Designing with Oracle® Java CAPS Application Adapters

ORACLE®

Contents

Designing with Application Adapters

The following sections provide information on designing with certain Application Adapters.

Building an Oracle Applications Custom Pre-Validation Package

The Java CAPS Oracle Application scripts provided 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 Java CAPS environment.

This section covers the following information for building a custom Pre-Validation Package:

To view corresponding tables and scripts used for the Pre-Validation packages, refer to the following modules:

■ "Oracle Applications Financial Module" on page 16.

Oracle Applications Adapter Pre-Validation Scripts

For Open Interfaces for which pre-validation scripts have been supplied, the SQL files shipped with the Adapter 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 "To Build a Custom Pre-Validation Package for a Non-Supported Open Interface" on page 6.

Disclaimer

The pre-validation scripts packaged with the Adapter 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.

Oracle Application Adapter Pre-Validation Procedures

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

TABLE 1 Common Procedures

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

▼ 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:**

```
<CAPS_Dir>/appserver/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. Spaces are acceptable 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 cannot have spaces).

2 Copy the `templateXml.xml` file located in
*JavaCAPS_Home***/appserver/userdir/modules/ext/oracleappsadapter/wizard/configs/ to**
*JavaCAPS_Home***/appserver/userdir/modules/ext/oracleappsadapter/wizard/configs/***business*
and rename it to `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 path with the correct open interface name.

```
<%%ORACLE_INTERFACE_NAME%%>
```

Do not use spaces when creating an ORACLE_INTERFACE_NAME.

4 Replace the path with the correct business suite name.

```
<%%ORACLE_APPLICATION_SUITE NAME%%>
```

5 Replace the path with the correct module name.

```
<%%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.**

The 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
JavaCAPS_Home/.netbeans/caps/modules/ext/oracleappsadapter/wizard/.

This package contains the VALIDATE procedure which eventually invokes all the VALIDATE procedures for all the tables.

8 **Replace `<%%UTILITY_PACKAGE_SQL_FILE_NAME%%>` with the correct path and file name for the utility package.**

The 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
JavaCAPS_Home/.netbeans/caps/modules/ext/oracleappsadapter/wizard/.

This package contains the procedures to move, delete, and function count all interface tables and the OTD level.

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
JavaCAPS_Home/.netbeans/caps/modules/ext/oracleappsadapter/wizard/.

This function eventually invokes the concurrent manager.

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, whereas 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
JavaCAPS_Home/.netbeans/caps/modules/ext/oracleappsadapter/wizard/.

This package has the VALIDATE procedure for these interface tables.

12 **Restart the NetBeans IDE 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 Java CAPS IDE directory. It is recommended to back them up periodically.

Oracle Application Adapter 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>
```

Oracle Applications Adapter Template DTD

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

```
<!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 -->
```

Naming Conventions for the Oracle Interface

The following topics provide information about naming conventions for various interface components:

Short Table Name

This is the name used for the generated utility stored procedures, for each interface table. It is derived from the corresponding Oracle Interface Table name. If the Oracle Interface Table name is longer than 23 characters, INTERFACE or IFACE_ALL is replaced 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 can 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>.

Oracle Applications Manufacturing Modules

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

Oracle Applications 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`

- **Java CAPS Staging Table** — The Oracle Applications Adapter 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 Java CAPS 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`

- **Java CAPS Staging Table** — The Oracle Applications Adapter 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 Java CAPS 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`

- **Java CAPS Staging Table**— The Oracle Applications Adapter 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 Java CAPS 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` and `mtl_item_revisions_interface`

- **Java CAPS Staging Tables**— The Oracle Applications Adapter sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above: `sb_mtl_system_items_interface` and

  `sb_mtl_item_revisions_int`

- **Pre-Validation Scripts** — The scripts corresponding to the Java CAPS Staging Tables listed above are packaged within the following files: `sb_validate_items_pkg.sql` and

  `sb_validate_invrev_pkg.sql`

Replenishment

- **Oracle Interface Tables** — Oracle provides the following Interface Tables for Item Replenishment: `mtl_replenish_headers_int` and `mtl_replenish_lines_int`

- **Java CAPS Staging Tables** — The Oracle Applications Adapter sets up the following staging tables, corresponding to the Oracle Open Interface Tables listed above: `sb_mtl_replenish_headers_int` and

  `sb_mtl_replenish_lines_int`

- **Pre-Validation Scripts** — The scripts corresponding to the Java CAPS Staging Tables listed above are packaged within the following files: `sb_validate_rep_headers_pkg.sql` and

  `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`

- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

Oracle Applications 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

- **Java CAPS Staging Table** — The Oracle Applications Adapter 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 Java CAPS Staging Table listed above are packaged within the following file: `sb_validate_por_req_pkg.sql`

Oracle Applications 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

Java CAPS 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 Java CAPS 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
```

Oracle Applications Financial Module

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

Oracle Applications 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 Module

- **Oracle Interface Tables** — Oracle provides the following Interface Table for Requisitions:
  - `ap_invoices_interface`
  - `ap_invoice_lines_interface`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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
  ```

Oracle Applications 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

Oracle Applications 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`

- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

Oracle Applications 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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

Oracle Applications 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`

- **Java CAPS Staging Tables** — The Oracle Applications Adapter 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 Java CAPS 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`
- **Java CAPS Staging Tables** — The Oracle Applications Adapter sets up the following staging table, corresponding to the Oracle Open Interface Table listed above:
  - `sb_gl_interface`
- **Oracle Applications Adapter** — The scripts corresponding to the Java CAPS 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

Oracle Applications Validation Error Codes

This section provides a description of each of the following error code types returned by the validation scripts:

- "Oracle Applications Manufacturing Error Codes" on page 22.
- "Oracle Applications Financial Budget-GL Error Codes" on page 46.

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

A description of the validation process is found in

Oracle Applications Manufacturing Error Codes

This section provides a description of each of the following Manufacturing error codes:

Inventory Error Codes

This section provides a description of each of the Inventory error codes.

Customer Items

The Customer Items are listed in the table.

TABLE 2   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.

TABLE 2   Customer Item Errors   *(Continued)*

Error Code	Error Message
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

The Customer Item Cross-Reference is listed in the table.

TABLE 3   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.

TABLE 3 Customer Item Cross-Reference Errors   *(Continued)*

Error Code	Error Message
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

The Cycle Count Entries are listed in the table.

TABLE 4 Cycle Count Entry Errors

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

TABLE 4 Cycle Count Entry Errors *(Continued)*

Error Code	Error Message
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.

Item Entries

The Item Entries are listed in the table.

TABLE 5 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.
SB-INVITM-21309	Shippable_Item_Flag is invalid.
SB-INVITM-21310	Customer_Order_Flag is invalid.
SB-INVITM-21311	Internal_Order_Flag is invalid.

TABLE 5 Item Errors *(Continued)*

Error Code	Error Message
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.

TABLE 5 Item Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 5 Item Errors *(Continued)*

Error Code	Error Message
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.
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

The Item Revisions are listed in the table.

TABLE 6 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.

TABLE 6   Item Revision Errors   *(Continued)*

Error Code	Error Message
SB-INVREV-22508	Process_flag is invalid.
SB-INVREV-22509	Item_Number is invalid.

Replenishment Types

Master

The Replenishment Master Errors are listed in the table.

TABLE 7   Replenishment Master Errors

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

Headers

The Replenishment Header Errors are listed in the table.

TABLE 8   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.
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.

TABLE 8 Replenishment Header Errors   *(Continued)*

Error Code	Error Message
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

The Replenishment Line Errors are listed in the table.

TABLE 9 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.
SB-INVREP-22417	Count_Uom_Code is invalid.

TABLE 9   Replenishment Line Errors   *(Continued)*

Error Code	Error Message
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.

Transaction Types

Transactions

The Transaction Errors are listed in the table.

TABLE 10   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.

TABLE 10 Transaction Errors *(Continued)*

Error Code	Error Message
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.
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

The Transaction Lots Errors are listed in the table.

TABLE 11 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

The Transaction Serial Number Errors are listed in the table.

TABLE 12   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.

Purchase Order Error Codes

This section provides a description of each of the Purchase Order error codes.

Import

Master

The Import Master Errors are listed in the table.

TABLE 13   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

The Import Header Errors are listed in the table.

TABLE 14   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.

TABLE 14 Import Header Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 14 Import Header Errors   *(Continued)*

Error Code	Error Message
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

The Import Line Errors are listed in the table.

TABLE 15 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.
SB-POIMP-20046	Tax Name is invalid.
SB-POIMP-20047	Item Revision is invalid.

TABLE 15 Import Line Errors *(Continued)*

Error Code	Error Message
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.

TABLE 15   Import Line Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 15   Import Line Errors   *(Continued)*

Error Code	Error Message
SB-POIMP-25014	FOB is inactive.
SB-POIMP-25015	Freight_Terms is inactive.

Receiving

Master

The Receiving Master Errors are listed in the table.

TABLE 16   Receiving Master Errors

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

Headers

The Receiving Header Errors are listed in the table.

TABLE 17   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.

TABLE 17   Receiving Header Errors   *(Continued)*

Error Code	Error Message
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

The Receiving Transaction Errors are listed in the table.

TABLE 18   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.

TABLE 18   Receiving Transaction Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 18   Receiving Transaction Errors   *(Continued)*

Error Code	Error Message
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.

TABLE 18   Receiving Transaction Errors   *(Continued)*

Error Code	Error Message
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.
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

The Requisition Errors are listed in the table.

TABLE 19   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.

TABLE 19   Requisition Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 19 Requisition Errors   *(Continued)*

Error Code	Error Message
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.
SB-POREQ-20131	Deliver_To_Requestor_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.

TABLE 19 Requisition Errors   (Continued)

Error Code	Error Message
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.
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.

TABLE 19   Requisition Errors   *(Continued)*

Error Code	Error Message
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.

Oracle Applications Financial Budget-GL Error Codes

This section provides a description of each of the following Financial Budget error codes.

Accounts Payable Error Codes

This section provides a description of each of the Accounts Payable error codes.

TABLE 20   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.
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.

TABLE 20 Accounts Payable Errors   *(Continued)*

Error Code	Error Message
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.

TABLE 20 Accounts Payable Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 20 Accounts Payable Errors   *(Continued)*

Error Code	Error Message
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.

TABLE 20   Accounts Payable Errors   *(Continued)*

Error Code	Error Message
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.

Accounts Receivable Error Codes

This section provides a description of each of the Accounts Receivable error codes.

Auto Invoice

The Auto Invoice Errors are listed in the table.

TABLE 21   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.

TABLE 21 Auto Invoice Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 21 Auto Invoice Errors *(Continued)*

Error Code	Error Message
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.

TABLE 21   Auto Invoice Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 21 Auto Invoice Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 21 Auto Invoice Errors *(Continued)*

Error Code	Error Message
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

The Auto Lock Box Errors are as listed in the table.

TABLE 22 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.

TABLE 22   Auto Lock Box Errors   *(Continued)*

Error Code	Error Message
SB-AR-PAYMENT-10819	CUSTOMER_ID does not exists in HZ_CUST_ACCOUNTS table.
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

The Customer Interface Errors are as listed in the table.

TABLE 23 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.
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.

TABLE 23 Customer Interface Errors *(Continued)*

Error Code	Error Message
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.

TABLE 23 Customer Interface Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 23 Customer Interface Errors *(Continued)*

Error Code	Error Message
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.
SB-AR-CUST-10008	LAST_UPDATE_DATE cannot be NULL.

TABLE 23 Customer Interface Errors   *(Continued)*

Error Code	Error Message
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.

TABLE 23 Customer Interface Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 23 Customer Interface Errors   *(Continued)*

Error Code	Error Message
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.

TABLE 23 Customer Interface Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 23   Customer Interface Errors   *(Continued)*

Error Code	Error Message
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.

Cash Management Error Codes

This section provides a description of each of the Cash Management error codes.

TABLE 24   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.
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.

TABLE 24 Cash Management Errors *(Continued)*

Error Code	Error Message
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.

TABLE 24 Cash Management Errors   *(Continued)*

Error Code	Error Message
SB-CE-STATE-30225	Bank_trx_number does not exist in AP_CHECKS_V.

Fixed Assets Error Codes

This section provides a description of each of the Fixed Assets error codes.

TABLE 25 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.
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.

TABLE 25 Fixed Assets Errors *(Continued)*

Error Code	Error Message
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.

TABLE 25 Fixed Assets Errors *(Continued)*

Error Code	Error Message
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.
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.

TABLE 25 Fixed Assets Errors *(Continued)*

Error Code	Error Message
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.

TABLE 25 Fixed Assets Errors *(Continued)*

Error Code	Error Message
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.

General Ledger Error Codes

This section provides a description of each of the General Ledger error codes.

TABLE 26 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.

TABLE 26 General Ledger Errors *(Continued)*

Error Code	Error Message
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.

TABLE 26 General Ledger Errors   *(Continued)*

Error Code	Error Message
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.
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.

TABLE 26 General Ledger Errors   *(Continued)*

Error Code	Error Message
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.

Configuring the PeopleSoft Server for the PeopleSoft Adapter Projects

This section provides configuration information for the PeopleSoft Integration Gateway and Java CAPS postings.

Overview

For Java CAPS to post and receive messages from PeopleSoft, you must configure the PeopleSoft server. The configurations are different for PeopleTools 8.13 and 8.42. For PeopleTools 8.42, there are also different configurations depending on whether the PeopleSoft adapter Project uses JMS, HTTP, or both. The table summarizes the different configurations.

TABLE 27 Configuration Requirements for PeopleSoft

Version	JMS	HTTP
PeopleTools 8.42	Source node	Source node
	Target node	Target node
	.bindings file	HTTP listening connector
	IntegrationGateway.properties	HTTP publication handler
PeopleTools 8.13	n/a	PeopleSoft message node
		HTTP message node
		Message channel inbound
		Message channel outbound
		PeopleSoft subscription handler
		HTTP publication handler

The sections describe how to configure PeopleSoft servers to communicate with the PeopleSoft adapter using PeopleTools 8.42 or 8.13. Information about the PeopleSoft server can be found in the PeopleBooks documentation provided by PeopleSoft.

Configuring PeopleTools 8.42

This section describes how to configure PeopleTools 8.42 to integrate using Java CAPS. When you use this version of PeopleTools, you can create the PeopleSoft adapter Projects that use inbound and outbound JMS data flows, and inbound HTTP data flows. Inbound HTTP data flows are only supported when you use a Java CAPS Business Process Manager implementation of the adapter.

Configuring PeopleSoft for Enterprise Service Bus Posting

The following section describes how to create PeopleSoft nodes to receive and post messages with Oracle Java CAPS.

▼ To Create Source Nodes to Receive Enterprise Service Bus Posts

The procedure describes how to set up the PeopleSoft node to receive Enterprise Service Bus messages.

1 Log into the PeopleSoft server.

2 Follow the PeopleSoft documentation to create a new node and configure it.
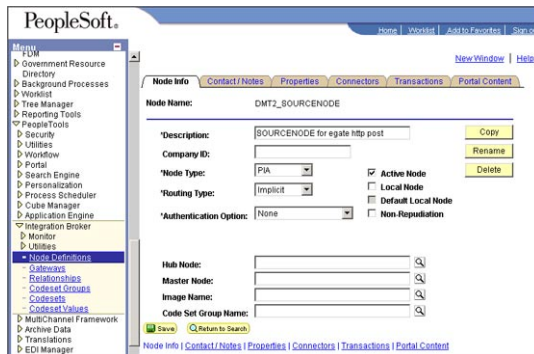
3 **Add a transaction for the Enterprise Service Bus post using your own naming convention and configure it.**
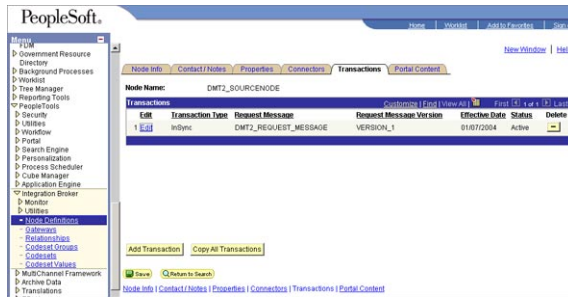
4 **Click Edit.**

The Transaction Detail tab appears.
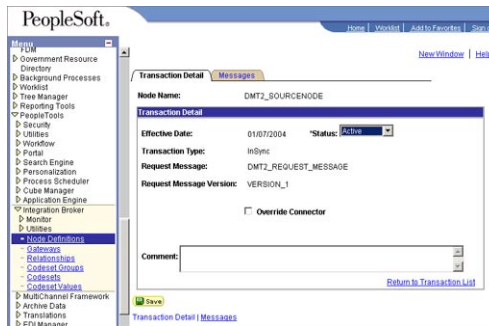
5 **Configure the transaction.**

6 **Click Messages. From the Messages tab, configure the messages for the Enterprise Service Bus post.**
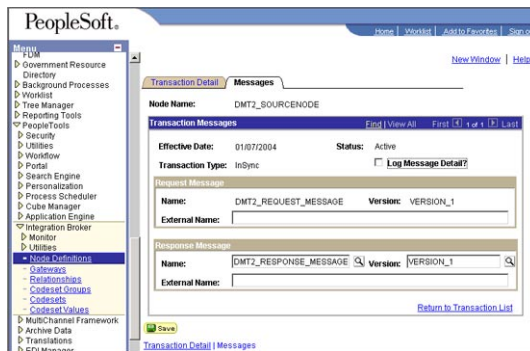
▼ **To Activate Message Channels to Receive Enterprise Service Bus HTTP Posts**

Each channel must be defined and activated before the adapter can post any data. The procedure describes how to activate the message channels for subscription to the PeopleSoft adapter.

1 **From the PeopleSoft Application Designer, create a channel. You can use the default properties.**

2 **Create the request and response message definitions. These message do not require PeopleCode.**

3 **Click Message Properties.**

The Message Properties dialog box appears.

4 **Select the Active option and click OK.**

FIGURE 1   Activating Message Channels
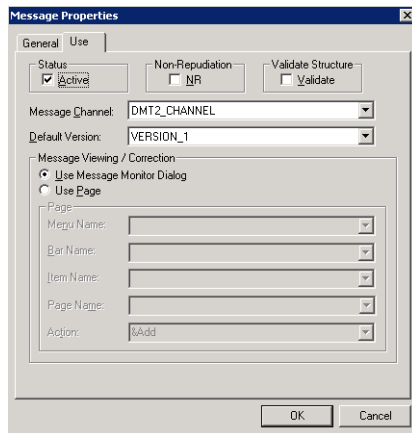
▼ **To Create Target Nodes to Post Messages to Enterprise Service Bus Using HTTP**

The procedure describes how to create and configure PeopleSoft nodes to post messages to Enterprise Service Bus using HTTP.

1 **Follow the PeopleSoft documentation to create a new node using your own naming convention and configure it.**

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FIGURE 2   Creating Nodes to Post to Enterprise Service Bus
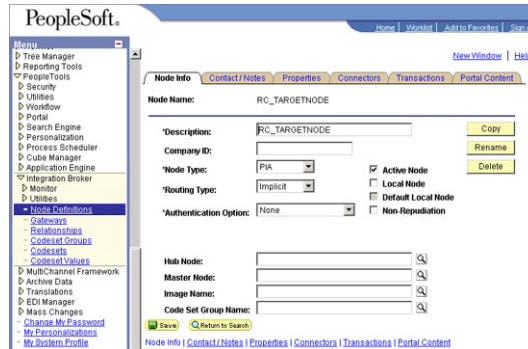
2   **Select the target connector ID. From the Connectors tab, enter the values displayed in the following figure.**

FIGURE 3   Configuring the Connector to Post to Enterprise Service Bus using HTTP
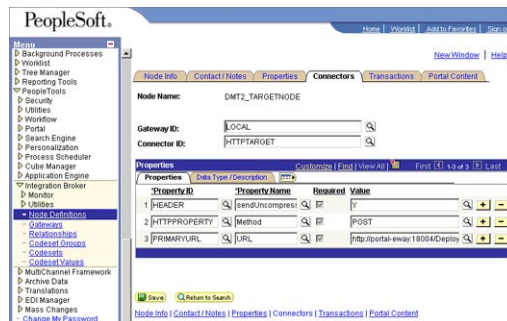
Use the following format for the PRIMARYURL property:

```
http://<yourmachinename>:18001/<yourdeploymentname>_servlet_<servletname>
/<servletname>
```

This property must match the logical Adapter Servlet-url property defined in the NetBeans IDE . The port number must match the default Web server port number specified in the application server properties in the Environment. The Deployment Profile is the name of the Project's Deployment Profile defined in NetBeans. The Deployment Profile name must be followed by **_servlet_servletname.**

3   **Configure the transaction.**

4   **Click Edit.**

5 Click Messages. The Messages tab is displayed.

▼ To Create the Target Node to Post to Enterprise Service Bus Using JMS

After creating the source node in PeopleTools, follow the procedure to create the JMS target node.

1 Follow the PeopleSoft documentation to create a new node using your own naming convention and configure it.

FIGURE 4   Creating Nodes to Post to Enterprise Service Bus Using JMS
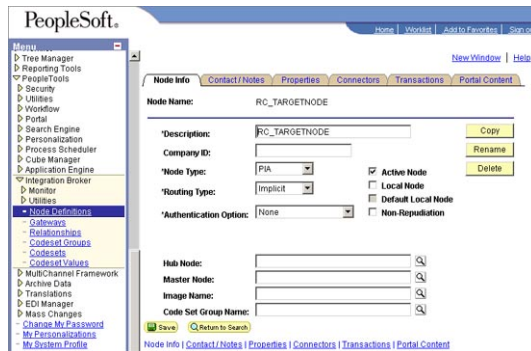
2 Select the target connector ID, and enter the values shown.

FIGURE 5   Configuring the Connectors to Post to Enterprise Service Bus Using JMS
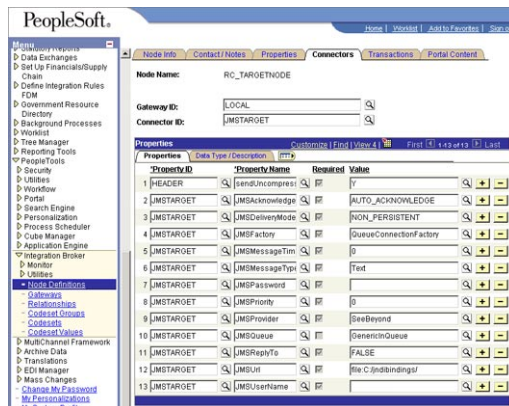
The JMS properties, such as persistence and acknowledgement modes, must match the settings for the JMS client as defined from the Connectivity Map. For information about JMS properties, refer to the *Oracle Java CAPS JMS Reference* .

The `JMSQueue` or `JMSTopic` property must match the name of the queue/topic in the Connectivity Map. The target destination must match the incoming queue/topic, and the source destination must match the outgoing queue/topic.

The `JMSFactory` property must point to the topic or queue ConnectionFactory for the topic or queue properties in the JNDI bindings file.

The `JMSUrl` property must point to your JNDI bindings file (see "To Create the JNDI Bindings File" on page 86).

Make sure that the node that uses `JMSTargetConnector` as the connector is setup correctly in regard to the `JMSUserName` and `JMSPassword` properties.

Additional HTTP Configurations

Two types of HTTP connectors are used with PeopleSoft adapter Projects that use HTTP to communicate to PeopleSoft: the **HTTP listening connector** and the **HTTP target connector**.

The PeopleSoft server uses the HTTP listening connector to receive messages from. The PeopleSoft adapter HTTP client external application is used to post to the HTTP listening connector. You do not have to configure the HTTP listening connector; the connector is started automatically by the PeopleSoft Integration Application.

However, you must set the location for the HTTP listening connector in the Environment properties of the PeopleSoft Adapter. The routing of messages in the PeopleSoft server is decided by the content of the message in the header section.

The HTTP target connector is used to send HTTP messages to Enterprise Service Bus. The Enterprise Service Bus component receiving the HTTP message is a servlet. The servlet name is specified in the Connectivity Map.

▼ To Verify the HTTP Listening Connector

1   In a text editor, open the `web.xml` file from *WebLogic_Home*`\config\peoplesoft\applications\PSIGN\WEB-INF.`

2   Verify that the following section is included, and add it if it is absent.

FIGURE 6   Verifying the HTTP Listening Connector

Additional JMS Configurations

Additional JMS configuration tasks include the following:

▼ To Configure Inbound JMS Connections

To configure inbound JMS connections, edit the `IntegrationGateway.properties` file as described in the procedure.

1   Open the `IntegrationGateWay.properties` file from
WebLogicHome`\config\peoplesoft\applications\PSIGW\WEB-INF`.

2   Edit the file for the JMS queue listener properties.

You can configure multiple queues by using the convention ig.jms.queue1, ig.jms.queue2, ig.jms.queue3, and so on. The following table shows how the JMS listener is configured for the GenericOutQueue.

JMS Queue Listener Properties

ig.jms.Queues=1	"1" indicates only one queue.

ig.jms.Queue1=GenericOutQueue	The first queue name "GenericOutQueue", must be the same in the .bindings file. The Java code used to generate the entry in the .bindings is:

	<pre>queue = new STCQueue("GenericOutQueue");
	q = null;
	  try {
	          q = (Queue)
	        jndifContext.lookup("GenericOutQueue");
	System.out.println(q.getClass().getName());
	              } catch (Exception e) {
	                  System.out.println("fcontext
	GenericOutQueue lookup exception");
	                  e.printStackTrace();
	              }
	              if (q == null) {
	                  System.out.println("q is null...bind
	GenericOutQueue as GenericOutQueue");
	                  jndifContext.bind("GenericOutQueue",
	queue); }</pre>

ig.jms.Queue1.Provider=SunSeeBeyond	The "SunSeeBeyond" entry must match the configuration entry in the `integrationgateway.properties` file: ig.jms.JMSProvider.JNDIFactory.SeeBeyond=com.sun.jndi.fscontext.RefFSContextFactory

ig.jms.Queue1.JMSFactory=
QueueConnectionFactory
	"QueueConnectionFactory" is the JNDI name in the .bindings file. Use the following Java code to generate the entry:
	
	``java
	QueueConnectionFactory tgtqcf = null;
	            try {
	                /*you can change the jndi name here,
	the jndi name use here must
	be exactly same
	                    *as in the websphere's Generic JMS
	Provider's configuration
	External JNDI Name
	                    */
	                tgtqcf = (QueueConnectionFactory)
	jndifContext.lookup("Queue
	ConnectionFactory");
	            } catch (Throwable e) {
	                System.out.println("fcontext Queue
	ConnectionFactory lookup exception");
	                e.printStackTrace();
	            }
	            if (tgtqcf == null) {
	                System.out.println("fcontext Queue
	ConnectionFactory lookup is null...");
	
	                jndifContext.bind("QueueConnection
	Factory", srcqcf);
	            } else {
	                System.out.println("fcontext Queue
	ConnectionFactory is NOT
	null...unbind then re-bind QueueConnectionFactory");
	
	                jndifContext.unbind("Queue
	ConnectionFactory");
	                jndifContext.rebind("Queue
	ConnectionFactory", srcqcf);
	            }
	``

ig.jms.Queue1.MessageSelector=	See the *Oracle Java CAPS JMS Reference* .
ig.jms.Queue1.Url=file:c:/jndibindings/	The URL of the .bindings file. Because PeopleSoft only supports fcontext, this is a directory name.
ig.jms.Queue1.User=Administrator	User name to Enterprise Service Bus JMS server.
ig.jms.Queue1.Password= SwBAuVVABok=	Encrypted value of the password to Enterprise Service Bus JMS server. Use the PeopleSoft utility pscipher to get the encrypted value.

3   Edit the file for the JMS queue listener properties.

You can configure multiple queues by using the convention ig.topic1, ig.topic2, ig.topic3, and so on. The table shows how to configure the JMS topic to use the GenericOutTopic.

JMS Queue Listener Properties

ig.jms.Topics=1	"1" indicates only one topic.
ig.jms.Topic1= GenericOutTopic	The first topic name "GenericOutTopic", must be the same in the .bindings file. The Java code to generate this entry in the .bindings is:

```
topic = new STCTopic("GenericOutTopic");
            t = null;
            try {
                /*you can change the jndi name here,
the jndi name use here
must be exactly same
                 *as in the websphere's Generic JMS
Provider's configuration
External JNDI Name
                 */
                t = (Topic) jndifContext.lookup
("GenericOutTopic");
                System.out.println(t.getClass().
getName());
            } catch (Exception e) {
                 System.out.println("fcontext
GenericOutTopic lookup exception");
                e.printStackTrace();
            }
            if (t == null) {
                System.out.println("t is null...bind
GenericOutTopic as
GenericOutTopic");
                jndifContext.bind("GenericOutTopic",
topic);          }
```

ig.jms.Topic1. Provider=SunSeeBeyond	The "SunSeeBeyond" entry must match the configuration entry in the integrationgateway.properties file:

ig.jms.JMSProvider.JNDIFactory.SeeBeyond=com.sun. jndi.fscontext.RefFSContextFactory

ig.jms.Topic1. JMSFactory=TopicConnectionFactory	"TopicConnectionFactory" is the JNDI name in the .bindings file. Use the following Java code to generate the entry:
	TopicConnectionFactory tgttcf = null;

```
try {
    /*you can change the JNDI name here,
the JNDI name use here must be exactly same
        *as in WebSphere's Generic JMS
Provider's configuration External JNDI Name
        */
    tgttcf = (TopicConnectionFactory)
jndifContext.lookup("TopicConnectionFactory");
        } catch (Throwable e) {
        System.out.println("fcontext
TopicConnectionFactory lookup exception");
        e.printStackTrace();
        }
        if (tgttcf == null) {
        System.out.println("fcontext
TopicConnectionFactory lookup is null...");
        jndifContext.bind(
"TopicConnectionFactory", srctcf);
        } else {
        System.out.println("fcontext
TopicConnectionFactory is NOT null...unbind
then re-bind TopicConnectionFactory");
        jndifContext.unbind(
"TopicConnectionFactory");
        jndifContext.rebind(
"TopicConnectionFactory", srctcf);
        }
```

ig.jms.Topic1.MessageSelector=	Refer to the queue table.
ig.jms.Topic1.Url=file:c:/jndibindings/	Refer to the queue table.
ig.jms.Topic1.User=Administrator	Refer to the queue table.
ig.jms.Topic1.Password=SwBAuVVABok=	Refer to the queue table.

▼ To Create the JNDI Bindings File

To enable the PeopleSoft Adapter to post to PeopleSoft using JMS, you must have a JNDI bindings file in place. You can generate the bindings file with any standard JNDI generation application. Oracle provides a sample generation application called PSFTBindJMS.java. This program and two associate applications, compile.bat and run.bat, are included in the sample Project file.

You must edit and recompile the PSFTBindJMS.java file before generating the bindings file.

1   Create the directory, `C:\testprogram.`. Copy the `PSFTBindJMS.java`, `compile.bat`, and `run.bat` files to this directory.

Note – The latest version of the Enterprise Service Bus API Kit JAR files must be added to the WebLogic PeopleSoft-PIS server classpath. To confirm this, check the JAR files in the server's `setENV.cmd` file located in the following location (or similar): *WebLogic_Home*`\config\peoplesoft\setEnv.cmd`. If you installed the PeopleSoft-PIA service as a Windows Service, you must uninstall and reinstall the service by running `unInstallNTServicePIA.cmd` first, then running `installNTServicePIA.cmd`. This is a runtime classpath requirement to confirm the new classpath.

---

2   Open the `PSFTBindJMS.java` file in a text editor and follow the directions presented in the text of the file. Edit the JNDI bindings generation application with the Enterprise Service Bus host name and location. Verify that the Enterprise Service Bus JMS server port number is correct.

This port number must match the Server port property for the JMS IQ Manager in the NetBeans. For more information, refer to the *Oracle Java CAPS JMS Reference* .

3   Modify the following line to point to your own directory. For example:

```
fcontextprops.put(Context.PROVIDER_URL, "file:C:\\CAPSExports\\PeopleSoft\\JMS");
```

Note – If you are installing Java CAPS and the PeopleSoft Adapter on a computer that had previous versions of Java CAPS or ICAN installed, be sure to delete all of the previously installed API JAR files, and follow the directions in the Enterprise Service Bus API Kit Developer's Guide to modify your classpath to include the new API JAR files.

---

4   Double-click `compile.bat` to compile the program. A class file is generated.

5   Double-click `run.bat` to run the program. This creates a `.bindings` file.

6   Copy the `.bindings` file to the location of the `JMSUrl` property described in the section above.

When you run the bindings generation application for the first time, the following message is displayed:

```
fcontext TopicConnectionFactory lookup exception, you never had this jndi entry
fcontext TopicConnectionFactory lookup is null... will bind to the jndi name
fcontext GenericInTopic lookup exception, it doesn't exist
GenericInTopic is null...bind GenericInTopic as GenericInTopic
fcontext GenericOutTopic lookup exception, it doesn't exist
GenericOutTopic is null...bind GenericOutTopic as GenericOutTopic
fcontext ErrorTopic lookup exception, it doesn't exist
t is null...bind ErrorTopic as ErrorTopic
fcontext QueueConnectionFactory lookup exception it doesn't exist
fcontext QueueConnectionFactory lookup is null...bind with new value
fcontext GenericInQueue lookup exception, it doesn't exist
GenericInQueue is null...bind GenericInQueue as GenericInQueue
fcontext GenericOutQueue lookup exception
GenericOutQueue is null...bind GenericOutQueue as GenericOutQueue
```

In the subsequent runs, the following message is displayed:

```
fcontext TopicConnectionFactory is NOT null...unbind then re-bind
TopicConnectionFactory will overwrite old value
com.stc.jms.client.STCTopic
fcontext GenericInTopic is NOT null...unbind then re-bind GenericInTopic
will overwrite old valuecom.stc.jms.client.STCTopic
fcontext GenericOutTopic is NOT null...unbind then re-bind GenericOutTopic
will overwrite old valuecom.stc.jms.client.STCTopic
fcontext ErrorTopic is NOT null...unbind then re-bind ErrorTopic
will overwrite old value
fcontext QueueConnectionFactory is NOT null...unbind then re-bind
QueueConnectionFactorycom.stc.jms.client.STCQueue
fcontext GenericInQueue is NOT null...unbind then re-bind GenericInQueue
will overwrite old valuecom.stc.jms.client.STCQueue
fcontext GenericOutQueue is NOT null...unbind then re-bind GenericOutQueue
will overwrite old value
```

7 Once you have completed all of these steps, restart the PeopleSoft-PIA services. You can restart the PIA services from the Windows Services console, or you can restart the service from a Command Line using the following command:

```
startIA.cmd
```

After you execute this command, monitor the PIA_weblogic.log file until you see the following output:

```
#### <> <000329>
```

This indicates that the PIA Service is started. If you use this method of starting the PIA service, be aware that the Windows Services console will not accurately reflect that the service has been started.

8 Stop and restart the JMSListeningConnector using the URL (see "Starting and Stopping the JMS Listening Connector" on page 88). After you start the JMS Listening Connector, monitor the PIA_weblogic.log. The following message indicates that the JMS Listening Connector has started correctly:

```
#### <> <> <101047> <[WebAppServletContext(2244929,PSIGW,
/PSIGW)] JMSListeningConnectorAdministrator: init>
#### <> <> <101047> <[WebAppServletContext(2244929,PSIGW,
/PSIGW)] PeopleSoftListeningConnector: init>
```

If you follow the procedure "To Create the JNDI Bindings File" on page 86 before the PIA service is ready, the JMS Listening Connector will not be active, so it will not receive messages from Enterprise Service Bus.

Starting and Stopping the JMS Listening Connector

To start the JMS Listening Connector, use the following command:

```
http://hostname:port/PSIGW/JMSListeningConnectorAdministrator?Activity=START
```

To stop the JMS Listening Connector, use the following command:

```
http://hostname:port/PSIGW/JMSListeningConnectorAdministrator?Activity=STOP
```

Verifying the JMS Connection

To verify if your JMS connection works, you can use the `StartSendMaster.bat` provided by PeopleSoft in the following location:

WebLogic_Home\config\peoplesoft\applications\PSIGW

Verifying PeopleSoft Server Logs

You can verify log information for the PeopleSoft server in the following directory:

WebLogic_Home\config\peoplesoft\applications\PSIGW

Notes on PeopleSoft Server Disconnections for JMS

If the domain is shut down during a JMS session with PeopleSoft, the PeopleSoft server may loose the session. You must reestablish the connection on the PeopleSoft server.

Configuring PeopleTools 8.13

This section describes how to configure PeopleTools 8.13 to integrate using the Enterprise Service Bus. When you use this version of PeopleTools, you can create PeopleSoft Adapter Projects that use inbound HTTP Collaborations. Outbound HTTP Collaborations are only supported when you use Java CAPS Business Process Manager together with Enterprise Service Bus.

perform the following tasks to configure PeopleTools 8.13:

▼ To Create PeopleSoft Nodes to Receive Enterprise Service Bus HTTP Posts

The procedure describes how to create and configure PeopleSoft nodes for Enterprise Service Bus HTTP posting.

1 In the PeopleTools Application Designer, click New on the File menu.

The New dialog box appears.

2 Click Message Node and click OK to display the Message Node dialog box for Node 1.

3 Right-click the Locations pane and click Insert Location.

The Location dialog box appears.

4 Enter the URL for the PeopleSoft Gateway Servlet and click OK.

For Apache:

```
http://PSFTHOST/servlets/psft.pt8.gateway.GatewayServlet
```
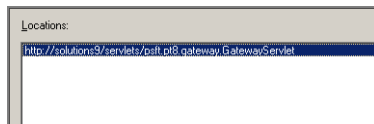
For WebLogic:

```
http://PSFTHOST/servlets/gateway
```

where *PSFTHOST* is the name of the host computer where PeopleSoft runs.

The URL name displays in the Message Node dialog box similar to Figure 7.

FIGURE 7   PeopleSoft Node for Receiving Enterprise Service Bus HTTP Posts

5 Click Save As on the File menu.

6 Enter the name of the message node.

7 From the File menu, click Open.

The Open Object window appears.

8 To verify that the message node is ready for use, select Message Node from the Object Type list and click Open.

A list of all message nodes appears. The name of the new message node appears in the Objects Matching Selection criteria pane.

Message nodes with PSFT prefixes are created by the PeopleSoft installation. PSFT_EP is the PeopleSoft local node for the Financials application. It is specified as a subscriber to messages sent from the PeopleSoft Adapter, and a publisher of messages to the HTTP server.

FIGURE 8 Viewing Message Nodes
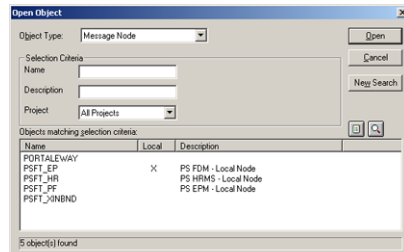
▼ To Activate the Message Definition to Receive Enterprise Service Bus Posts

PeopleSoft comes with a set of predefined message definitions. The desired message definition is configurable in the adapter with the Subject property. The following instructions describe how to activate the message definition for subscription to the PeopleSoft Adapter.

Note – For purposes of this publication the ADVANCED_SHIPPING_RECEIPT Message Definition is activated for publish / subscribe.

Each message used for publication must be defined. This definition corresponds to the XML message the adapter publishes, and contains the elements of the data to be published. However, before the Adapter can publish any data, the message definition must be activated. The Application Designer includes a list of these definitions.

1 **In PeopleTools Application Designer, click Open on File menu.**

The Open Object dialog box appears.

2 **Click Message from the Object Type list.**

This displays all available PeopleSoft message definitions.

FIGURE 9   Viewing Available Message Destinations
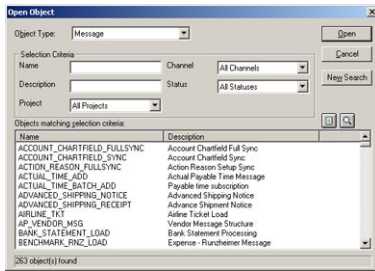
3   Double-click the message definition.

The Message window appears, displaying the record details of the chosen message structure.

FIGURE 10   Message Structure Details
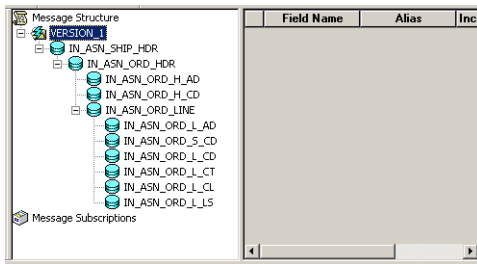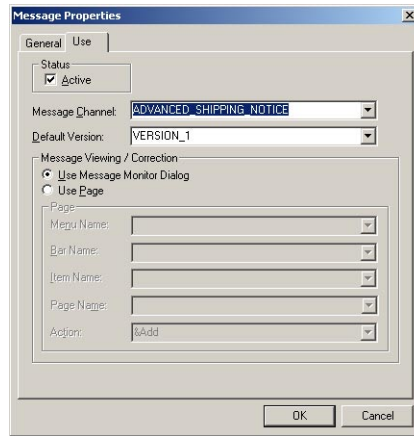

4   Click Object Properties on the File menu.

The Message Properties dialog box appears.

5   Click the Use tab.

6   Select the Active option and click OK.

FIGURE 11   Activating the Message Definition to Receive Enterprise Service Bus Posts

7   Save your current changes.

You have now activated the message definition for publishing or subscribing.

Defining Message Channel Routing Rules

This procedure describes how to configure message channels. Before you start, determine which message channel you will use. You can configure the PeopleSoft Adapter for this message channel with the Channel property.

▼ To Configure the Message Channel

Each message channel logically groups messages together. For purposes of the procedure, the ADVANCED_SHIPPING_RECEIPT message is grouped into the ADVANCED_SHIPPING_NOTICE message channel.

1   Log into the PeopleTools Application Designer.

2   Click Open on the File menu.

The Open Object dialog box appears.

3   Select Message Channel from the Object Type list and click Open.

This displays all available message channels.

4   Double-click the message channel to be used.

The Message Channel window appears for that channel.

5   **Click Routing Rules, right-click the pane, and from the shortcut menu, click Insert Message Node.**

The Insert Message Node dialog box appears, displaying the available message nodes.
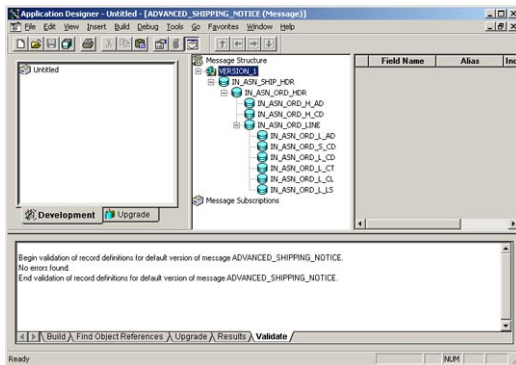
6   **Select PSFT_EP and click Insert.**

The message is inserted into the routing rules table.

7   **Select STCPUBLISHER and click Insert.**

8   **Click Cancel to close the dialog box.**

The message nodes are now defined on the Routing Rules tab of the Message Channel window.

FIGURE 12   Viewing the Message Nodes

▼ To Define the Routing Directions

Routing directions provide you with the ability to assign destinations (Publish To/Subscribe From) to a message node. This section describes the procedure for defining the routing directions for the adapter message node, Subscribe From.

1   **In the Routing Rules Tab of Message Channel window in the Application Designer, right-click Both (Publish and Subscribe) for STCPUBLISHER, click Routing Direction, and then click Subscribe From.**

2   **Right-click Both (Publish and Subscribe) for PSFT_EP, click Routing Direction, and then click Publish To.**

The Routing Rules tab now shows that the adapter message node is subscribing to messages from PSFT_EP and is publishing to STCHTTP.

FIGURE 13   Viewing Routing Directions

3   **Click Save on the File menu.**

You have now defined the routing rule that allows the appropriate message to be published from the adapter to PeopleSoft.

Adding the PeopleSoft Subscription Handler

The procedure describes how to add the PeopleSoft subscription handler. Before you start the procedure, make a note of the following PeopleSoft configurations:

- Jolt listener host
- Jolt listener port
- PeopleTools version
- Operator ID
- Operator ID password

▼ To Add the PeopleSoft Handler Directory

1   **Navigate to the following URL in a browser to open the handler directory:**

For Apache:

`http://PSFTHOST/servlets/psft.pt8config.ConfigServlet`

For WebLogic:

`http://PSFTHOST/servlets/gateway.administration`

where *PSFTHOST* is the host where the PeopleSoft Application Messaging Gateway is installed.

The Handler Directory page appears.
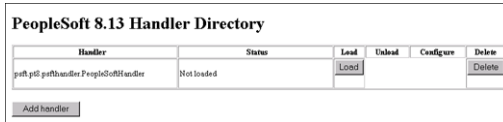
FIGURE 14   Adding the PeopleSoft Handler Directory

2   **Click Add handler.**

The Add Handler page appears.

3   Enter the PeopleSoft handler class:

`psft.pt8.psfthandler.PeopleSoftHandler`

and click **Save**.
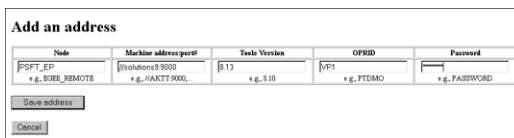
FIGURE 15   Viewing the New Handler

4   Click Load to load the PeopleSoft handler class you just added.

The status changes to Loaded successfully.

5   Click Configure to configure the handler.

The Manage Lookup Table page for the PeopleSoft handler appears.

FIGURE 16   Managing the Lookup Table
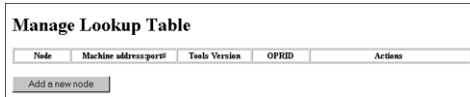
6   Click Add a New Node to associate the node with this subscription handler.

The Add an Address window appears.

FIGURE 17   Adding an Address

7   Enter the values for the new node, PSFT_EP, associated with the subscription handler. These values are mandatory.

8   Click Save address.

The Manage Lookup Table page now displays the new node.

FIGURE 18   Viewing the New Node

The Application Messaging Gateway is now ready to receive XML messages from the adapter and publish the XML messages to PeopleSoft.

Configuring for Subscription

To configure PeopleSoft to publish XML messages to the PeopleSoft Adapter involves the following steps:

- "Creating an HTTP Adapter Message Node" on page 97.
- "Activating the Message Definition for Subscription" on page 97.
- "Defining the Message Channel Routing Rules" on page 97.
- "Adding the HTTP Publication Handler" on page 97.

Creating an HTTP Adapter Message Node

Refer to "To Create PeopleSoft Nodes to Receive Enterprise Service Bus HTTP Posts" on page 89 to create a message node associated with the PeopleSoft Adapter. A message node called STCHTTP is used as an example.

Activating the Message Definition for Subscription

Refer to "To Activate the Message Definition to Receive Enterprise Service Bus Posts" on page 91 to activate the message to be published to the PeopleSoft Adapter. In this case, activate the PO-EXPECTED_RECEIPT_SHIPTO message.

Defining the Message Channel Routing Rules

Refer to "Defining Message Channel Routing Rules" on page 93 to define the routing rules for the message channel to be used.

- Insert the PSFT_EP message node and the HTTP message node previously created.

- Define the routing direction. Select Subscribe From for PSFT_EP and Publish To for the HTTP message node (STCHTTP).

Adding the HTTP Publication Handler

This procedure describes how to add the HTTP publication handler. Before you start, verify that the HTTP publication handler is installed. Also, obtain the HTTP configuration values for the adapter which is to receive the XML message(s) from PeopleSoft. These are required when configuring the message node corresponding to the subscription handler.

▼ To Obtain the HTTP Configuration Values

1   Navigate to the following URL in a browser to open the handler directory:

For Apache:

```
http://<yourmachinename>:18001/<yourdeploymentname>
_servlet_<servletname>/<servletname>.
```
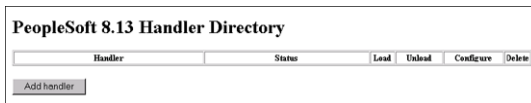
For WebLogic:

```
http://<PSFTHOST>/servlets/gateway.administration
```

where, *<PSFTHOST>* is the host where the PeopleSoft Application Messaging Gateway is installed.

The Handler Directory page appears.

FIGURE 19   Adding the PeopleSoft Handler Directory
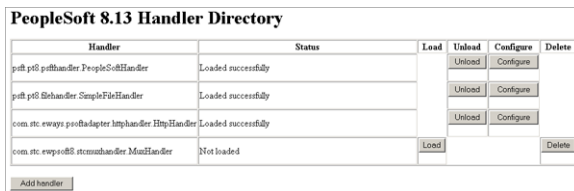

2   Click Add Handler.

The Add Handler page appears.

3   Enter the HTTP publication handler class and click Save.

```
com.stc.ewpsoft8.stchttphandler.HTTPHandler
```

4   Click Save.

The Handler Directory page displays the new handler.

5   Click Load.

The status changes to Loaded successfully.

6   Click Configure for the HTTP handler.

The HTTP Handler Directory page appears.

7   **Click Add an HTTP Node to associate a node with this subscription handler.**

8   **Enter the values for the new node associated with the subscription handler. Scroll to the right to access additional columns.**

9   **In the Include Headers column, indicate whether or not you want header information to be retained in the received messages. All values are mandatory.**

10   **Selecting the check box preserves the header information.**

11   **Deselecting the check box strips the header information.**

12   **Click Save.**

The STCHTTP node entries appear. If the entries are correct, the Application Messaging Gateway now can receive XML messages from PeopleSoft and publish the XML messages to the PeopleSoft Adapter (in HTTP mode).

You can now ping the HTTP host from the system where the `com.stc.eWays.psofthandler.jar` file is installed. You may need to use the system's full host name.

Accessing Non-Local Queue Managers and Non-Local Queues

When used with alias queues and remote queues, the WebSphere MQ Adapter functions with several restrictions.

Alias queues and remote queues with local queue definitions may be accessed in the same way as actual local queues, through the use of the Adapter OTD's accessQueue(String) method. Remote queues without local queue definitions need to use the accessQueue(String, String) method instead.

Also, when alias queues or remote queues are used, the Adapter cannot proactively verify the connection (and reconnect, if necessary) before each OTD operation. This is because the Adapter verifies connections by querying queue objects, and it is not possible to query alias queues and remote queues. This means that when alias queues or remote queues are used with the Adapter, the Collaboration is responsible for recovering connection failures itself, including reestablishing the queue manager and queue connections as needed.

For more information, refer to the WebSphere MQ Adapter Javadoc.

▼ To Connect to a Remote WebSphere MQ Queue.

When an Adapter connects to a local queue manager and accesses one of its queues, that queue is a local queue. When an Adapter connects to a remote queue manager and accesses one of its

queues, then that queue, is also a local queue. In WebSphere MQ terms, a remote queue is a queue that is managed by a queue manager other than the one to which the application (in this case, the Adapter) is connected.

For example, say that there are two queue managers, QM1 and QM2. QM1 manages a queue (Q1) and runs on Host1. QM2 manages a queue (Q2) and runs on Host2.

Furthermore, say that need to send messages to Q2, but the Adapter may only communicate with Host1 (that is, Host2 is unreachable from the system in which the Adapter is executing). By creating the appropriate channels and a remote queue definition (R1 on QM1), messages sent to R1 can be shuttled automatically to Q2 on QM2.

For this example, the Queues and the Adapter are configured as follows:

1   **If either QM1 or QM2 do not have a transmission queue defined, create one. Both queue managers require one transmission queue each. In this example, assume that both queue managers have the transmission queue 'xmit'.**

2   **Create a Sender Channel for QM1 that points to Host2 and transmission queue xmit. The name of the channel must match the Receiver Channel created in the next step.**

3   **Create a Receiver Channel for Q2. The name of the channel must match the Sender Channel created in the previous step.**

4   **In QM1, create a Remote Queue Definition (R1). Designate Q2 as its remote queue, QM2 as its remote queue manager, and xmit as its transmission queue.**

5   **Configure the MQ Adapter to connect to Host1, QM1, and have it put messages into queue R1.**

Note – Messages cannot be read/GET from remote queues, only PUT. In the example situation above, to read the messages placed in QM2:Q2 through R1, an Adapter needs to connect directly to QM2 (Host2), thereby interacting with Q2 as a local queue.

Creating the WebSphere MQ Queue

The first step in creating the sample Project for the WebSphere MQ Adapter is to install and configure IBM's WebSphere MQ Server and MQ queue manager on the local host. It is assumed that the reader is experienced in the use of the WebSphere MQ queue manager. For the sample implementation, perform the following:

▼ To Create the WebSphere MQ Queue

1 **Open IBM WebSphere MQ Explorer.**

2 **Create a new queue manager.**

3 **From the WebSphere MQ queue manager create a new queue.**

IBM WebSphere MQ Server and Queue Manager Limits and Settings

- When using the WebSphere MQ queue manager on UNIX, you must be a member of the mqm group to create and start the MQ queue manager.
- It is essential that the WebSphere MQ Administrator regularly monitor the number of messages in the queue. Message expiration settings should be set to allow for extended storage.

WebSphere MQ is limited in the number of messages that can be sent before a commit is executed, and the number of physical messages that can exist on the queue at any one time. This can result in exception errors when upper limits for these numbers are exceeded. Memory and performance of the specific server may also effect the results.