Oracle® Enterprise Installed Base

Implementation Guide

Release 11*i*

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Oracle Enterprise Installed Base Implementation Guide, Release 11*i*

Part No. A95146-01

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Oracle Enterprise Installed Base Implementation Guide, Release 11*i*

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Preface

Audience for This Guide

Welcome to Release 11*i* of Oracle Enterprise Installed Base Implementation Guide.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- ***Oracle Enterprise Installed Base***

  If you have never used ***Oracle Enterprise Installed Base***, Oracle suggests you attend one or more of the ***Oracle Enterprise Installed Base*** training classes available through Oracle University.
- The Oracle Applications graphical user interface.

  To learn more about the Oracle Applications graphical user interface, read the *Oracle Applications User's Guide*.

See Other Information Sources for more information about Oracle Applications product information.

How To Use This Guide

This document contains the information you need to understand and use ***Oracle Enterprise Installed Base***.

- Chapter 1 "Overview of Oracle Enterprise Installed Base" provides overviews of the application and its components, explanations of key concepts, features, and functions, as well as the application's relationships to other Oracle or third-party applications.

- Chapter 2 “Implementation and Setup” provides detailed task based procedures for implementing and setting up Oracle Enterprise Installed Base.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Standards will continue to evolve over time, and Oracle Corporation is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For additional information, visit the Oracle Accessibility Program Web site at http://www.oracle.com/accessibility/.

Accessibility of Code Examples in Documentation

JAWS, a Windows screen reader, may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, JAWS may not always read a line of text that consists solely of a bracket or brace.

Other Information Sources

You can choose from many sources of information, including online documentation, training, and support services, to increase your knowledge and understanding of ***Oracle Enterprise Installed Base***.

If this guide refers you to other Oracle Applications documentation, use only the Release 11*i* versions of those guides.

Online Documentation

All Oracle Applications documentation is available online (HTML or PDF). Online help patches are available on MetaLink.

Related Documentation

Oracle Enterprise Installed Base shares business and setup information with other Oracle Applications products. Therefore, you may want to refer to other product documentation when you set up and use ***Oracle Enterprise Installed Base***.

You can read the documents online by choosing Library from the expandable menu on your HTML help window, by reading from the Oracle Applications Document Library CD included in your media pack, or by using a Web browser with a URL that your system administrator provides.

If you require printed guides, you can purchase them from the Oracle Store at http://oraclestore.oracle.com.

Documents Related to All Products

Oracle Applications User's Guide

This guide explains how to enter data, query, run reports, and navigate using the graphical user interface (GUI) available with this release of ***Oracle Enterprise Installed Base*** (and any other Oracle Applications products). This guide also includes information on setting user profiles, as well as running and reviewing reports and concurrent processes.

You can access this user's guide online by choosing "Getting Started with Oracle Applications" from any Oracle Applications help file.

Documents Related to This Product

Oracle Enterprise Installed Base Concept and Procedures

This guide provides overviews of Oracle Enterprise Installed Base application and its components, explanations of key concepts and features.

Oracle Install Base User's Guide

This guide provides overviews of Oracle Install Base application and its components, explanations of key concepts and features.

Oracle Inventory User's Guide

This guide provides overviews of Oracle Inventory application and its components, explanations of key concepts and features.

Oracle Projects User's Guide

This guide provides overviews of Oracle Projects application and its components, explanations of key concepts and features.

Oracle Asset User's Guide

This guide provides overviews of Oracle Asset application and its components, explanations of key concepts and features.

Oracle Purchasing User's Guide

This guide provides overviews of Oracle Purchasing application and its components and features and functions.

Oracle Payables User's Guide

This guide provides overviews of Oracle Payables application and its components, explanations of key concepts and features.

Oracle Service Fulfillment Manager User's Guide

This guide provides overviews of Oracle Service Fulfillment Manager application and its components, explanations of key concepts and features.

Oracle Applications Concepts

This guide provides an introduction to the concepts, features, technology stack, architecture, and terminology for Oracle Applications Release 11*i*. It provides a useful first book to read before an installation of Oracle Applications. This guide also introduces the concepts behind Applications-wide features such as Business Intelligence (BIS), languages and character sets, and Self-Service Web Applications.

Installing Oracle Applications

This guide provides instructions for managing the installation of Oracle Applications products. In Release 11*i*, much of the installation process is handled using Oracle Rapid Install, which minimizes the time to install Oracle Applications, the Oracle8 technology stack, and the Oracle8*i* Server technology stack by automating many of the required steps. This guide contains instructions for using Oracle Rapid Install and lists the tasks you need to perform to finish your installation. You should use this guide in conjunction with individual product user's guides and implementation guides.

Oracle Applications Supplemental CRM Installation Steps

This guide contains specific steps needed to complete installation of a few of the CRM products. The steps should be done immediately following the tasks given in the Installing Oracle Applications guide.

Upgrading Oracle Applications

Refer to this guide if you are upgrading your Oracle Applications Release 10.7 or Release 11.0 products to Release 11*i*. This guide describes the upgrade process and lists database and product-specific upgrade tasks. You must be either at Release 10.7 (NCA, SmartClient, or character mode) or Release 11.0, to upgrade to Release 11*i*. You cannot upgrade to Release 11*i* directly from releases prior to 10.7.

Maintaining Oracle Applications

Use this guide to help you run the various AD utilities, such as AutoUpgrade, AutoPatch, AD Administration, AD Controller, AD Relink, License Manager, and others. It contains how-to steps, screenshots, and other information that you need to run the AD utilities. This guide also provides information on maintaining the Oracle applications file system and database.

Oracle Applications System Administrator's Guide

This guide provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and online help, and manage concurrent processing.

Oracle Alert User's Guide

This guide explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

Oracle Applications Developer's Guide

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards for Forms-Based Products*. It also provides information to help you build your custom Oracle Forms Developer 6*i* forms so that they integrate with Oracle Applications.

Oracle Applications User Interface Standards for Forms-Based Products

This guide contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications products and how to apply this UI to the design of an application built by using Oracle Forms.

Other Implementation Documentation

Oracle Workflow Guide

This guide explains how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes.You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

Oracle Applications Flexfields Guide

This guide provides flexfields planning, setup and reference information for the ***Oracle Enterprise Installed Base*** implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This manual also provides information on creating custom reports on flexfields data.

Oracle eTechnical Reference Manuals

Each eTechnical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for a specific Oracle Applications product. This information helps you convert data from your existing applications, integrate Oracle Applications data with non-Oracle applications, and write custom reports for Oracle Applications products. Oracle eTRM is available on Metalink

Oracle Manufacturing APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Manufacturing.

Oracle Order Management Suite APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Order Management Suite.

Oracle Applications Message Reference Manual

This manual describes Oracle Applications messages. This manual is available in HTML format on the documentation CD-ROM for Release 11i.

Oracle CRM Application Foundation Implementation Guide

Many CRM products use components from CRM Application Foundation. Use this guide to correctly implement CRM Application Foundation.

Training and Support

Training

Oracle offers training courses to help you and your staff master ***Oracle Enterprise Installed Base*** and reach full productivity quickly. You have a choice of educational environments. You can attend courses offered by Oracle University at any one of our many Education Centers, you can arrange for our trainers to teach at your facility, or you can use Oracle Learning Network (OLN), Oracle University's online education utility. In addition, Oracle training professionals can tailor standard courses or develop custom courses to meet your needs. For example, you may want to use your organization's structure, terminology, and data as examples in a customized training session delivered at your own facility.

Support

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep ***Oracle Enterprise Installed Base*** working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle8*i* server, and your hardware and software environment.

Oracle*MetaLink*

Oracle*MetaLink* is your self-service support connection with web, telephone menu, and e-mail alternatives. Oracle supplies these technologies for your convenience, available 24 hours a day, 7 days a week. With Oracle*MetaLin*k, you can obtain information and advice from technical libraries and forums, download patches, download the latest documentation, look at bug details, and create or update TARs. To use MetaLink, register at (http://metalink.oracle.com).

Alerts: You should check Oracle*MetaLink* alerts before you begin to install or upgrade any of your Oracle Applications. Navigate to the Alerts page as follows: Technical Libraries/ERP Applications/Applications Installation and Upgrade/Alerts.

Self-Service Toolkit: You may also find information by navigating to the Self-Service Toolkit page as follows: Technical Libraries/ERP Applications/Applications Installation and Upgrade.

Do Not Use Database Tools to Modify Oracle Applications Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using Oracle Applications can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support, and office automation, as well as Oracle Applications, an integrated suite of more than 160 software modules for financial management, supply chain management, manufacturing, project systems, human resources and customer relationship management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers and personal digital assistants, allowing organizations to integrate different computers, different operating systems, different networks, and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and applications products, along with related consulting, education, and support services, in over 145 countries around the world.

1

Overview of Oracle Enterprise Installed Base

1.1 Definition of Oracle Enterprise Installed Base

Oracle Enterprise Installed Base (eIB) is a tracking system that integrates with and stores information collected from Inventory, Purchasing, Projects, Assets, Payables and Installed Base.

With Oracle Enterprise Installed Base, you can give users access to tracking information without allowing them access to sensitive processes related to assets and purchasing. You can also track inventory items after they have been installed and link financial transactions to the physical movement of equipment.

1.2 What Is New for Oracle Enterprise Installed Base in This Release

Oracle Enterprise Installed Base (eIB) was originally designed to track and integrates with and stores information collected from Inventory, Purchasing, Projects, Assets, Payables and Installed Base. For this release this original concept has been expanded to integrates with Oracle Installed Base as its data repository. Every transaction that Enterprise Installed Base tracks will be recorded in the Install Base transaction table and each record affected by such transaction will be recorded in the instance and instance history tables.

1.3 Inventory Item and Asset Tracking

To track inventory items and assets, Oracle Enterprise Installed Base (eIB) must interact with several enterprise resource planning (ERP) applications. It sends to and receives messages from those applications about the status and location of the items you want to track.

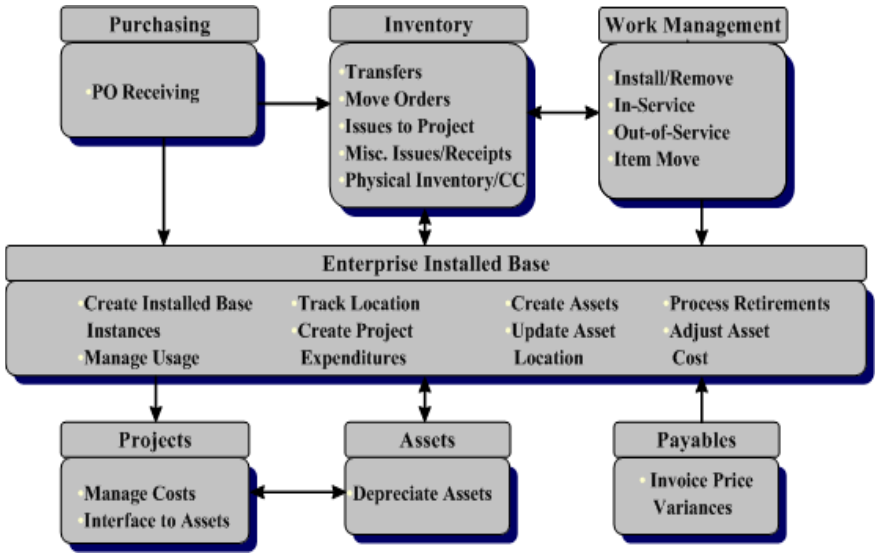
Oracle Enterprise Installed Base (eIB) provides an enterprise tracking and asset management system where all inventory, project and asset-related material

information is stored, providing a 360-degree view of your assets. Users can locate materials anywhere in the system—in warehouses, on trucks, installed in the network, or on project sites, facilitating financial transactions using physical movements of material and equipment. In addition, Enterprise Installed Base can provide a cradle to grave history of all activity for that equipment.

An asset comprises a collection of items. The items may be trackable or not trackable. During implementation, items are designated as NL-trackable at the item master level in Oracle Inventory. Oracle Enterprise Installed Base tracks the activity of the trackable items through inventory, projects, and into fixed assets.

In Oracle Assets you perform the Mass Additions concurrent process to create assets.

Figure 1–1 Overview of Message Flows in Oracle Enterprise Installed Base



In the Overview of Message Flows in Oracle Enterprise Installed Base diagram, for example, when a field service technician enters a report that equipment has been placed into service, the workforce management system may send a message to

Enterprise Installed Base. This message updates the status of the equipment to "In Service," and gives its in-service date to Oracle Projects The asset is now ready to be created in Oracle Assets.

1.3.1 Messaging Architecture in eIB

The messaging architecture receives requests from external publishing systems in eXtensible Markup Language (XML) format. Based on the input requirements, the application updates the status and keeps a history of transactions for the tracking unit. Subsequently, the application publishes outgoing requests to the subscribing systems for further processing. The publishing and subscribing systems include: Installed Base, inventory, purchasing, payables, assets, projects, workforce management, and other legacy system.

1.4 Features of Oracle Enterprise Installed Base

1.4.1 Functional Overview

This application supports the standard functions found in Oracle Inventory, Oracle Purchasing, Oracle CRL-Financials Enabled Assets, and Oracle CRL-Financials Enabled Projects.

Oracle Enterprise Installed Base supports the following functions:

- PO receipt of items into Inventory
- PO receipt of items into operating projects
- Move Orders
- Misc Issue to Project
- Misc Receipt from Project
- Installation and un-installation of equipment
- In-service/Out-of-service of equipment
- Subinventory transfers
- Inter-organization transfers
- Miscellaneous receipts and issues
- Placement of assets into or out of service
- Retirement and Reinstatement of partial or full cost of asset

- Asset Item move and asset Item transfer
- Physical Inventory and Cycle Counts

1.5 Integration Points and Dependencies for Enterprise Installed Base

1.5.1 ERP Integration

Oracle Enterprise Installed Base has the following integration points with Oracle Applications (ERP):

- Inventory
- Purchasing
- Order Management
- Accounts Payables
- Work in Process
- Fixed Assets
- Projects

2

Implementation and Setup

2.1 Setup Checklist

Enterprise Install Base has an ability to track the item irrespective of the location and also to perform the financial updates automatically. Users may use both the functionalities or just the instance tracking capability. Your setup is dependent on the same.

If you are not using Asset creation through Enterprise Install Base then you don't have to perform Oracle Project and Oracle Asset setups

The following table is a comprehensive list of all setup steps that must be completed.

Table 2-1

Step	Step Title	Required
1	Define User with all required Responsibilities	Y
2	Define System Profile Options for Enterprise Install Base	Y
3	Define System Profile Options for all the dependent responsibilities	Y
4	Define Install Base Tracking Item options	Y
5	Define Inventory Parameters	Y
6	Define Purchasing parameters	Y
7	Perform Accounts Payable setup	Y
8	Define Project Parameters	Optional
9	Define Asset Parameters	Optional

Table 2-1

Step	Step Title	Required
10	Perform Install Base location setup	Optional
11	Service Fulfillment Manager setup	Y

Note: If you are only Install Base User and want to track only customer products the perform steps 2 and 4 only.

2.2 Define User with All Required Responsibilities

Following modules must be installed and set up before you set up Enterprise Installed Base. Please consult the appropriate reference manuals for guidance in installing and setting up these modules:

- Oracle Inventory
- Oracle Projects
- Oracle Assets
- Oracle Purchasing
- Oracle Payables
- Oracle CRL-Financials
- Oracle General Ledger
- Oracle Install Base
- Oracle Service Fulfillment Manager

Note: CRL Assets and CRL Projects setup is required only if you using Projects to accrue expenditures to projects and Assets.

2.3 Define System Profile Options for Enterprise Installed Base

These profile options determine how messages are dequeued, where the history file for debugging is located, and where event notifications are sent. Use the System Profile Values window to make changes to your profile settings. Do not enter user values unless you require a setting that is different from the default setting.

Use these steps to set profile options.

Steps

1. From the Navigator for the System Administrator responsibility, choose **Setup > Profiles**.
2. In the Profile Name field of the Find Personal Profile Values window, enter CSE% and click **Find**.
3. Select Issue to Project from the Profile Values window and click **OK**.

   The System Profile Values window displays the following profile options that you can define.

Table 2-4 Oracle Enterprise Installed Base Module Profile Option Settings

Profile Name	Default Value	Profile Option Function	Required
CSE: Debug Log Directory	/sqlcom/temp/	Sets the file and directory of the debug log file. DBA can create own path of directory for fog file	Y
CSE: Debug Option	Y	Enter Y (yes) or N (no) to control the debugging function for the message dequeuer.	Y
CSE: FA Book Type Code		This option is used to set the default FA book type code for creating asset from depreciable item.	Optional
CSE:Issue to Projects Transaction Type		Defines which transaction type represents the Enterprise Installed Base Issue to Project.	Optional
CSE: Miscellaneous Issue to Project		This is miscellaneous transaction type, used when material is issued to a project. This is user define transaction type	Optional
CSE: Miscellaneous Receipt from Project		This is miscellaneous transaction type, used when material is issued from a project. This is user define transaction type	Optional

Table 2-4 Oracle Enterprise Installed Base Module Profile Option Settings

Profile Name	Default Value	Profile Option Function	Required
CUN: PA Expenditure Type		he default expenditure type, used when material is issued to a project.	Optional
CSE: PA Expenditure Type		The default expenditure type, used when material is issued to a project.	Optional
CSE: Bypass event queue	N	This option is used to bypass event queue	Y

2.4 Define System Profile Options for All Dependent Responsibilities

After the modules: Inventory, Projects, Assets, Purchasing, Payables, CRL-Financials, General Ledger, Install Base and Service Fulfillment Manager have been installed, navigate to the System Administrator responsibility and perform the following tasks.

Use these steps to set profile options.

Steps

1. From the Navigator for the System Administrator responsibility, choose **Setup > Profile**s.
2. In the Responsibility field of the Find System Profile Values window, Enter Proper Responsibility (e.g.. Inventory, Vision Enterprises).
3. In the Profile Name field of the Find System Profile Values window, Enter Profile Value (e.g.. MO: Operating Unit) and click Find Button
4. Enter Proper Responsibility at Responsibility level.
5. Choose **File** > **Save** to save your work.
6. Repeat the above steps for different responsibilities.

7. Define MO: Operating Unit profile at Responsibility level:

Table 2-2

Sysadmin --> Security--> Users
Oracle Inventory
Oracle Purchasing
Oracle Payables
Oracle Enterprise Installed Base
CRL 11I Projects
CRL Assets Manager
Oracle General Ledger
Oracle Install Base Admin
Oracle Enterprise Installed Base
Order Management Super User
Work in Process

Suggestion: A post-install step activates the responsibility for CRL Assets Manager and CRL 11i Projects Manager - if this step has not been carried out, you may have to enable these responsibilities beforehand.

8. For all the responsibilities defined above the following profile options should be set:.

Table 2-3

Profile Options	Profile Level
GL Set of Books Name	Responsibility (All Reponsibilities)
MO: Security Profile	Responsibility (All Reponsibilities)
HR: Business Group	Responsibility (All Reponsibilities)
HR: Security Profile	Responsibility (All Reponsibilities)
PA: Default Expenditure Organization	Site, Responsibility (All Responsibilities, Network Logistics)
FA : CRL Assets Enabled	Responsibility (All Reponsibilities)
PA: Licensed to use CRL Projects	Site, Responsibility (All Responsibilities)
Service: Inventory Validation Organization	Responsibility (Enterprise Installed Base, IB, OM, WIP)
QP: Item Validation Organization	Responsibility (Enterprise Installed Base, IB, OM, WIP)

2.5 Define Install Base Tracking Item Options

When an item is Enterprise Installed Base tracking, any activity for that item passes a message to Oracle Enterprise Installed Base for tracking. To make an item Enterprise Installed Base tracking, check the Install Base tracking checkbox on the Service tab when you define a master item.

The Install Base Tracking attribute must be controlled at the item master level. Items become Install Base tracking across all organizations.

In addition, follow these restriction guidelines when setting up Oracle Inventory:

- Item definition as IB tracking or depreciable has to be set at the Master Organization level only.
- Choose 'Create depreciable inventory asset' from LOV of Asset Creation field for Depreciable item.
- Define all Enterprise Installed Base items as inventory items.

If the Inventory Item checkbox is not marked, you cannot store or move the item.

- Enable Inventory Asset and Costing Enabled attributes for all items in Enterprise Installed Base.

  These attributes let you enter and maintain costs for the items.

- Designate serial number control be at the Master organization level.

  This ensures that serial number control for an item is the same across all inventory organizations.

- Do not change serial control for an item after transactions have been entered.

  In Oracle Inventory, you may enter a miscellaneous issue transaction to remove all on-hand inventory, change the serial control attribute, then enter a miscellaneous receipt to restore the on-hand quantities. During the process of correcting on-hand quantities, items that already have transactions are not be effected. As a result records in Enterprise Installed Base do not show the change in the serial control attribute.

- The Install Base tracking attribute of an item cannot be changed when on-hand quantity is greater than zero.

  Attribute changes are not applied to pre-existing transactions in the Enterprise Installed Base record. If you change the tracking attribute of an item from No to Yes, transactions that occurred before the change have no record in Enterprise Installed Base. If you change the tracking attribute of an item from Yes to No, Enterprise Installed Base no longer processes the pre-existing transactions.

Note: In 11.5.6, which corresponds to Oracle Inventory patch set G, Install Base tracking flag is defined under Service tab in the item Master. Prior to that, the same flag is called 'Network Logistics trackable' and resides under Inventory tab.

3

Dependency Modules Setup

3.1 Oracle Inventory Setups

This section discusses the setup steps in Oracle Inventory that have a bearing on how Enterprise Installed Base functions.

3.1.1 Define Organization Classifications

Oracle Enterprise Installed Base tracks those inventory items which you have defined as Enterprise Installed Base-tracking. Each module that interacts with Oracle Enterprise Installed Base passes messages that contain specific information for all items that are marked as Enterprise Installed Base-tracking. For these messages to be sent and received successfully, the organizations you define must have these classifications:

- HR Organization

  Use to associate employees, such as buyers and planners, with items within the organization.

- Inventory Organization

  Use to define, maintain, transact, and have on-hand balances for item numbers.

- Project Expenditure/Event Organization and Project Task Owning Organization

  Allows Oracle Inventory to associate items assigned to project and tasks to a project clearing account, which collects the cost of that assigned material. Use to monitor the expenditures for a project and task by reviewing the account through Oracle Projects. You use capital projects to collect construction-in-process (CIP) and expensed costs for assets you are building. When you are ready to place the asset in service, you generate asset lines from

the CIP costs in Oracle Projects. You can send these lines to Oracle Assets to become depreciable, fixed assets. Therefore allow entry of capital project in your organization and issue material to the Capital Projects only.

You must specify any additional classifications you need for your organization.

3.1.2 Defining Organization Parameters in Oracle Inventory

When you issue material to projects and tasks, all costs are initially charged to a project clearing account. This account provides a convenient check point for tracking project costs.

Project Cost Collection Enabled must be checked on the Costing Information tab. These attributes let you enter and maintain costs for the items.

The organization parameters described below ensure that the costs associated to a project or task are passed to the clearing account for the Inventory organization that has been set up to own inventory items.

Use these steps to define organization parameters.

Prerequisites

You must define your organizations when you set up Oracle Inventory before you can define the organization parameters.

Steps

1. Navigate to the Organization Parameters window.
2. Click the Inventory Parameters tab and enter:
   - The Move Order Timeout Period
   - The Move Order Timeout Action
3. Click the Costing Information tab and check Project Cost Collection Enabled.
4. Click the Other Accounts tab and enter the organization's Project Clearing Account number.
5. Choose **File > Save** to save your work.

3.1.3 Define User-definable Transaction Types

Under the Inventory responsibility, you can define user-definable transaction types. The following transactions must be defined to use Enterprise Installed Base miscellaneous. transactions.

Steps

1. Navigate to the **Inventory > Setup > Transaction > Type** window.
2. Click the User tab and enter name, source type, action, checkbox
3. Choose **File > Save** to save your work.

Name	Source Type	Action	Check boxt
eIB Issue to Project	Move Order	Issue from Store	Check on Project
Miscellaneous Issue to Project	Inventory	Issue from Store	Check on Project
Miscellaneous receipt from Project	Inventory	Receive into Store	Check on Project

3.1.4 Define Normal Item in Inventory

You must define an item master organization and at least one organization in Enterprise Installed Base.

Steps

1. Navigate to the Master Item window.
2. Enter the appropriate information into the header region of the window.
3. Click the Inventory tab.
4. Check Inventory Item.

   Stockable and Transactable are checked by default.
5. Select Service tab and Check Install Base Tracking.
6. Enter or select information in the remaining fields of the window.
7. Choose **File > Save** to save your work.

3.1.5 Define a Depreciable Item in Inventory

You must define an item master organization and at least one organization in Enterprise Installed Base.

Steps

1. Navigate to the Master Item window.
2. Enter the appropriate information into the header region of the window.
3. Click the Inventory tab.
4. Check Inventory Item.

   Stockable and Transactable are checked by default.
5. Select Service tab and Check Install Base Tracking..
6. Choose 'Create depreciable inventory asset' from LOV of Asset Creation field
7. Enter or select information in the remaining fields of the window.
8. Choose **File > Save** to save your work.

3.1.6 Sub-inventory Setup

Associate Asset Sub-inventories to a location.

- Use the Location field in the subinventory setup to link the deliver-to location of the item with its asset location.

3.1.7 Define Inventory Period

Set the first Inventory Period, make sure you align this with the current period of the other modules

Prerequisites

None

Steps

1. Navigate to the Accounting Close Cycle window.
2. Click on Inventory Accounting Periods
3. In the First Period region, enter the current period.

4. Choose **File > Save** to save your work.

3.1.8 Additional Inventory Setup restrictions

- Assigning cost to IB tracking items.

  You must assign cost to each item that is IB tracking if you are using Oracle Projects to accrue the expenditures.

- Define Shipping, Inter-Organization Shipping.

  Use the Inter-Organization Shipping window to define accounting information and the relationships that exist between shipping and destination organizations. You can specify whether an organization is a shipping organization, a destination organization or both. For more information see *Oracle Inventory User Guide*.

Note: For details on Oracle Inventory setup steps, please refer to the Oracle Inventory Implementation Guide.

3.2 Oracle Purchasing Setups

When an organization receives an item, the subinventory material account is debited and the AP accrual account is credited. When the item is issued to a project and the cost collection process is run, the project clearing account is debited and the project's account is credited.

To ensure that Enterprise Installed Base picks up the Project clearing account for the charge account of purchase order, modify Oracle Account Generator as follows:

PO charge account = project clearing account

This modification ensures that the project clearing account used in the organization matches the credit account generated by auto-accounting for receipt transactions.

In addition, heed the following restrictions when setting up Oracle Purchasing:

- **Set the match approval level to at least three-way matchin**g.

  Enterprise Installed Base uses purchase order and invoice data to determine and adjust costs. Three-way matching ensures that the purchase order quantity, the receipt quantity, and the invoice quantity all match. You can also set the match approval level higher, to four-way matching.

If your organization's default matching method is less than three-way, update the matching level setting on the purchase order itself.

- Assign an asset category to Enterprise Installed Base tracking items.

  The asset category must not be an expense category and must belong to the same Assets book as the book used by the Profile Option CSE:FA Book Type Code. See Setting Profile Options.

Note: For details on Oracle Purchasing setup steps, please refer to the Oracle Purchasing Implementation Guide.

3.3 Oracle Projects Setups

Following is a list of Oracle Projects setup specifications:

3.3.1 Define a Descriptive Flexfield for Expenditure Items

The expenditure item descriptive flexfield is mandatory for asset creation. It provides a way to view the attributes or grouping method values of an item.

1. Define this descriptive flexfield for Oracle Projects and call it Expenditure Items.
2. Check the Displayed checkbox for all five segments in the flexfield.
3. Refer to the following table to define the five segments in the flexfield.

Name	Window Prompt	Column	Value Set
Grouping Method 1	Grouping Method One	ATTRIBUTE8	Enterprise Installed Base Asset Category (FA_CATEGORIES table)
Grouping Method 2	Grouping Method Two	ATTRIBUTE9	Enterprise Installed Base Location (FA_LOCATIONS table)

Name	Window Prompt	Column	Value Set
Grouping Method 3	Grouping Method Three	ATTRIBUTE10	PA Product Value (PA_SEGMENT_ VALUE_LOOKUPS table)
Item number	Item Number	ATTRIBUTE6	50 chars (no validation)
Serial number	Serial Number	ATTRIBUTE7	50 chars (no validation)

4. In addition, these restriction guidelines when setting up Oracle Projects:

- Issue Enterprise Installed Base-tracking items only to Capital-type projects.

  Oracle Projects cannot create assets in Oracle Assets from projects that are not the Capital type. If items are issued to projects of either Contract or Indirect type, then Enterprise Installed Base does not have a record of the asset ID. When you generate asset lines, no asset lines are generated for those items that do not belong to the Capital-type project.

- Issue Enterprise Installed Base-tracking items only to tasks that can be capitalized.

  You can generate asset lines only on tasks that have been capitalized.

- Do not send installation and in-service messages against projects that have a Closed status.

  Enterprise Installed Base does not validate whether or not the project has a Closed status. It continues to change the item status to Installed or In Service. However, you cannot generate asset lines against a closed project.

- CRL Projects and CRL Assets set up is required only if you use finacial management of IB tracking item.

- Asset generation will only be done for Projects with Project Types which have 'USER DEFINED GROUPING METHOD' as CIP method.

3.3.2 Setting Up Asset Creation Grouping Methods for Project Expenditure Items

An asset can be created before a project is completed. The asset must be associated to location and asset category information. CRL-Financials Enabled Projects can

send the associated information to Oracle Enterprise Installed Base and CRL-Financials Enabled Assets. In turn, Oracle Enterprise Installed Base uses this information to update the assets and the inventory system.

Use this procedure to ensure that the assets created in CRL-Financials Enabled Projects are associated to the required location and asset category information.

Prerequisites

None.

Steps

1. In the CRL Projects Manager Responsibility, select **Project > Asset Creatio**n.
2. Select values in the Asset Naming Convention window.

   For Location and Category, the Grouping Element Number must correspond with attribute 8, 9, or 10, depending on which attribute was chosen to indicate location in the system-level descriptive flexfield setup.
3. Choose **File > Save** to save your work.

> **Note:** For details on Oracle Projects and Oracle CRL-Financials Enabled Projects setup steps, please refer to the Implementation documentatation for those products.

The following table shows the Asset Creation screen used to defining asset generation in CRL Projects:

Setup / Asset Creation			
Define Asset Name	Task Name (from LOV)		
Define Asset Description	Grouping Element1	Grouping Element2	Task Name
Location	Grouping Element2		
Category	Grouping Element1		

3.4 Oracle Assets Setups

The definitions of the Asset Locator and Asset Category key flexfields must be compatible with the segments of the expenditure item descriptive flexfield defined earlier.

If you use group depreciation and Oracle CRL- Financials, you must define the Group Asset and Super Group key flexfields. The recommended values are shown in the following table.

Note: For details on Oracle Assets setup steps, please refer to the Oracle Assets Implementation Guide.

Application	Key Flexfield	Suggested Segment Values
Oracle Assets	Group Asset	(1) City, (2) Network Element
Oracle Assets	Super Group	(1) Region, (2) Product Line

In addition, be aware of the following:

- Do not change or delete the link between the deliver-to and asset location once an asset has been created.

  Use the Locations form in Enterprise Installed Base to initially link deliver-to and asset location. After this initial link is created, changing or deleting the link could corrupt the asset record.

- When assets are created through Enterprise Installed Base, the asset key flexfield value is null.

  If you want need Enterprise Installed Base to automatically populate this value, you must customize the application.

- All assets must be related to an asset category. The Asset category will drive the depreciable for the asset.

- FA book type will be used from CSE profile.

- When you define Asset Groups you are required to define the depreciation method you will only find methods which have a calculation method of 'FLAT RATE'.

3.5 Related Setup Steps within Oracle Install Base

3.5.1 Oracle Enterprise Installed Base Module Integration Setups

After Oracle Inventory,Oracle Projects,Oracle Assets,and Oracle

Purchasing have been installed and set up, set up Enterprise Installed Base. During the integration setup of Oracle Enterprise Installed Base,you determine:

- How HZ location, HR location (inventory location) map to asset location
- How messages are queued in the message history log and where the log is stored.

  The method Enterprise Installed Base uses to calculate invoice price variance (IPV) requires this restriction. However, price tolerances are permitted.
- Do not modify the Oracle Account Generator logic for deriving the depreciation expense account.

The setup steps for the Oracle Installed Base module are:

- Set Profile Option
- Associate HR Locations to Asset Location
- Associate HZ Locations to Asset Location
- Make sure the The Install Parameter is check.

3.5.2 Setup Asset Locations

Enterprise Installed Base has ability to correlate HR locations to HZ locations.

HR locations are inventory locations used to receive material. HZ locations are used to deploy equipment on the field. You need to establish the link between HR locations to HZ locations in order to perform automatic financial updates when a material movements occur.

3.5.3 Defining HZ Locations

You need to define asset location then link HZ location to asset location. To pre-define the HZ location, use the following steps:

Prerequisites

Item and Organizations must be defined.

Steps

1. From Oracle Install Base responsibility, choose **Setups > Enter Locations**.
2. Enter complete address in HZ location setup window.
3. Enter the description of the HZ location.
4. Enter HZ location code.
5. Choose **File > Save** to Save your work.

3.5.4 Defining Asset Locations

Assign HR and HZ locations to the Asset location using Asset Location Setup.

Prerequisites

HR and HZ locations must be defined.

Steps

1. From Oracle Installed Base responsibility, choose **Setups > Asset Locations Setup**.
2. Select location source as HR or HZ.
3. Choose location code from LOV.
4. Assign Asset location.
5. Enter active start date.
6. You can disable the particular relationship by entering active end date
7. Choose **File > Save** to Save your work.

3.5.5 Check Install Parameter

You need to make sure the Install Parameter is check.

Prerequisites

None.

Steps

1. Navigate to Setups/Install Parameters.
2. Check the "Freeze" option.

3.6 Additional Setup Restrictions

In addition to the restrictions discussed in the sections for Oracle Inventory, Oracle Assets, Oracle Projects, and Oracle Purchasing, heed the following restrictions for other related modules:

- Define the quantity tolerance in Oracle Payables as zero.

  The method Enterprise Installed Base uses to calculate invoice price variance (IPV) requires this restriction. However, price tolerances are permitted.

- Do not modify the Oracle Account Generator logic for deriving the depreciation expense account.

  The depreciation expense account is derived from the book type (corporate or tax) and the asset category. Enterprise Installed Base assumes that the depreciation expense account remains unchanged as a result of subinventory or inter-organization transfers.

> **Note:** Use a standard setup for Oracle Purchasing, Oracle Assets, Oracle General Ledger, Oracle Payables, and the Oracle Human Resource Management System (HRMS). For detailed setup information on all of these applications, except Oracle HRMS, consult the appropriate documentation set. For detailed setup information on Oracle HRMS, please refer to the Oracle HRMS implementation documentation appropriate for the country where the application is being installed.

3.7 Administering Enterprise Installed Base

This topic group provides task-based procedures that are required for ongoing system maintenance and includes information on administration tools and utilities.

3.7.1 Each Transaction Generates a Message

Every transaction of a trackable item generates a message to the application. When the application receives a message, it searches the Enterprise Installed Base tables for a record of the item. If it finds the record and all the attributes have been defined in the record, the transaction occurs without errors.

However, when a transaction results in an error, the related message is sent to the appropriate log. For example, if a Receipt-to-Project transaction of a normal item is missing attributes for category or location, a fatal error occurs. The message that is sent as a result of this transaction is sent to the Error Log.

3.7.2 Understanding the Message Dequeuer

A message dequeuer is a background process that continuously polls a queue and processes the items from the queue. The message dequeuer removes messages from the message queue on a first-in, first-out (FIFO) basis. Message queues are maintained by Oracle Advanced Queueing (OAQ). For information about message queues, see also:

- The Oracle Service Fulfillment Manager Queues
- Administering the System Queues
- Managing the System Queues

You can manage the message queues in either Oracle Service Fulfillment Manager or Oracle Number Portability. Enterprise Installed Base uses the messaging system that is maintained in Service Delivery Platform (SDP).

When you start a message queue, a controller process automatically starts the dequeuers. For more information about starting and suspending a message queue, see:

- Oracle SDP Start
- Oracle SDP Stop

Before starting the transaction make sure that the Service fulfillment manager queue is running.

To do that change the responsibility to SFM System Administrator

Navigate to Setup/ Concurrent/ Administer Manager

Make sure SFM Event Manager Queue Service is running

3.8 By Passing the Service Fulfillment Queue

Enterprise Installed Base doesn't recommend bypassing the service fulfillment queue. Bypassing a queue may cause slower applications performance. However you have a choice of using the queue or bypassing it. To bypass, simply set the CSE profile option 'CSE: Bypass Event Queue to 'Y'. Once you set this option then the transactions will be directly updated to Enterprise Installed Base.

There is no change in the standard business flows except for the Asset Retirements. If you are bypassing the queue then after asset retirement you need to run 'Import Asset Retirement- Reinstatement to Install Base' program . This will update the CSI_I_ASSETS table in IB.

When you choose this option, then you may set the Inventory Transaction Processing user profile as described below :

TP:INV Transaction Processing Mode

Indicates the processing control for transacting items. Available values are:

Processing	Description
On–line processing	Processes transactions while you wait, and control is returned once transaction processing is completed.
Background Processing	Upon commit, control returns immediately to you, allowing you to processing continue working. The transactions are executed on a periodic basis.
Immediate concurrent processing	Upon commit, Inventory spawns the concurrent process and returns control immediately to you, allowing you to continue working. Displays the concurrent request number of the concurrent process executing the transactio.

Processing	Description
Form level processing	Processes transactions using the processing control option you choose for that particular type of ransaction. You must also set the Inventory profile options for Inter–Organization Transfer, Miscellaneous Issue and Receipt, Receive Customer Return, Return to Customer, and Transfer Between Subinventories. If you are using Oracle Work–in–Process, you must set the WIP profile options Completion Material Processing, Completion Transaction Form, Material Transaction Form, Move Transaction, Operation Backflush Setup, and Shop Floor Processing.

The value you choose for this profile overrides values you set for individual transaction profiles unless you choose Form level processing. Inventory predefines a value of Immediate concurrent processing for this profile for all levels upon installation. This profile is updatable at all levels.

For more information please refer to Inventory User Guide : Inventory Profile Options.

3.9 Considerations for Future Upgrade Paths

The following are considerations for future System-Level upgrades:

- System Profiles
- Enabled Workflows
- Employees and Security
- Multicurrency capabilities
- Customization Issues

4

Enterprise Installed Base API

This documents describes the Workforce Management APIs for Oracle Enterprise Installed base.

You can use external Workforce Management System along with Enterprise Installed Base. eIB has an ability to integrate with the external WFM applications through the APIs. Call these APIs to update eIB when the item is Installed or Un-installed, when the item is put In-service or out of service and when the item is out of service or item is moved.

4.1 Enterprise Installed Base Public Package

The APIs provided for the new Enterprise Installed Base are organized into the following package :

CSE_WFMSG_TRX_PKG: Contains all procedures to manage item instances for workforce management transactions.

The following table shows the Asset Creation screen used to defining asset generation in CRL Projects:

Define

Table 4–1 CSE_WFMSG_TRX_PKG APIs

Name	Description
Proj_Item_Installed	The prerequisite is that you must have an instance with the usage code 'In-process' for the item you are trying to install. This procedure creates/updates the item instance with the usage code 'Installed', location type code from 'Project' to 'Hz_locations'. If there is an existing instance with usage code 'Installed', then it updates the same or otherwise it will create a new instance

Table 4–1 CSE_WFMSG_TRX_PKG APIs

Name	Description
Proj_Item_Uninstalled	The prerequisite is that you must have an instance with the usage code 'Installed' for the item you are trying to uninstall.This procedure updates the item instance with usage code 'In-Process', location type code from 'Hz_ locations' to 'Project' .
Proj_Item_In_Service	The prerequisite is that you must have an instance with the usage code 'Installed' for the item you are trying to put into service.This procedure creates/updates the item instance with Usage code 'In-service'. If there is an existing instance with usage code 'In-service', then it updates the same or otherwise it will create a new instance.This procedure creates expenditure items in the projects interface table.The transactions created by this procedure will be used by 'Create Assets for Normal Items ' program.
In_Service	The prerequisite is that you must have an instance with the usage code 'Out of Service'' for the item you are trying to put in service.This procedure creates/updates the item instance with Usage code 'In-service'. If there is an existing instance with usage code 'In-service', then it updates the same or otherwise it will create a new instance.
Out_Of_Service	The prerequisite is that you must have an instance with the usage code 'In Service'' for the item you are trying to put out of service.This procedure creates/updates the item instance with Usage code 'Out of Service'. If there is an existing instance with usage code 'Out of Service', then it updates the same or otherwise it will create a new instance.

Table 4–1 CSE_WFMSG_TRX_PKG APIs

Name	Description
Item_Move	The prerequisite is that you must have an instance with the usage code 'Out of Service'' for the item you are trying to move.This procedure creates/updates the network location of the item instance with Usage code 'Out of Service' . If there is an existing instance with usage code 'Out of Service',network location as 'From Network Location', then it updates the network location with 'To Network Location' or otherwise it will create a new instance with usage code 'Out of Service',network location as 'To Network Location'.The transactions created by this procedure will be used by the 'Interface Move Transactions to Fixed Assets' concurrent program.

4.2 Package CSE_WFMSG_TRX_PKG

Contains all APIs for instance management for workforce management transactions.

- Proj_Item_Installed
- Proj_Item_Uninstalled
- Proj_Item_In_Service
- In_Service
- Out_Of_Service
- Item_Move

4.2.1 Proj_Item_installed

Procedure Proj_Item_Installed

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,

```
p_project_id              IN    NUMBER,
p_task_id                 IN    NUMBER,
p_network_loc_code        IN    VARCHAR2,
p_work_order_number       IN    VARCHAR2
p_transaction_date        IN    DATE,
p_transacted_by           IN    NUMBER,
p_return_status           OUT   VARCHAR2,
p_error_msg               OUT   VARCHAR2)
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task
p_network_ loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_work_ order_number	VARCHAR2	NULL		Work order number

Parameter	Data Type	Null	Required	Description and Validations
p_ transaction_ date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_ by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Paramaters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message

4.2.2 Proj_Item_Uninstalled

Procedure Proj_Item_Uninstalled

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,
p_project_id IN NUMBER,

```
p_task_id                IN    NUMBER,
p_network_loc_code       IN    VARCHAR2,
p_work_order_number      IN    VARCHAR2,
p_transaction_date       IN    DATE,
p_transacted_by          IN    NUMBER,
p_return_status          OUT   VARCHAR2,
p_error_msg              OUT   VARCHAR2)
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task
p_network_ loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_work_ order_number	VARCHAR2	NULL		Work order number
p_ transaction_ date	DATE	NOT NULL	YES	Date of the transaction

Parameter	Data Type	Null	Required	Description and Validations
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message

4.2.3 Proj_Item_In_Service

Procedure Proj_Item_In_Service

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,
p_effective_date IN DATE,
p_project_id IN NUMBER,
p_task_id IN NUMBER,
p_network_loc_code IN VARCHAR2,

```
 p_work_order_number    IN    VARCHAR2,
 p_transaction_date     IN    DATE,
p_transacted_by         IN    NUMBER,
p_return_status         OUT   VARCHAR2,
p_error_msg             OUT   VARCHAR2)
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_effective_ date	DATE	NOT NULL	YES	Date the asset was placed in service
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task
p_network_ loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_work_ order_number	VARCHAR2	NULL		Work order number

Parameter	Data Type	Null	Required	Description and Validations
p_ transaction_ date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_ by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message

4.2.4 In_Service

Procedure In_Service

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,

```
p_network_loc_code      IN    VARCHAR2,
p_work_order_number     IN   VARCHAR2,
p_transaction_date      IN    DATE,
p_transacted_by         IN    NUMBER,
p_return_status         OUT   VARCHAR2,
p_error_msg             OUT   VARCHAR2)
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_network_ loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_work_ order_number	VARCHAR2	NULL		Work order number
p_ transaction_ date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_ by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message

4.2.5 Out_Of_Service

Procedure Out_Of_Service

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,
p_network_loc_code IN VARCHAR2,
p_work_order_number IN VARCHAR2,
p_transaction_date IN DATE,
p_transacted_by IN NUMBER,
p_return_status OUT VARCHAR2,
p_error_msg OUT VARCHAR2)

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_network_ loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_work_ order_number	VARCHAR2	NULL		Work order number
p_ transaction_ date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_ by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message

4.2.6 Item_Move

Procedure Item_Move

(p_item_id IN NUMBER,
p_revision IN VARCHAR2,
p_lot_number IN VARCHAR2,
p_serial_number IN VARCHAR2,
p_quantity IN NUMBER,
p_from_network_loc_code IN VARCHAR2,
p_to_network_loc_code IN VARCHAR2,
p_work_order_number IN VARCHAR2,
p_transaction_date IN DATE,
p_transacted_by IN NUMBER,
p_return_status OUT VARCHAR2,
p_error_msg OUT VARCHAR2)

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL	YES	Item revision code
p_lot_number	VARCHAR2	NULL	YES	Lot number
p_serial_ number	VARCHAR2	NULL	YES	Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted

Parameter	Data Type	Null	Required	Description and Validations
p_from_network_loc_code	VARCHAR2	NOT NULL		CLLI code from HZ_LOCATIONS
p_to_network_loc_code	VARCHAR2	NOT NULL	YES	CLLI code from HZ_LOCATIONS
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - Unexpected error
p_error_msg	VARCHAR2	The error message