-INTERFACE-40207	CREATED_BY cannot be NULL.
SB-GL-INTERFACE-40208	ACTUAL_FLAG cannot be NULL.
SB-GL-INTERFACE-40209	SET_OF_BOOKS_ID does not exists in GL_SETS_OF_BOOKS Table.
SB-GL-INTERFACE-40210	CURRENCY_CODE does not exists in FND_CURRENCIES Table.
SB-GL-INTERFACE-40211	FUNCTIONAL_CURRENCY_CODE does not exists in FND_CURRENCIES table.
SB-GL-INTERFACE-40212	BUDGET_VERSION_ID does not exists in GL_BUDGET_VERSIONS table.
SB-GL-INTERFACE-40213	JE_BATCH_ID does not exists in GL_JE_BATCHES table.
SB-GL-INTERFACE-40214	ENCUMBRANCE_TYPE_ID does not exists in GL_ENCUMBRANCE_TYPES table.
SB-GL-INTERFACE-40215	JE_HEADER_ID does not exists in GL_JE_HEADRS table.
SB-GL-INTERFACE-40216	JE_LINE_NUM does not exists in GL_JE_LINES table.
SB-GL-INTERFACE-40217	CODE_COMBINATION_ID does not exists in GL_CODE_COMBINATIONS table.
SB-GL-INTERFACE-40218	ORIGINATING_BAL_SEG_VALUE does not exists in FND_FLEX_VALUES table.
SB-GL-INTERFACE-40219	USER_CURRENCY_CONVERSION_TYPE does not exists in GL_DAILY_CONVERSION_TYPES table.
SB-GL-INTERFACE-40220	USER_JE_CATEGORY_NAME does not exists in GL_JE_CATEGORIES table.
SB-GL-INTERFACE-40221	USER_JE_SOURCE_NAME does not exists in GL_JE_SOURCES table.
SB-GL-INTERFACE-40222	PERIOD_NAME does not exists in GL_PERIODS table.
SB-GL-INTERFACE-40223	USSGL_TRANSACTION_CODE does not exists in GL_USSGL_TRANSACTION_CODES table.
SB-GL-INTERFACE-40224	ACTUAL_FLAG should be either A-Actual, B-Budget, E-Encumbrance.
SB-GL-INTERFACE-40225	AVERAGE_JOURNAL_FLAG should be either Y-Yes, N-No.
SB-GL-INTERFACE-40226	CURRENCY_CONVERSION_RATE should be entered for USER_CURRENCY_CONVERSION_TYPE = User.
SB-GL-INTERFACE-40227	CURRENCY_CONVERSION_DATE should be entered for USER_CURRENCY_CONVERSION_TYPE != User.

Index

C

classes12.jar 18
 ClassName property 21, 24
 Concurrent Manager Request Function 51
 ConnectionPoolDataSource 21, 24
 Connectivity Map
 Setting the eWay Properties 20
 COUNT, OTD node 59

D

Data Type Definition (DYD) Template 51
 DatabaseName property 28, 31
 DataSourceName property 28, 32
 DELETE, OTD node 61
 Delimiter property 29, 32
 Description property 22, 24, 29, 32
 DriverProperties property 29, 32

E

Environment Explorer
 Setting External Properties 27
 Exposed OTD Nodes
 COUNT 59
 DELETE 61
 INITIALIZE 62
 MOVE 62
 REQUEST 63
 REQUEST_STATUS 63
 Staging Table Node 59
 VALIDATE 64

I

INITIALIZE, OTD node 62
 InitialPoolSize property 22, 24

L

LoginTimeout property 22, 25

M

MaxIdleTime property 22, 25
 MaxPoolSize property 22, 25
 MaxStatements property 23, 25
 MinPoolSize property 23, 25
 MOVE, OTD node 62
 mtl_cc_entries_interface 38
 mtl_ci_interface 37
 mtl_ci_xrefs_interface 37
 mtl_item_revisions_interface 38
 mtl_replenish_headers_int 39
 mtl_replenish_lines_int 39
 mtl_serial_numbers_interface 39
 mtl_system_items_interface 38
 mtl_transaction_lots_interface 39
 mtl_transactions_interface 39

N

NetworkProtocol property 23, 26

O

Object Type Definition (OTD)
 Creating 55
 Exposed OTD Nodes 59

P

Password property 29, 33
 po_headers_interface 40
 po_lines_interface 40
 po_requisitions_interface_all 41
 PortNumber property 30, 33
 Pre-Validation
 Building a Custom Package 49
 Procedures 35
 Scripts 35
 Properties
 ClassName 21, 24
 DatabaseName 28, 31
 DataSourceName 28, 32
 Delimiter 29, 32
 Description 22, 24, 29, 32
 DriverProperties 29, 32
 InitialPoolSize 22, 24
 LoginTimeout 22, 25
 MaxIdleTime 22, 25
 MaxPoolSize 22, 25
 MaxStatements 23, 25
 MinPoolSize 23, 25
 NetworkProtocol 23, 26
 Password 29, 33

Index

PortNumber 30, 33
PropertyCycle 23, 26
RoleName 23, 26
TNSEntry 30, 33
User 30, 33
PropertyCycle property 23, 26

R

rcv_headers_interface 40
rcv_transactions_interface 40
REQUEST, OTD node 63
REQUEST_STATUS, OTD node 63
RoleName property 23, 26

S

sb_mtl_cc_entries_interface 38
sb_mtl_ci_interface 37
sb_mtl_ci_xrefs_interface 37
sb_mtl_item_revisions_int 38
sb_mtl_replenish_headers_int 39
sb_mtl_replenish_lines_int 39
sb_mtl_serial_numbers_interfac 39
sb_mtl_system_items_interface 38
sb_mtl_transaction_lots_inter 39
sb_mtl_transactions_interface 39
sb_po_headers_interface 40
sb_po_lines_interface 40
sb_po_requisitions_interface_a 41
sb_rcv_headers_interface 40
sb_rcv_transactions_interface 41
sb_validate_cc_entries_pkg 94
sb_validate_items_pkg 95
sb_validate_poi_hdrs_pkg 112, 115, 118, 119, 124,
125, 128
sb_validate_trans_pkg 100
ServerName 30, 33
Staging Table Node, OTD node 59
Supported Operating Systems 16

T

TNSEntry property 30, 33

U

User property 30, 33

V

VALIDATE, OTD node 64