Oracle® Inventory User's Guide

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Preface

Audience for This Guide

Welcome to Release 11*i* of the Oracle Inventory User's Guide.

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

- The principles and customary practices of your business area
- Oracle Inventory

  If you have never used Oracle Inventory, we suggest you attend one or more of the Oracle Inventory 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 guide contains the information you need to understand and use Oracle Inventory.

This preface explains how this user guide is organized and introduces other sources of information that can help you. This guide contains the following chapters:

- Chapter 1 provides information about setting up Inventory as well as other integrated Oracle Applications

  Implementation information and procedures are contained in this chapter.
- Chapter 2 shows how Inventory represents your company's inventory sites and business units. This includes defining organizations, locations, subinventories, and locators depending on your company structure.
- Chapter 3 describes methods for defining and manipulating units of measure, and how to convert between the units you define.
- Chapter 4 discusses control and reference options that you must establish before defining items. These enable you to maintain, group, reference, query, and delete your items.

- Chapter 5 tells you how to define and control items that you stock in inventory. Once defined, you assign items to organizations. You choose whether to have centralized or decentralized control of your items through a variety of item attributes.
- Chapter 6 describes controls and options that you must set before performing inventory transactions.
- Chapter 7 describes the transactions, views, and reports used to maintain inventory control from the time you receive items to the time you ship finished goods to the customer.
- Chapter 8 discusses the windows you can use to view on–hand quantities, reservations, supply / demand, available to promise, supply chain available to promise, and capable to promise information.
- Chapter 9 shows you how you can manage your inventory levels using any combination of min–max planning, reorder point planning, and a replenishment system for generating orders.
- Chapter 10 provides the features you need to summarize costs related to inventory and manufacturing activities for a given accounting period and distribute those costs to the general ledger.
- Chapter 11 describes Inventory's ABC features through which you can determine the relative value of a group of inventory items based on a user–specified valuation criterion.
- Chapter 12 explains defining, scheduling, generating, approving, and purging cycle counts.
- Chapter 13 covers physical inventories from their definition and generation of tags, through counting and adjustments, to purging physical inventory information.
- Chapter 14 describes the Inventory reports.

Finding Out What's New

From the HTML help window for Oracle Inventory, choose the section that describes new features or what's new from the expandable menu. This section describes:

- New features in 11*i*. This information is updated for each new release of Oracle Inventory.

- Information about any features that were not yet available when this user guide was printed. For example, if your system administrator has installed software from a mini pack as an upgrade, this document describes the new features.

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 Inventory.

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

Online Documentation

All Oracle Applications documentation is available online (HTML and PDF). The technical reference guides are available in paper format only. Note that the HTML documentation is translated into over twenty languages.

The HTML version of this guide is optimized for onscreen reading, and you can use it to follow hypertext links for easy access to other HTML guides in the library. When you have an HTML window open, you can use the features on the left side of the window to navigate freely throughout all Oracle Applications documentation.

- You can use the Search feature to search by words or phrases.
- You can use the expandable menu to search for topics in the menu structure we provide. The Library option on the menu expands to show all Oracle Applications HTML documentation.

You can view HTML help in the following ways:

- From an application window, use the help icon or the help menu to open a new Web browser and display help about that window.
- Use the documentation CD.
- Use a URL provided by your system administrator.

Your HTML help may contain information that was not available when this guide was printed.

Related User Guides

Oracle Inventory shares business and setup information with other Oracle Applications products. Therefore, you may want to refer to other user guides when you set up and use Oracle Inventory.

You can read the guides 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.

User Guides Related to All Products

Oracle Applications User Guide

This guide explains how to navigate the system, enter data, and query information, and introduces other basic features of the GUI available with this release of Oracle Inventory (and any other Oracle Applications product).

You can also access this user guide online by choosing "Getting Started and Using Oracle Applications" from the Oracle Applications help system.

Oracle Alert User Guide

Use this guide to define periodic and event alerts that monitor the status of your Oracle Applications data.

Oracle Applications Implementation Wizard User Guide

If you are implementing more than one Oracle product, you can use the Oracle Applications Implementation Wizard to coordinate your setup activities. This guide describes how to use the wizard.

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*. It also provides information to help you build your

custom Oracle Developer forms so that they integrate with Oracle Applications.

Oracle Applications User Interface Standards

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.

User Guides Related to This Product

Oracle Advanced Supply Chain Planning and Oracle Global ATP Server User's Guide

This guide describes how to use Oracle's Internet–based planning solution for supply chain planning performance.

Oracle Applications Flexfields Guide

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

BIS 11*i* User Guide Online Help

This guide is provided as online help only from the BIS application and includes information about intelligence reports, Discoverer workbooks, and the Performance Management Framework.

Oracle Bills of Material User's Guide

This guide describes how to create various bills of materials to maximize efficiency, improve quality and lower cost for the most sophisticated manufacturing environments. By detailing integrated product structures and processes, flexible product and process definition, and configuration management, this guide enables you to manage product details within and across multiple manufacturing sites.

Oracle Business Intelligence System Implementation Guide

This guide provides information about implementing Oracle Business Intelligence (BIS) in your environment.

Oracle Flow Manufacturing User's Guide

This guide describes how to use Oracle Flow Manufacturing functionality to support the processes of flow manufacturing. it describes design features of demand management, line design, and balancing, and kanban planning. It also describes production features of line scheduling, production, and kanban execution.

- *Using Oracle HRMS – The Fundamentals*, which explains how to set up organizations and site locations.
- *Managing People Using Oracle HRMS*, which explains how to enter employees and track employee data.
- *Running Your Payroll Using Oracle HRMS*, which explains how to set up payroll, do withholding, run statutory reports, and pay employees.
- *Managing Compensation and Benefits Using Oracle HRMS*, which explains how to set up Total Compensation, including 401(k), health, and insurance plans.
- *Customizing, Reporting, and System Administration in Oracle HRMS*, which explains how to customize the system and design reports.

Oracle Order Management User's Guide

This guide describes how to enter sales orders and returns, copy exisiting sales orders, schedule orders, release orders, create price lists and discounts for orders, run processes, and create reports.

Oracle Purchasing User's Guide

This guide describes how to create and approve purchasing documents, including requisitions, different types of purchase orders, quotations, RFQs, and receipts. This guide also describes how to manage your supply base through agreements, sourcing rules and approved supplier lists. In addition, this guide explains how you can automatically create purchasing documents based on business rules through integration with Oracle Workflow technology, which automates many of the key procurement processes.

Oracle Shop Floor Management User's Guide

This guide describes how to manage different stages of a product as it moves through the shop floor., including dynamic network routings, lot transactions, lot genealogy, co–product functionality, and costing information.

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.

Installation and System Administration Guides

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, and major issues, for Applications–wide features such as Business Intelligence (BIS), languages and character sets, and self–service 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 One–Hour Install, which minimizes the time it takes to install Oracle Applications and the Oracle 8*i* Server technology stack by automating many of the required steps. This guide contains instructions for using Oracle One–Hour Install and lists the tasks you need to perform to finish your installation. You should use this guide in conjunction with individual product user guides and implementation guides.

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 in general and lists database upgrade and product–specific upgrade tasks. You must be at either 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 AutoInstall, AutoPatch, AD Administration, AD Controller, Relink, and others. It contains how–to steps, screenshots, and other information that you need to run the AD utilities.

Oracle Applications Product Update Notes

Use this guide as a reference if you are responsible for upgrading an installation of Oracle Applications. It provides a history of the changes to individual Oracle Applications products between Release 11.0 and Release 11*i*. It includes new features and enhancements and changes made to database objects, profile options, and seed data for this interval.

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 processing.

You can order a technical reference guide for any product you have licensed. Technical reference guides are available in paper format only.

Training and Support

Training

We offer a complete set of training courses to help you and your staff master Oracle Applications. We can help you develop a training plan that provides thorough training for both your project team and your end users. We will work with you to organize courses appropriate to your job or area of responsibility.

Training professionals can show you how to plan your training throughout the implementation process so that the right amount of information is delivered to key people when they need it the most. You can attend courses at any one of our many Educational Centers, or you can arrange for our trainers to teach at your facility. We also offer Net

classes, where training is delivered over the Internet, and many multimedia–based courses on CD. In addition, we can tailor standard courses or develop custom courses to meet your needs.

Support

From on–site support to central support, our team of experienced professionals provides the help and information you need to keep Oracle Inventory 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 Oracle server, and your hardware and software environment.

Do Not Use Database Tools to Modify Oracle Applications Data

We STRONGLY RECOMMEND that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications tables, unless we tell you to do so in our guides.

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 an Oracle Applications form can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications forms, you might 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 forms to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. But, 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. Oracle Applications provides the E–business Suite, a fully integrated suite of more than 70 software modules for financial management, Internet procurement, business intelligence, supply chain management, manufacturing, project systems, human resources and sales and service management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers, and personal digital assistants, enabling 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 application products, along with related consulting, education and support services, in over 145 countries around the world.

Your Feedback

Thank you for using Oracle Inventory and this user guide.

We value your comments and feedback. This guide contains a Reader's Comment Form you can use to explain what you like or dislike about Oracle Inventory or this user guide. Mail your comments to the following address or call us directly at (650) 506–7000.

Oracle Applications Documentation Manager
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Or, send electronic mail to **appsdoc@us.oracle.com**.

CHAPTER

1

Setting Up

This chapter provides information about setting up Oracle Inventory as well as other integrated Oracle Applications, including these topics:

- Overview of Setting Up: page 1 – 2
- Setup Steps: page 1 – 10

Overview of Setting Up

This section contains an overview of each task you need to complete to set up Oracle Inventory.

Oracle Applications Implementation Wizard

If you are implementing more than one Oracle Applications product, you may want to use the Oracle Applications Implementation Wizard to coordinate your setup activities. The Implementation Wizard guides you through the setup steps for the applications you have installed, suggesting a logical sequence that satisfies cross–product implementation dependencies and reduces redundant setup steps. The Wizard also identifies steps that can be completed independently—by several teams working in parallel—to help you manage your implementation process most efficiently.

You can use the Implementation Wizard as a resource center to see a graphical overview of setup steps, read online help for a setup activity, and open the appropriate setup window. You can also document your implementation, for further reference and review, by using the Wizard to record comments for each step.

Set Up Oracle Applications Technology

The setup steps in this chapter tell you how to implement the parts of Oracle Applications specific to Oracle Inventory.

The Implementation Wizard guides you through the entire Oracle Applications setup, including system administration. However, if you do not use the Wizard, you need to complete several other setup steps, including:

- performing system–wide setup tasks such as configuring concurrent managers and printers
- managing data security, which includes setting up responsibilities to allow access to a specific set of business data and complete a specific set of transactions, and assigning individual users to one or more of these responsibilities

See Also

Oracle Applications Implementation Wizard User's Guide

Oracle Applications System Administrator's Guide

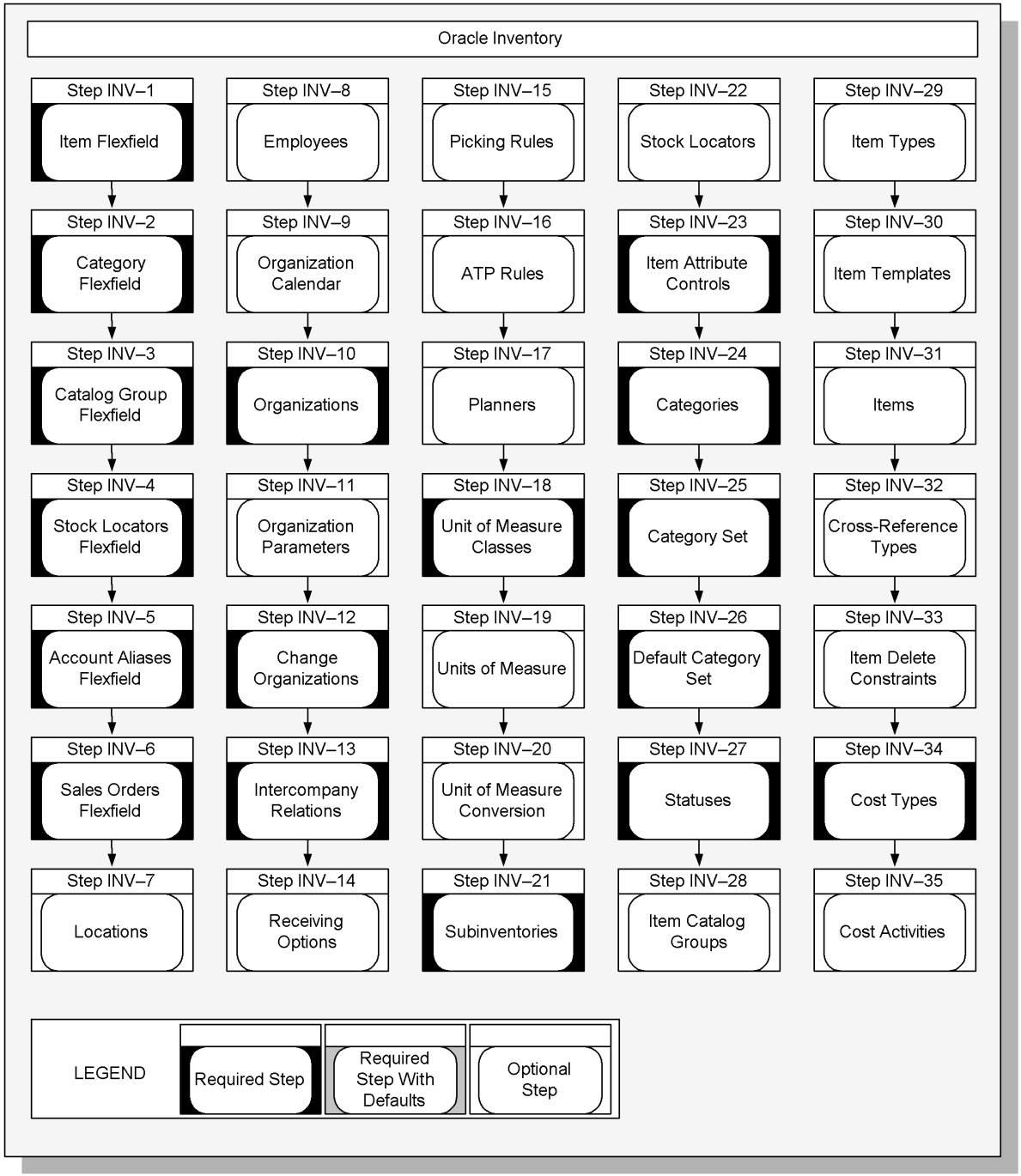
Before you set up Oracle Inventory, you should:

- Set up an Oracle Applications System Administrator responsibility. See: Setting Up Oracle Applications System Administrator, *Oracle Applications System Administrator's Guide*.
- Set up your Oracle Applications Set of Books. See: Defining Sets of Books, *Oracle General Ledger User's Guide*.

Setup Flowchart

Some of the steps outlined in this flowchart and setup checklist are Required and some are Optional. Required Step With Defaults means that the setup functionality comes with pre–seeded, default values in the database; however, you should review those defaults and decide whether to change them to suit your business needs. If you want or need to change them, you should perform that setup step. You need to perform Optional steps only if you plan to use the related feature or complete certain business functions.

You may not need to perform some of the setup steps if you have already performed a common–application setup (setting up multiple Oracle Applications products).


Oracle Inventory
Step INV–1
Item Flexfield
Step INV–2
Category Flexfield
Step INV–3
Catalog Group Flexfield
Step INV–4
Stock Locators Flexfield
Step INV–5
Account Aliases Flexfield
Step INV–6
Sales Orders Flexfield
Step INV–7
Locations
Step INV–8
Employees
Step INV–9
Organization Calendar
Step INV–10
Organizations
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Items
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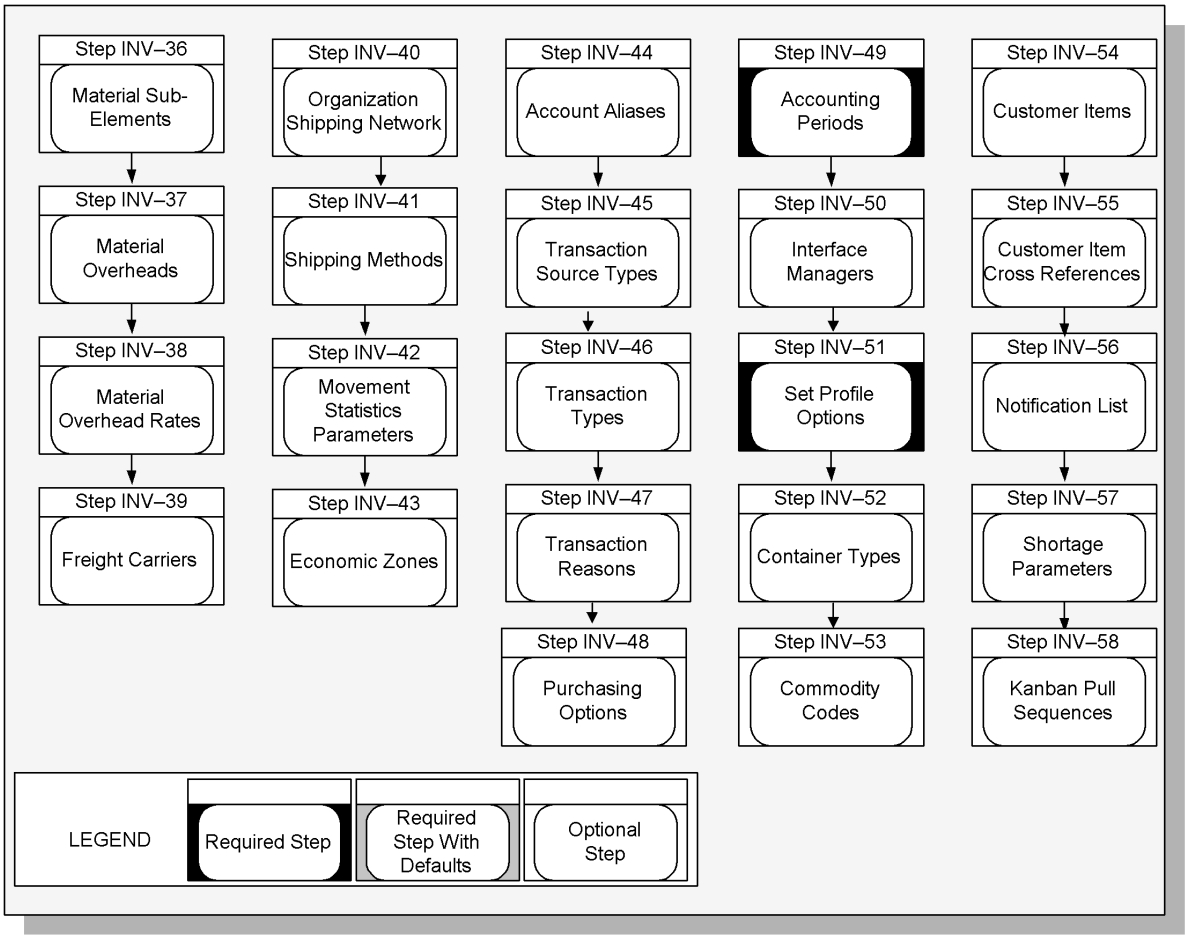
Cross-Reference Types
Step INV–33
Item Delete Constraints
Step INV–34
Cost Types
Step INV–35
Cost Activities
LEGEND
Required Step
Required Step With Defaults
Optional Step



Setup Checklist

The following table lists setup steps and a reference to their location within the Wizard. For a detailed description of AIW reference levels, see the *Oracle Applications Implementation Wizard User's Guide.* After you log on to Oracle Applications, complete these steps to implement Oracle Inventory:

Step No.	Required	Step Title	AIW Level
Step 1	Required	Define Items Flexfield	Common Applications

Step 2	Required	Define Item Categories Flexfield	Common Applications
Step 3	Required	Define Item Catalog Group Flexfield	Common Applications
Step 4	Required	Define Stock Locators Flexfield	Common Applications
Step 5	Required	Define Account Aliases Flexfield	Common Applications
Step 6	Required	Define Sales Orders Flexfield	Common Distribution
Step 7	Optional	Define Locations	Common Distribution
Step 8	Optional	Define Employees	Common Applications
Step 9	Optional	Define Organization Calendar	Common Applications
Step 10	Required	Define Organizations	Common Applications
Step 11	Optional	Define Organization Parameters	Common Applications
Step 12	Required	Change Organizations	Common Applications
Step 13	Required	Define Intercompany Relations	Common Distribution
Step 14	Optional	Define Receiving Options	Common Distribution
Step 15	Optional	Define Picking Rules	Common Applications
Step 16	Optional	Define ATP Rules	Common Applications
Step 17	Optional	Define Planners	Oracle Inventory
Step 18	Required	Define Unit of Measure Classes	Common Applications
Step 19	Optional	Define Unit of Measure	Common Applications
Step 20	Optional	Define Unit of Measure Conversions	Common Applications
Step 21	Required	Define Subinventories	Common Applications

Step 22	Optional	Define Stock Locators	Oracle Inventory
Step 23	Required	Define Item Attribute Controls	Oracle Inventory
Step 24	Required	Define Categories	Oracle Inventory
Step 25	Required	Define Category Set	Oracle Inventory
Step 26	Required	Define Default Category Sets	Oracle Inventory
Step 27	Required	Define Statuses	Common Applications
Step 28	Optional	Define Item Catalog Groups	Oracle Inventory
Step 29	Optional	Define Item Types	Oracle Inventory
Step 30	Optional	Define Item Templates	Oracle Inventory
Step 31	Optional	Define Items	Oracle Inventory
Step 32	Optional	Define Cross–Reference Types	Oracle Inventory
Step 33	Optional	Define Item Delete Constraints	Common Applications
Step 34	Required	Define Cost Types	Common Applications
Step 35	Optional	Define Cost Activities	Common Applications
Step 36	Optional	Define Material Sub–Elements	Common Applications
Step 37	Optional	Define Material Overheads	Common Applications
Step 38	Optional	Define Default Material Overhead Rates	Common Applications
Step 39	Optional	Define Freight Carriers	Common Applications
Step 40	Optional	Define Organization Shipping Network	Oracle Inventory
Step 41	Optional	Define Shipping Methods	Oracle Inventory

Step 42	Optional	Define Movement Statistics Parameters	Oracle Inventory
Step 43	Optional	Define Economic Zones	Oracle Inventory
Step 44	Optional	Define Account Aliases	Oracle Inventory
Step 45	Optional	Define Transaction Source Types	Common Applications
Step 46	Optional	Define Transaction Types	Common Applications
Step 47	Optional	Define Transaction Reasons	Common Applications
Step 48	Optional	Define Purchasing Options	Common Applications
Step 49	Required	Define Accounting Periods	Common Applications
Step 50	Optional	Request Interface Managers	Common Applications
Step 51	Required	Set Profile Options	Oracle Inventory
Step 52	Optional	Define Container Types	Common Distribution
Step 53	Optional	Define Commodity Codes	Common Distribution
Step 54	Optional	Define Customer Items	Common Distribution
Step 55	Optional	Define Customer Item Cross References	Common Distribution
Step 56	Optional	Define Notification List	Oracle Inventory
Step 57	Optional	Define Shortage Parameters	Oracle Inventory
Step 58	Optional	Define Kanban Pull Sequences	Oracle Inventory

Setup Steps

Step 1 Define Your System Items Flexfield (Required)

You must design and configure your System Items Flexfield before you can start defining items. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition.

All Oracle Applications products that reference items share the System Items Flexfield and support multiple segment implementations. Therefore, if you have already configured this flexfield while setting up another product, you do not need to perform this step.

For this and the following five steps, see: Oracle Inventory Flexfields: page B – 2, Key Flexfield Segments, *Oracle Flexfields User's Guide*, Key Segment Values, *Oracle Flexfields User's Guide*, and Value Sets, *Oracle Flexfields User's Guide*.

Step 2 Define Your Item Categories Flexfield (Required)

You must design and configure your Item Categories Flexfield before you can start defining items since all items must be assigned to categories. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition. Compiling the flexfield definition enables the Item Categories Flexfield pop–up window.

You can define multiple structures for your Item Categories Flexfield, each structure corresponding to a different category grouping scheme. You can then associate these structures with the categories and category sets you define.

Step 3 Define Your Item Catalog Group Flexfield (Required)

If you make entries for your items in a standard industry catalog or want to group your items according to certain descriptive elements, you need to configure your Item Catalog Group Flexfield. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you

assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition. Compiling the flexfield definition enables the Item Catalog Group Flexfield pop–up window.

Even if you do not use item cataloging, you must enable at least one segment and compile this flexfield before you can define items.

Step 4 Define Your Stock Locators Flexfield (Required)

If you keep track of specific locators such as aisle, row, bin indicators for your items, you need to configure your Stock Locators Flexfield and implement locator control in your organization. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition. Compiling the flexfield definition enables the Stock Locators Flexfield pop–up window.

Even if you do not implement locator control, you must still compile the Stock Locators Flexfield because all Oracle Inventory transaction and on–hand inquiries and reports require a frozen flexfield definition. However you do not need to configure the flexfield in a specific way.

Step 5 Define Your Account Aliases Flexfield (Required)

If you want to define logical references to frequently used account number combinations and use them as transaction source types, you need to configure your Account Aliases Flexfield and define account aliases. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition. Compiling the flexfield definition enables the Account Aliases Flexfield pop–up window.

Even if you do not use account aliases, you must still compile the Account Aliases Flexfield because all Oracle Inventory transaction inquiries and reports require a frozen flexfield definition. However, you do not need to configure the flexfield in a specific way.

Step 6 Define Your Sales Orders Flexfield (Required)

If you want to ship items from inventory to meet customer demand as specified in a sales order, regardless of whether you are using Oracle

Order Management, you must configure your Sales Orders Flexfield. You must indicate how many separate segments your flexfield has, how many characters each segment has, and whether you want to validate the values that you assign to the segments. Once you define the structure of your flexfield and any applicable value sets, you must freeze and compile your flexfield definition. Compiling the flexfield definition enables the Sales Orders Flexfield pop–up window.

Even if you do not ship items against sales orders, you must still compile the Sales Orders Flexfield because all Oracle Inventory transaction inquiries and reports require a frozen flexfield definition. However, you do not need to configure the flexfield in a specific way.

Step 7 Define Your Locations (Optional)

Define names and addresses for the locations you use within your organization as well as the location you use for the organization itself. Oracle Inventory and other Oracle Applications products use locations for requisitions, receiving, shipping, billing, and employee assignments. See: Setting Up Site Locations, *Oracle Human Resource Management Systems User's Guide*.

Step 8 Define Your Employees (Optional)

Enter the names, addresses, and other personal details of your employees. Oracle Inventory uses this information as the QuickPick source for employee fields in your application. Employee information is used primarily to record the employees who perform your cycle and physical inventory counts. See: Entering a New Person, *Oracle Human Resource Management Systems User's Guide*.

Step 9 Define Your Organization Calendar (Required)

If you perform inventory forecasting, reorder point planning, available to promise analysis, shortage messages or cycle counting, you must define your workday calendar. You can assign an exception set to denote holidays, scheduled maintenance, or extended downtime. When you complete defining your calendar, it is generated automatically. See: Creating a Workday Calendar, *Oracle Bills of Material User's Guide*.

Step 10 Define Your Organizations (Required)

Before you use Oracle Inventory, you need to define one or more organizations. Organizations describe distinct entities in your company and may include separate manufacturing facilities, warehouses,

distribution centers, and branch offices. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*

Since Oracle Inventory allows you to implement multiple sets of books with multiple organizations, you need to specify the set of books to which your organization is tied.

> **Caution:** In a multi–organization install, when you are defining inventory organizations you MUST specify the Operating Unit even though the field is not required.

After you have set up Oracle Inventory, you must specify an organization whenever you access Oracle Inventory; all subsequent activity uses this organization as your current organization. You may change your current organization at any time with the Change Organization window.

Step 11 Define Your Organization Parameters (Required)

You must define the control options and account defaults for your organization before you can define items or perform any transactions. You can assign a unique short code to your organization and use this code to identify the organization with which you want to work. You must also specify the master organization and the costing organization for your organization. See: Organization Parameters Window: page 2 – 4.

Step 12 Change Organizations (Required)

Normally, when you log in to Oracle Inventory, you are asked to choose an organization from among those you have defined. But when you set up Oracle Inventory for this first time, no organizations exist. So for the first several setup steps, until you define an organization and set parameters, Oracle Inventory operates with no specific organization chosen.

However, from this point on in the setup process, you need to identify a specific organization as your current organization. Change to one of the organization you created above, using the Change Organization window. Or, you can log out and log back in to Oracle Inventory, and let Inventory choose the first organization for you. See: Changing Your Organization, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Step 13 Define Your Intercompany Relations

If you want intercompany relations between two operating units (typically the Shipping and Selling organizations) in a multi–organization environment, you must define the relationship in the Intercompany Relations window. See: Defining Intercompany Relations: page 6 – 39.

Oracle Inventory and Oracle Receivables must be installed before you can define intercompany relations. If Oracle Payables is not installed, the fields in the AP Invoicing for Selling region are not required.

Step 14 Define Your Receiving Options (Optional)

If you perform inter–organization shipments using intransit inventory, you must use the Receipts window to receive items sent to your organization. Before you can receive items, you must define the options that govern receipts in your system. You can override some of the options you define at the item level. See: Defining Receiving Options, *Oracle Purchasing User's Guide*.

If you use Oracle Purchasing in conjunction with Oracle Inventory, you can also use the receiving system for purchase order receipts. You can then override most of the options you define at the supplier, purchase order, and item level.

Step 15 Define Your Picking Rules (Optional)

If you use Oracle Inventory and Oracle Shipping Execution to ship items to customers against sales orders, you must define picking rules. You assign a picking rule to an item to define the priorities that Oracle Inventory uses to pick units of that item for a sales order. When you pick release a sales order, Order Shipping Execution submits requests to Oracle Inventory which uses the information you enter here to generate pick lists for sales orders. See: Defining Picking Rules: page 4 – 25.

Step 16 Define Your ATP Rules (Optional)

If you check item availability in the future based on supply and demand information and various accumulation and consumption criteria, you must define available to promise (ATP) rules. ATP rules define the options Oracle Inventory uses to calculate the available quantity of an item on a requested date and / or the first date on which a requested quantity of an item first becomes available. See: Defining ATP Rules: page 8 – 31.

Step 17 Define Your Planners (Optional)

If you keep track of the names of the parties responsible for planning certain items or groups of items, you need to define planners. You can then assign these planning entities or planners to items. See: Defining Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*

Step 18 Define Your Unit of Measure Classes (Required)

You need to define unit of measure (UOM) classes and the base unit of measure for each class. UOM classes represent groups of units of measure with similar characteristics, such as Volume or Length. Oracle Inventory uses the base unit of measure to perform conversions between units of measure in each class and between two different UOM classes. See: Defining Unit of Measure Classes: page 3 – 3.

Step 19 Define Your Units of Measure (Required)

You need to define units of measure for tracking, moving, storing, and counting items. Each item that you define in Oracle Inventory must have a primary unit of measure and each transaction you perform in Oracle Inventory must have a unit of measure associated with the transaction quantity. See: Defining Units of Measure: page 3 – 5.

Step 20 Define Your Unit of Measure Conversions (Optional)

You need to define the conversion rates between the base unit of measure and other units of measure within a UOM class if you want to be able to transact an item in units of measure other than its primary unit of measure. Oracle Inventory uses these conversions to automatically convert transaction quantities to the primary unit of measure of the item being transacted. See: Defining Unit of Measure Conversions: page 3 – 7.

If you want to transact items in units of measure belonging to classes other than their primary UOM class, you must define conversions between the base units of measure in different UOM classes. Oracle Inventory uses this information to convert between units of measure belonging to different UOM classes. In other words, for a specific item, you can define conversion rates between unlike units of measure such as boxes and kilograms.

For example, you can specify that 1 EACH of item XYZ weighs 50 LB where item XYZ has EACH as its primary unit of measure. You can now transact item XYZ in LB, and Oracle Inventory converts the

transaction quantity to EACH and stores and updates the item quantity accordingly.

Step 21 Define Your Subinventories (Required)

You need to define at least one subinventory for each organization. A subinventory is a physical or logical grouping of your inventory, such as raw material, finished goods, defective material, or freezer compartment. You must move each item into, out of, or within a subinventory whenever you perform an inventory transaction. The number of subinventories that you define depends on the way you structure your organization. See: Defining Subinventories: page 2 – 27.

Step 22 Define Your Stock Locators (Optional)

If you implement prespecified locator control in your whole organization or in a particular subinventory, you must define stock locators. Locators identify physical areas within subinventories where you store items, such as rack / bin or aisle / row / bin locations. If you enable locator control, you must move each item into or out of a subinventory and locator combination whenever you perform an inventory transaction. See: Defining Stock Locators: page 2 – 34.

Step 23 Define Your Item Attribute Controls (Required)

You need to specify the level at which Oracle Inventory maintains each item attribute: the item master level or the item / organization level. Item attributes are information about an item, such as order cost, lead time, item status, revision control, tax code, list price, asset category, primary unit of measure, and so on. If you choose the item master level for a particular attribute, Oracle Inventory maintains the value of the attribute in the item master, and the value will be the same in every organization that uses the item master, in which the item exists, and does not allow updates at the item / organization level. Conversely, Oracle Inventory allows updates at the item / organization level for item attributes that you maintain at the item / organization level. See: Defining Item Attribute Controls: page 4 – 17.

Step 24 Define Your Categories (Required)

You must define categories to group items that share similar characteristics. You must define the flexfield structure to be used for each category you define. The flexfield structure you select for a category will determine how it may be grouped with other categories.

(Similar flexfield structures can be grouped.). See: Defining Categories: page 4 – 53.

Step 25 Define Your Category Set (Required)

You need to define category sets to create different category grouping schemes. Category sets group your categories into functional areas, such as inventory, cost, purchasing, order entry, and so on. You can associate different flexfield structures with each category set, thereby introducing different naming structures for your categories. You may only group categories with the same flexfield structure as the category set in a single category set. For example, the categories *metal*, *rubber*, and *paper* might be members of the **Inventory** category set, while *taxable* and *non–taxable* might be members of the **Cost** category set. You can also a create category set such as **Priority**, with members like *high*, *medium*, and *low* and use it as your personal item grouping mechanism for a report.

When you define items, you can assign one or more category sets to an item. Within a category set, you can assign multiple categories to an item. When you install or upgrade Oracle Inventory, Oracle provides the category set **Inventory** by default. When you upgrade Oracle Inventory from a previous version, your existing categories are assigned to this category set. See: Defining Category Sets: page 4 – 55.

Step 26 Define Your Default Category Sets (Required)

You need to define a default category set for each of the seven predefined functional areas. Oracle Inventory will automatically assign items defined for use by a particular functional area to the category set associated with the functional area. Oracle Inventory defaults the appropriate category set in all the category set fields in the products that correspond to the functional areas. You may choose the same category set for more than one functional area if you have identical ways of grouping your items across those functional areas. See: Defining Default Category Sets: page 4 – 60.

Step 27 Define Your Statuses (Required)

You need to define statuses that you can assign to items, denoting the level of activity you allow for them. A status is a set of Yes / No values for the status attributes. Status attributes are flags that exist for each functional area for which you enable an item: stockable, transactable, purchasable, build in WIP, customer orderable, internal orderable, BOM allowed, and invoice enabled. When you define an item, you can use

statuses to control the values of or provide default values for the status attributes. See: Defining Item Status Codes: page 4 – 21.

Step 28 Define Your Item Catalog Groups (Optional)

If you make entries for your items in a standard industry catalog or if you want to group your items according to certain descriptive elements, you need to define item catalog groups. An item catalog group consists of descriptive elements to which you assign certain sets of values. When you assign an item to an item catalog group, you can choose descriptive elements from the group and define values for each descriptive element.. See: Defining Item Catalog Groups: page 4 – 77.

For example, you can define an item catalog group called **bicycle**. You assign descriptive elements of *type*, *size*, and *color* to the group. In the Master Items window, you assign an item XYZ123 to the group **bicycle**, and choose values for each of the descriptive elements such as *racer, 20", red* or *mountain bike, 18", blue*. Now, you can reference your item by both the unique item number (XYZ123) and by the entry in the bicycle catalog (*racer, 20", red).*

Step 29 Define Your Item Types (Optional)

If you want to use your own terminology to identify the types of items you define, you need to define your own item types. Oracle Inventory provides several predefined item types such as finished goods, option class, kit, purchased item, and so on. You can choose one of the predefined item types when you define an item, or choose one of your own. Oracle Inventory also provides several item templates to match the predefined item types. You then use these templates and any other user–defined ones in defining your items. See: Defining Item Types: page 4 – 27.

Step 30 Define Your Item Templates (Optional)

If you define many items sharing the same values for a number of attributes, you may want to define item templates that help you avoid duplication of effort. An item template is a standard set of attribute values that you use to define or update items. When you apply a template to an item, you set the item attribute values to the template attribute values for those attributes you enable in the template. You can apply the same or different templates to an item any number of times. Each new template updates the item definition of those attributes that differ from the previous templates. If an attribute already exists for an

item, the more recent value (from the last template applied) overrides the previous value. See: Defining Item Templates: page 4 – 35.

For example, you apply a template that has unit of measure **EACH** and cycle count enabled **YES**. Then you apply a new template with cycle count enabled **NO** and carrying cost **$25.00**. The item definition now has three attributes and values: unit of measure **EACH**, cycle count enabled **NO**, and carrying cost **$25.00**.

Step 31 Define Items (Optional)

Use this form to define and update items and the attributes associated with them, such as description, lead time, unit of measure, lot control, and so on. See: Defining Items: page 5 – 6.

Step 32 Define Your Cross–Reference Types (Optional)

If you maintain relationships between your item numbers and other entities such as old item numbers, you need to define cross–reference types. Using these cross–reference types, you can define cross–references to store additional information about inventory items.

For example, you can create a cross–reference type OLD to track the old item numbers, and a type SUPPLIER to track supplier part numbers. You can then create a list of cross–references using the Cross–Reference Types window, linking your item numbers to their corresponding old part numbers, and / or their corresponding supplier part numbers. Oracle Inventory provides a report that lists all items and their corresponding cross–references. See: Defining Cross–Reference Types: page 4 – 39.

Step 33 Define Your Item Delete Constraints (Optional)

If you want to enforce specific business rules and add custom checks that will be performed before Oracle Inventory allows the deletion of an item, you must define item delete constraints to supplement the standard item delete conditions. Oracle Inventory prevents you from deleting items if your data does not meet these conditions. Oracle Inventory predefines several standard delete constraints: you cannot delete an item if there is a job or a repetitive schedule for it; you cannot delete an item if a sales order or purchase order references it, and so on. See: Creating Custom Delete Constraints, *Oracle Bills of Material User's Guide.*

Step 34 Define Your Cost Types (Required)

You need to define cost types before you can start entering item costs. A cost type is a set of costs, used for historical, current and future costs, as well as for simulation purposes. You can create as many cost types as you need, but Oracle Inventory is installed with three predefined cost types: Frozen, Average, and Pending. These are costs currently in use for an item and include material and overhead charges. See: Defining Cost Types, *Oracle Cost Management User's Guide.*

If you are using standard costing in your organization, all transactions use the frozen cost at the time of the transaction. You can update your frozen costs by performing a standard cost update. If your cost method is average costing, Oracle Inventory uses the Average cost type and automatically updates your average costs after the appropriate transactions. You can also define cost types of your own for any purpose such as cost history or product cost simulation. You can then submit many cost reports based on these cost types.

Step 35 Define Your Cost Activities (Optional)

If you measure the cost and performance of the work performed in your organization, you need to define your cost activities. Activities are processes or procedures that consume costs and time. In addition to the cost element and cost code, all costs are associated with an activity. Your activities may be directly related to building your items, such as run time or setup time, or they may be indirect, such as PO generation or payroll. The goal of activity based cost accounting is to accurately identify your product costs, especially overhead costs. See: Defining Activities and Activity Costs, *Oracle Cost Management User's Guide.*

Step 36 Define Your Material Sub–Elements (Optional)

If you need to have greater item cost visibility and flexibility, you may want to define material sub–elements. Sub–elements are a smaller classification of the cost elements. For every sub–element you define, you must enter the method of allocating the cost to the sub–element (basis type). See: Defining Material Sub–Elements, *Oracle Cost Management User's Guide.*

Step 37 Define Your Material Overheads (Optional)

If you keep track of overhead rates for your organization, you must define material overheads. You can define any number of material overheads, such as freight, customs, purchasing, and so on. Each overhead is charged when you receive items into inventory. You cannot

use material overheads in organizations that use average costing. See: Defining Overhead, *Oracle Cost Management User's Guide.*

Step 38 Define Your Default Material Overhead Rates (Optional)

If you use material overheads, you may want to enter default rates at the organization or category level. When you define your items, Oracle Inventory automatically uses these defaults. See: Defining Material Overhead Defaults, *Oracle Cost Management User's Guide.*

Step 39 Define Your Freight Carriers (Optional)

If you ship items from one inventory organization to another, and keep track of the names of and transportation costs charged by your carriers, you need to define freight carriers. Use these freight carriers whenever you perform direct inter–organization transfers or transfers via intransit inventory. Oracle Inventory automatically charges the freight costs to the freight carrier account you specify. See: Defining Freight Carriers: page 2 – 42.

Step 40 Define Your Organization Shipping Network (Optional)

If you want to move items from one inventory organization to another, you must define your shipping network. Specify the organizations to which you can ship from the organization you are currently in, choose whether you want to transfer items directly or via intransit inventory, and enter the accounting information for shipments between the two organizations. See: Defining Inter–Organization Shipping Network: page 6 – 27.

Step 41 Define Your Shipping Methods (Optional)

The Shipping Method code defines specific shipping methods. For example: Ground, Express, or Air. You can associate shipping methods with lead times in the Inter–org Shipping Methods window. See: Defining Shipping Methods: page 6 – 32.

Step 42 Define Your Movement Statistics Parameters (Optional)

If you plan to use movement statistics reporting, you must use the Movement Statistics Parameters window to define the parameters for gathering movement statistics. Inventory uses this information to validate entry of statistical movement transactions and to properly report the information. See: Defining Movement Statistics Parameters: page 6 – 36.

Step 43 Define Economic Zones (Optional)

If you plan to use movement statistics reporting, you must use the Economic Zones window to define the economic zones for which to collect Movement Statistics. See: Defining Economic Zones: page 6 – 34.

Step 44 Define Your Account Aliases (Optional)

You may define one or more account aliases to use when you perform miscellaneous issue or receipt transactions. An account alias is a logical reference to a frequently used account number combination. It is also a transaction source type of its own, thereby allowing you to query and report transactions using your user–friendly references to particular account numbers. See: Defining Account Aliases: page 6 – 24.

Step 45 Define Your Transaction Source Types (Optional)

You may define your own transaction source types to use while performing transactions. Transaction source types enable you to classify transactions according to their origins, such as purchase order, sales order, account number, physical inventory, and so on. Oracle Inventory provides several predefined source types: purchase order, sales order, account, job or schedule, account alias, internal requisition, internal order, cycle count, physical inventory, standard cost update, RMA and inventory. You may use a user–defined source type when you define a transaction type.

If you want to associate a list of valid sources with your transaction source type, you can create a value set that contains the values to choose from when you use that particular transaction source type in a transaction. For example, you can create a transaction source type called *Donation* along with a list of account numbers in the value set. See: Defining and Updating Transaction Source Types: page 6 – 12.

Step 46 Define Your Transaction Types (Optional)

If you want to use your own terminology for certain kinds of transactions, you need to define your own transaction types. You create a transaction type by combining a transaction source type with a transaction action. A transaction action is a predefined method of changing the quantity and / or location and / or cost of an item. For example, if you create a transaction type with the transaction action "Issue from stores", you can use that transaction type to enter an issue transaction. You may use one of six predefined transaction actions: issue from stores, subinventory transfer, direct organization transfer, intransit shipment, cost update and receipt into stores.

For example, you can create a transaction source type called *Donation* along with a list of account numbers in the value set. You can then create a transaction type called *Donation Receipt* by combining the transaction action *Receipt into stores* and the transaction source type *Donation*. Now you can perform a receipt transaction by choosing the *Donation Receipt* transaction type and an account number from the value set associated with the *Donation* transaction source type. See: Defining and Updating Transaction Types: page 6 – 19.

Step 47 Define Your Transaction Reasons (Optional)

If you want to associate a predefined explanation with each transaction that you enter, you need to define transaction reason codes. When you enter an inventory transaction you can choose one of the reason codes that you defined. You may then use these reason codes to view and report transactions. See: Defining Transaction Reasons: page 6 – 22.

Step 48 Define Your Purchasing Options (Optional)

If you perform inter–organization shipments using intransit inventory, you must use the Receipts window to receive items sent to your organization. You need to define certain default control options in the Purchasing Options window to save you time when you create your receipts. If you use Oracle Purchasing in conjunction with Oracle Inventory, you must define your purchasing options as one of the first steps in your implementation of Oracle Purchasing. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

Step 49 Open Your Accounting Periods (Required)

Before you can use Oracle Inventory to enter transactions, you need to open an accounting period. You must define your accounting periods in Oracle General Ledger, and open them for Oracle Inventory using the Inventory Accounting Periods window. Oracle Inventory allows you to have multiple periods open at any given time. See: Maintaining Accounting Periods: page 10 – 7.

Step 50 Request Your Interface Managers (Optional)

You must start your material transaction and material cost interface managers if you want to perform transactions in the background or concurrent processing modes, or if you use custom forms and data collection devices to enter transactions. If you prefer to perform all your transactions on–line, then you do not need to start any interface managers. See: Launching Transaction Managers: page 6 – 7.

Step 51 Set Profile Options (Required)

Profile options specify how Oracle Inventory controls access to and processes data. In general, profile options can be set at one or more of the following levels: site, application, responsibility, and user.

Oracle Inventory users use the Personal Profile Values window to set profile options only at the user level. System administrators use the System Profile Values window to set profile options at the site, application, responsibility, and user levels. See: Oracle Inventory Profile Options: page 1 – 26.

Step 52 Define Your Container Types (Optional)

Container Types are used in defining physical attributes of items. See: Defining Container Types: page 4 – 19.

Step 53 Define Your Commodity Codes (Optional)

Customer Item Commodity Codes are used to group customer items and can be entered during the definition of customer items. See: Defining Commodity Codes: page 4 – 43.

Step 54 Define Your Customer Items (Optional)

If you need to track the item numbers used by your customers, you must define these items as customer items in Inventory. See: Defining Customer Items: page 4 – 45.

Step 55 Define Your Customer Item Cross References (Optional)

If you want to relate customer items to your own item numbers, you must define customer item cross references. See: Defining Customer Item Cross References: page 4 – 49.

Step 56 Define Your Notification List (Optional)

If you want subinventory planners to be notified of approved move orders with material coming into or going out of their subinventories, you must define a list of individuals who will receive notification messages. See: Setting Up Move Orders: page 7 – 71.

Step 57 Define Shortage Parameters (Optional)

If you plan to use shortage messages, you must define demand sources and the individuals who will receive notification messages. See: Defining Shortage Parameters: page 2 – 39.

Step 58 Define Kanban Pull Sequences (Optional)

If you plan to use kanban functionality, you must define kanban pull sequences. Use the Kanban Pull Sequences window to define the source of replenishment for a kanban planned item in a kanban location. See: Defining Kanban Pull Sequences: page 9 – 40.

Inventory Profile Options

During implementation, you set a value for each user profile option to specify how Oracle Inventory controls access to and processes data.

Generally, the system administrator sets and updates profile values. See: Setting User Profile Options, *Oracle Applications System Administrator's Guide*.

Implementing Profile Options Summary

The table below indicates whether you (the User) can view or update the profile option and at which System Administrator levels the profile options can be updated: at the user, responsibility, application, or site levels. The second column, User, references the user, while the next four columns, User, Resp, App, and Site, reference the System Administrator. The last two columns, Required and Default Value, reference requirements.

A "Required" profile option requires you to provide a value. An "Optional" profile option already provides a default value, so you only need to change it if you don't want to accept the default.

Profile Option Settings

Profile Option	User	User	Resp	App	Site	Required?	Default Value
INV:Accounting Category Set	–	–	–	–	✓	Yes	*No default*
INV:Allow Expense to Asset Transaction	✓	✓	✓	✓	✓	Yes	Yes
INV:Capable to Promise	–	–	–	–	✓	Yes	*No default*
INV:Genealogy Delimiter	✓	✓	✓	✓	✓	Yes	–
INV:Round Reorder Qty	✓	✓	✓	✓	✓	Yes	Yes
INV:Genealogy Prefix or Suffix	✓	✓	✓	✓	✓	No	Prefix
INV:Intercompany Invoice for Internal Orders	–	–	–	–	✓	Yes	No
INV:Advanced Pricing for Intercompany Invoice	–	–	–	–	✓	Yes	No
INV:Default Item Status	✓	✓	✓	✓	✓	Yes	Active

Profile Option	User	User	Resp	App	Site	Required?	Default Value
INV:Default Primary Unit of Measure	✓	✓	✓	✓	✓	Yes	Each
INV:Dynamic Precision Option for Quantity on Reports	✓	✓	✓	✓	✓	Yes	–9,999,999.00
INV:External ATP	–	–	–	–	✓	Yes	*No default*
INV:Inter–Organization Currency Conversion	✓	✓	✓	✓	✓	Yes	Corporate
INV:Intercompany Currency Conversion	✓	–	✓	✓	✓	Yes	Corporate
INV:Item Master Flexfield	✓	✓	✓	✓	✓	Yes	*No default*
INV:Minmax Reorder Approval	✓	✓	✓	✓	✓	Yes	Approved
INV: Project Miscellaneous Transaction Expenditure Type	✓	✓	✓	✓	✓	Yes	*User Entered*
INV:RC Line Failure	✓	✓	✓	✓	✓	Yes	Continue Processing
INV:RC Requisition Approval	✓	✓	✓	✓	✓	Yes	Approved
INV: RPC Timeout	✓	✓	✓	✓	✓	Yes	300
INV:Restrict Receipt of Serials	✓	✓	✓	✓	✓	No	No
INV:Save Search Items	✓	✓	✓	✓	✓	Yes	No
INV:Transaction Date Validation	✓	–	✓	✓	✓	Yes	Allow Date In Any Open Period
INV: Use new Trx.Mngr. for processing	✓	✓	✓	✓	✓	No	Yes
INV:updateable Customer Item	✓	✓	✓	✓	✓	Yes	No
INV:updateable Item Name	✓	✓	✓	✓	✓	Yes	No
INV:Use catalog name in the item description	✓	–	–	–	✓	Yes	No
TP:INV Cycle Count Approvals form	✓	✓	✓	✓	✓	Yes	Online Processing
TP:INV Cycle Count Entries form	✓	✓	✓	✓	✓	Yes	Online Processing
TP:INV Enter Replenishment Count form	✓	✓	✓	✓	✓	Yes	Concurrent Processing
TP:INV Inter–Organization Transfer form	✓	✓	✓	✓	✓	Yes	Online Processing

Profile Option	User	User	Resp	App	Site	Required?	Default Value
TP:INV Miscellaneous Issue and Receipt form	✓	✓	✓	✓	✓	Yes	Online Processing
TP:INV Transaction Processing Mode	✓	✓	✓	✓	✓	Yes	Immediate Concurrent Processing
TP:INV Transfer Between Subinventories form	✓	✓	✓	✓	✓	Yes	Online Processing
TP:INV Update Average Cost form	✓	✓	✓	✓	✓	Yes	Online Processing
TP:Server Side Online Processing	✓	✓	✓	✓	✓	Yes	Yes
INV:Maximum Number of Quantity Trees	–	–	–	–	✓	Yes	500
INV:Product Family Item Template	–	✓	✓	✓	✓	Yes	Product Family
INV:CCEOI Commit Point	✓	✓	✓	✓	✓	Yes	*No default*
INV:CCEOI Workers	–	–	–	–	✓	Yes	*No default*
INV:Override Neg for Backflush	✓	✓	✓	✓	✓	Yes	Yes
INV: Quantity Tree Timeout for Lock	–	–	–	–	✓	Yes	*No default*
INV:Move Order Transact Form	✓	✓	✓	✓	✓	Yes	Online Processing
INV: VMI Enabled	–	–	–	–	✓	Yes	No
INV:Purchasing by Revision	✓	✓	✓	✓	✓	Yes	Yes
INV:Debug Trace	✓	✓	✓	✓	✓	Yes	*No default*
INV:Debug File (Including the complete path)	✓	✓	✓	✓	✓	Yes	*No default*
INV:Detect Truncation on UOM Conversion	–	–	–	–	✓	Yes	*No default*
INV:FIFO for Original Receipt Date	✓	✓	✓	✓	✓	Yes	No
INV: MGD Maximum Number of Workers Permitted	✓	✓	✓	✓	✓	Yes	*No default*
INV:Debug level	✓	✓	✓	✓	✓	Yes	*No default*
INV:Item Form Folder Category Set	✓	✓	✓	✓	✓	Yes	Null

✓	You can update the profile option.
–	You can view the profile option value, but you cannot change it.
0	You cannot view or change the profile option value.

Profile Options

Profile Option Name

INV:Accounting Category Set

Indicates the default category set for defining category account. This profile option references the 'Product Line Accounting' function area to retrieve the category set.

This profile is updateable only at the Site level.

INV:Allow Expense to Asset Transaction

Indicates whether you can transfer an item from an expensed subinventory to an asset location.

This profile is updateable at all levels.

INV:Capable to Promise

Indicates whether to enable the CTP calculation.

This profile has a predefined value of **NULL** (no predefined value) upon installation. This site level option determines how a promise data is derived. It can have the below values:

1	Enable Product Family ATP and CTP
2	Enable Product Family ATP
3	Enable ATP
4	ATP / CTP Based on Planning Output
5	ATP Based on Collected Data

This profile is updateable only at the site level.

INV:Genealogy Delimiter

Allows client to pick the character that appears between the item name and lot number in the genealogy tree. Any character can be used as a

delimiter. You can change the delimiter profile at any time. The default value is ”–”.

INV:Round Reorder Qty

This profile option provides the min–max reporting process with rounding options for reorder quantity. INV_ROUND_REORDER_QUANTITY accepts either ”Yes” or ”No” as values. The default value is ’Yes’ which means the REORDER QUANTITY is rounding UP. You need to set the value to ”No” to round down.

INV:Genealogy Prefix or Suffix

You use this to determine if and how the item number is displayed on the Object Genealogy form. The following values are possible:

Prefix	The Item number is a prefix to the lot /serial number
Suffix	ATP Based on Collected Data
None	ATP Based on Collected Data

INV:Intercompany Invoice for Internal Orders

You use this profile to enable creation of Intercompany Invoices for Internal Orders. This profile is used in a concurrent program to create accounts payable, and accounts receivable to decide if Internal Order transactions should be invoiced. A ”Yes” value enables creation of intercompany invoices. The default value is no.

This profile is updateable only at site level.

INV:Advanced Pricing for Intercompany Invoice

When you set this profile to ”Yes”, you can use the Advanced Pricing engine for Intercompany Invoicing. The default value is ”No”.

This profile is updateable only at site level.

INV:Default Item Status

Indicates the default item status for new items you define.

This profile is updateable at all levels.

INV:Default Primary Unit of Measure

Indicates the default primary unit of measure for new items you define.

This profile is updateable at all levels.

INV:Dynamic Precision Option for Quantity on Reports

Indicates the decimal precision for your unit costs. This controls how cost information is displayed on all cost reports. All reports display fourteen digits for unit costs, and display at least 16 digits for extended values.

Inventory predefines a value of *–9,999,990.00* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:External ATP

Indicates whether non–Oracle ATP products can be integrated with Oracle.

Set this profile option in the Source instance if the Source is 10.7 or 11.0. If you select 'Global ATP', the system uses the new Global Order Promising program. If you select 'None', the system uses the old ATP program. If you do not select a default value, the system assumes 'None' for 10.7 and 11.0 instances, and 'Global' ATP for the 11i instance.

This profile is updateable only at the site level.

INV:Inter–Organization Currency Conversion

Indicates the currency conversion for inter–organization transfers between organizations using different currencies. Available values are:

Corporate	An exchange rate you define to standardize rates for your company. The corporate exchange rate is generally a standard market rate determined by senior financial management for use throughout the organization.
Spot	An exchange rate you enter to perform conversion based on the rate on a specific date. It applies to the immediate delivery of a currency.
User	An exchange rate you specify when you enter a foreign currency journal entry that does not have a daily exchange rate.

Inventory predefines a value of *Corporate* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:Intercompany Currency Conversion

Indicates the currency conversion for intercompany invoices using different currencies. Available values are:

Corporate	An exchange rate you define to standardize rates for your company. The corporate exchange rate is generally a standard market rate determined by senior financial management for use throughout the organization.
Spot	An exchange rate you enter to perform conversion based on the rate on a specific date. It applies to the immediate delivery of a currency.
User	An exchange rate you specify when you enter a foreign currency journal entry that does not have a daily exchange rate.

Inventory predefines a value of *Corporate* for this profile upon installation.

The profile is updateable at the Site, Application, and Responsibility levels.

INV:Item Master Flexfield

Indicates which flexfield is used to define items in MTL_SYSTEM_ITEMS.

Inventory predefines a value of *System Items* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:Minmax Reorder Approval

Approved or *Incomplete* indicates the status of requisitions created by the Minmax Planning Report.

Inventory predefines a value of *Approved* for this profile for all levels upon installation. If you choose *Incomplete*, you can optionally load requisitions as unapproved and use the document approval functionality in Oracle Purchasing.

This profile is updateable at all levels.

INV:Project Miscellaneous Transaction Expenditure Type

Governs the entry of expenditure types for project miscellaneous transactions. Available values are:

System Derived from Cost Elements	You cannot enter expenditure types for project miscellaneous transactions. The Cost Collector uses the expenditure types linked to the cost elements of the current weighted average unit cost of the item to post to Projects.
User Entered	You must enter expenditure types for project miscellaneous transactions.

This profile is updateable at all levels.

INV:RC Line Failure

Indicates the action taken when a failure is detected while processing a replenishment count line. Available values are:

Continue processing	Other (successful) lines for the replenishment header are processed to requisition lines.
Halt processing	Do not process other (successful) lines for the replenishment header.

Inventory predefines a value of *Continue processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV: RC Requisition Approval

Indicates the status of Subinventory Replenishment requisitions created by the replenishment processor. Available values are:

Approved	Requisitions created by the replenishment processor are approved.
Unapproved	Requisitions created by the replenishment processor are not approved.

Inventory predefines a value of *Approved* for this profile for all levels upon installation. If you choose *Unapproved*, you can optionally load Subinventory Replenishment requisitions as unapproved and use the document approval functionality in Oracle Purchasing.

This profile is updateable at all levels.

RPC Timeout

Indicates the time in seconds the Item Supply / Demand form waits for a success message to be returned from a remote procedure call before it returns an error message. If INV: Use new Trx.Mngr. if processing is set to 'No'. This timeout is also applicable for online transactions.

Inventory predefines a value of 300 at the site level for this profile option upon installation.

This profile options is updateable at all levels.

INV: Restrict Receipt of Serials

Indicates whether two validation checks are performed for serial numbers, used in Oracle Work in Process.

Yes	A given serial number for a serialized component may not be received via purchase order receipt, miscellaneous receipt, or account alias receipt, if that same serial number has been issued to Oracle Work in Process. A given serial number for a serialized end–assembly may not be completed into Oracle Inventory via a Discrete Job, Repetitive Schedule, Flow Schedule, or Work Order–less Completion, if that same serial number has a state of 'Issued out of stores'.
No	No validations for serialized components and end–assemblies will be performed.

This profile option is updateable at all levels.

INV:Save Search Items

Indicates whether items returned by the Search Items window are saved on exit.

Inventory predefines a value of *N* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:Transaction Date Validation

Controls the date you can enter for transactions. Available values are:

Allow date in any open period	Allows entry of a past date if it is in an open period.
Do not allow past date	Does not allow entry of a date before the current date.
Do not allow date in past period	Allows entry of dates in the current period only.
Provide warning when date in past period	Allows entry of dates in prior periods after a warning.

Inventory predefines a value of *Allow date in any open period* for all levels upon installation.

The profile is updateable at the Site, Application, and Responsibility levels.

Use new Trx.Mngr for Processing

There are two transaction managers in inventory. You have the option to user either for transactions processed in the background. Transactions processed online or with immediate concurrent always as Inventory recommends the new manager. If it is set to No, Inventory uses the old transaction manager.

The setting of this option does not affect certain transactions such as WIP and receiving transactions. All mobile WIP and VMI Receiving transactions use the new transaction manager. All desktop WIP and non–VMI Receiving transactions use the old transaction manager.

This profile is updateable at all levels.

INV:Updateable Customer Item

This profile option controls whether the system enables you to change the Customer Item Name after you save it. If you set the value to 'No' prevents you from altering the Customer Item Name after the initial save.

The default is *No.*

This profile is updateable at all levels.

INV:updateable Item Name

This profile option controls whether the system enables you to change the Item Name after you save it. If you set the value to 'No' prevents you from altering the Item Name after the initial save.

Inventory predefines a value of *No* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:Use catalog name in the item description

Indicates whether to use the catalog name or the catalog description as the first element of a concatenated item catalog description. Available values are:

No	Catalog description
Yes	Catalog name

Inventory predefines a value of *No* for this profile for all levels upon installation.

This profile is updateable only at the Site level.

TP:INV Cycle Count Approvals form

Indicates processing control of cycle count approvals in the Cycle Count Approvals window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The cycle count transactions are executed on a periodic basis. Displays the concurrent request number representing the concurrent process executing the cycle count transactions.
On–line processing	Processes your cycle count transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Cycle Count Entries form

Indicates the processing control of cycle count entries in the Cycle Count Entries window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The cycle count transactions are executed on a periodic basis. Displays the concurrent request number representing the concurrent process executing the cycle count transactions.
On–line processing	Processes your cycle count transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Enter Replenishment Count form

Indicates processing control in the Enter Replenishment Count window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The replenishment count transactions are executed on a periodic basis.
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 representing the concurrent process executing the replenishment count transactions.

Inventory predefines a value of *Concurrent processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Inter–Organization Transfer form

Indicates the processing control of inter–organization transfers in the Inter–Organization Transfer window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The inter–organization transfer transactions are executed on a periodic basis.
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 representing the concurrent process executing the inter–organization transfer transactions.
On–line processing	Processes your inter–organization transfer transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Miscellaneous Issue and Receipt form

Indicates the processing control of miscellaneous issues and returns in the Miscellaneous Issue window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The miscellaneous issue and receipt transactions are executed on a periodic basis.
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 representing the concurrent process executing the miscellaneous issue and receipt transactions.
On–line processing	Processes your miscellaneous issue and receipt transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

On–line processing	Processes your customer return transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Transaction Processing Mode

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

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 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 transaction.
Form level processing	Processes transactions using the processing control option you choose for that particular type of transaction. 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 updateable at all levels.

TP:INV Transfer Between Subinventories form

Indicates the processing control of transferring items between subinventories in the Subinventory Transfer window. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The transfer between subinventories transactions are executed on a periodic basis.
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 representing the concurrent process executing the transfer between subinventories transactions.
On–line processing	Processes your transfer between subinventories transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Update Average Cost form

Indicates the processing control for updating average costs. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The update average costs transactions are executed on a periodic basis.
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 representing the concurrent process executing the update average costs transactions.
On–line processing	Processes your update average costs transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:Server Side Online Processing

Indicates whether Inventory and Work–in–Process transactions using on–line processing are processed on the server or client side.

Inventory predefines a value of *Yes* for this profile for all levels upon installation.

This profile is updateable at all levels.

TP:INV Move Order Transact

Indicates the move order transaction mode. Available values are:

Background processing	Upon commit, control returns immediately to you, allowing you to continue working. The update average costs transactions are executed on a periodic basis.
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 representing the concurrent process executing the update average costs transactions.
On–line processing	Processes your update average costs transactions while you wait, and control is returned once transaction processing is completed.

Inventory predefines a value of *On–line processing* for this profile for all levels upon installation.

This profile is updateable at all levels.

INV:VMI Enabled

Functionally for vendor managed inventory, or VMI, has been added with Family pack 'H' of Oracle Inventory and Oracle Purchasing. Both products must be at 'H' level or above for the VMI features to function correctly. The profile options is defaulted to No when Purchasing 'H' is installed. Upon installation of Inventory 'H' the profile option is automatically set to yes.

The profile option is updateable at site level. You should update it manually only if the automatic changes fails to occur.

INV:Maximum Number of Quantity Trees

Indicates the maximum number of memory data structures that will be used to capture on–hand quantity information.

Inventory predefines a value of *500* for this profile option upon installation.

This profile is updateable at the Site level.

INV:Product Family Item Template

Indicates the template to be applied when you define a product family item.

Inventory predefines a value of *Product Family* for this profile option upon installation.

This profile is updateable at all System Administrator levels.

INV:CCEOI Commit Point

Indicates whether you want to commit the cycle count entries open interface records into the database.

This profile is updateable at all levels.

INV:CCEOI Workers

Indicates the number of workers to be processed when running the cycle count entries open interface.

This profile is updateable at the site level.

INV:Override Neg for Backflush

Indicates whether backflush transactions can drive the inventory negative even if the inventory organization parameter Allow Negative Balances is unchecked.

Inventory predefines a value of *Yes* for this profile option upon installation. A value of *No* does not allow backflush transactions to drive on–hand inventory negative even when the inventory organization parameter Allow Negative Balances is checked.

This profile is updateable at all levels.

Quantity Tree Timeout for Lock

When an item is pick released the quantity tree for that item is locked so no other processes can allocate the same item. If the quantity tree is locked by a different pick release batch, pick release waits until the lock

is released. This profile determines how long the pick release process waits for the lock to be released. Once the time indicate is exceeded, the pick release batch errors out. This avoids deadlocks during the pick release process.

This profile is updateable at the site level only.

INV:Purchasing by Revision

This profile determines the purchasing interfaces tables that are populated with revision information from Oracle Inventory. If you set the profile to 'Yes', the revision information passes to the purchasing interface tables whenever you create a requisition in Inventory. If you set the profile to 'No', it creates the requisition without revision information.

This profile is updateable at all levels.

INV:Debug Trace

This profile specifies if Inventory and WMS transaction activities are logged to a debug file. You set the value to 'Yes' to enable logging. You set the value to 'No' to disable logging.

This profile is updateable at all levels.

INV:Debug File (Including the complete path)

This is the path and filename of the file where Oracle Inventory writes debug messages. You must configure the directory in the database within the v$parameter list for 'utl_file_dir'. If you set the INV:Debug Trace profile to 'Yes', Oracle Inventory attempts to update this file with debug messages. It is critical that you grant read / write access to the specified file. If Oracle Inventory cannot write to this file, transactions may fail.

This profile is updateable at all levels.

INV:Detect Truncation on UOM Conversion

This profile is not used in any Inventory procedures. It is used to provide uniform decimal precision across Oracle applications.

A transacted item quantity is converted from the transacted unit of measure to the primary unit of measure. If this profile is set to 1, the whole number will have less than 10 digits in the primary unit of measure, and the fractional portion of the number will have less than nine digits.

This profile is updateable at the Site level.

INV:FIFO for Original Receipt Date

This profile is used to control how the system tracks receipt dates for on–hand records. A value of 'Yes' indicates that the on–hand record from a material transfer should retain the original receipt date. A value of 'No' indicates the receipt date of on–hand records created from material transfers should be reset to the transfer date.

This profile option is relevant if any inventory allocation rules use Receipt Date. Inventory redefines a value of 'No' for this profile option upon installation.

This profile is updateable at all levels.

INV: MGD Maximum Number of Workers Permitted

This option is used for item attribute copy. This feature allows you to select a subset of an item's attributes to be mass copied to a number of items. The form submits a concurrent request. The profile determines the maximum number of calls to item import that is processed to fulfill the copy request.

INV:Debug Level

Determines the amount of detail printed to the Oracle Inventory debugging log file. Level 9 is the highest level of logging supported.

This profile is updateable at all levels.

INV:Item Form Folder Category Set

If the profile has an assigned value, the Master Items form Folder tab displays an editable Category field. When you save an item, it is assigned to a category set defined in the profile options.

The Default value is Null

This profile is updateable at all levels.

See Also

Overview of User Profiles, *Oracle Applications User's Guide*

Setting Your Personal User Profile, *Oracle Applications User's Guide*

Common User Profile Options, *Oracle Applications User's Guide*

Profile Options in Oracle Application Object Library, *Oracle Applications User's Guide*

Setting Transaction Processing Profile Options: page 6 – 4.

CHAPTER

2 Inventory Structure

Overview of Inventory Structure

You must plan how Oracle Inventory represents your company's inventory sites and business units. This includes defining organizations, locations, subinventories, and locators depending on your company structure. You also must plan how to implement certain parameters and what level of the structure controls them.

Prerequisites

Before you define inventory structures you should define your set of books and set up required key flexfields. See: Setting Up Oracle Inventory, *Oracle Manufacturing Implementation Manual*.

Steps Involved

- Define locations to use for a variety of functions including receiving and default delivery locations. See: Setting Up Site Locations, *Oracle Human Resource Management Systems User's Guide*.
- Define organizations that represent inventory entities (manufacturing facility, warehouse, branch office) in your company. All activity must reference an organization. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.
- Enter employee information. This information is the source for lists of values for employee fields throughout the application. See: Entering a New Person, *Oracle Human Resource Management Systems User's Guide*.
- Define a workday calendar, also called the manufacturing calendar, that each organization references for planning and scheduling activities. See: Creating a Workday Calendar, *Oracle Bills of Material User's Guide*.
- Define organization parameters. These parameters are the source for default inventory, costing, control, and movement parameters for an organization. See: Defining Organization Parameters: page 2 – 4.
- Define subinventories that represent physical or logical locations for items within an organization. See: Defining Subinventories: page 2 – 27.

- Define locators that represent storage structures (for example, aisles or bins) within subinventories. See: Defining Stock Locators: page 2 – 34.
- Define planners or planning entities for each organization. You assign planners to inventory items at the organization level. See: Defining Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.
- Define organization access mappings to restrict the organizations a responsibility can access. See: Defining Organization Access: page 2 – 37.
- Define material shortage parameters to generate shortage alerts and shortage notifications. See: Defining Shortage Parameters: page 2 – 39.
- Define freight carriers. See: Defining Freight Carriers: page 2 – 42.

See Also

Overview of Units of Measure: page 3 – 2

Organization Parameters Window

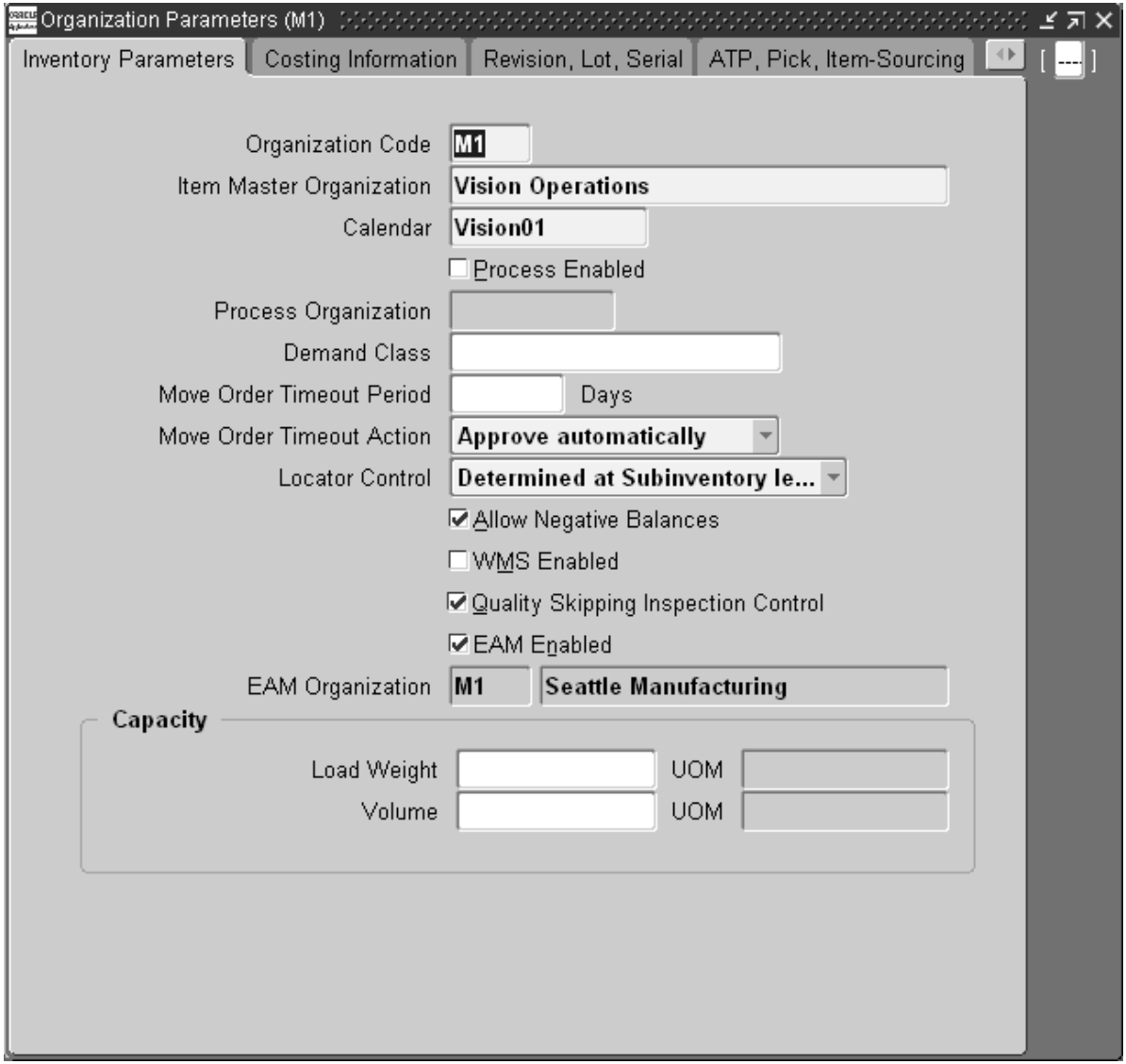
You can define and update default inventory and costing parameters for your current organization in the following areas:

- Defining Default Inventory Parameters: page 2 – 4
- Defining Costing Information: page 2 – 8
- Defining Revision, Lot, Serial Parameters: page 2 – 13
- Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17
- Defining Inter–Organization Information: page 2 – 20
- Defining Other Account Parameters: page 2 – 23
- Defining Warehouse Parameters: page 2 – 26

Defining Default Inventory Parameters

▶ **To define inventory parameters:**

1. Navigate to the Organization Parameters window.



2. Select the Inventory Parameters tabbed region.
3. Enter an organization code. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.
4. Select an Item Master organization.

   Oracle Inventory only defines items in the Item Master organization of the organization from which you enter the Items window.

5. Select a workday calendar. This is required when Oracle Master Scheduling / MRP and Oracle Supply Chain Planning is installed. See: Creating a Workday Calendar, *Oracle Bills of Material User's Guide*.

6. Check the Process Enabled checkbox if the organization is a Process Manufacturing organization. (**Note:** This feature will be supported in a future release. It will only be enabled if Oracle Process Manufacturing has been fully installed.)

7. Select a process organization to which you want to relate this inventory organization. (**Note:** This feature will be supported in a future release. It will only be enabled if Oracle Process Manufacturing has been fully installed.)

8. Optionally, select a demand class.

   Demand classes segregate scheduled demand and production into groups, allowing you to track and consume those groups independently. Oracle Master Scheduling / MRP and Oracle Supply Chain Planning uses this demand class during forecast consumption, and shipment and production relief. See: Demand Classes, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

9. In the Move Order Timeout Period field, enter the number of days a move order requisition can wait for approval.

   The workflow approval process sends a notification to the item planner when a move order requisition requires approval. After the first timeout period, if the recipient has not approved or rejected the order, a reminder notice is sent. After the second timeout period, the order is automatically approved or rejected, depending on whether you select *Approve automatically* or *Reject automatically* in the Move Order Timeout Action field. If you want to bypass the move order approval process and automatically approve move order requisitions, enter *0* days in the Move Order Timeout Period field and select *Approve automatically* in the Move Order Timeout Action field. See: Overview of Move Orders: page 7 – 67.

10. Select a move order timeout action:

    Approve automatically: After the second timeout period, move order requisitions are automatically approved. Select this option and set the Move Order Timeout Period to *0* if you want to bypass the move order approval process and automatically approve move order requisitions.

Reject automatically: After the second timeout period, move order requisitions are automatically rejected.

11. Select a locator control option:

    None: Inventory transactions within this organization do not require locator information.

    Prespecified only: Inventory transactions within this organization require a valid, predefined locator for each item.

    Dynamic entry allowed: Inventory transactions within this organization require a locator for each item. You can choose a valid, predefined locator, or define a locator dynamically at the time of transaction.

    Determined at subinventory level: Inventory transactions use locator control information that you define at the subinventory level.

12. Indicate whether to allow negative balances.

    Determines whether inventory transactions can drive the inventory balance of an item negative.

Attention: If insufficient quantity on hand exists in a supply subinventory to satisfy backflush demand, Oracle Work in Process forces the supply subinventory balance negative, ignoring this option setting.

13. Indicate whether this organization is an Oracle Warehouse Management enabled organization. You can use WMS features such as LPNs, task management, warehouse execution rules and cost groups in this organization. See: Warehouse Setup, *Oracle Warehouse Management User's Guide*.

    Locator control must be enabled in order to enable WMS. Once this has been enabled and transactions have been entered in this organization, this box cannot be unchecked.

14. **Indicate whether this organization is an Oracle Enterprise Asset Management enabled Organization. See: Warehouse Setup, *Oracle Enterprise Asset Management User's Guide.***

15. Enter a total load weight and unit of measure for this organization.

16. Enter a total volume and unit of measure for this organization.

▶ **To continue defining organization parameters:**

- Select the Costing Information tabbed region. See: Defining Costing Information: page 2 – 8.

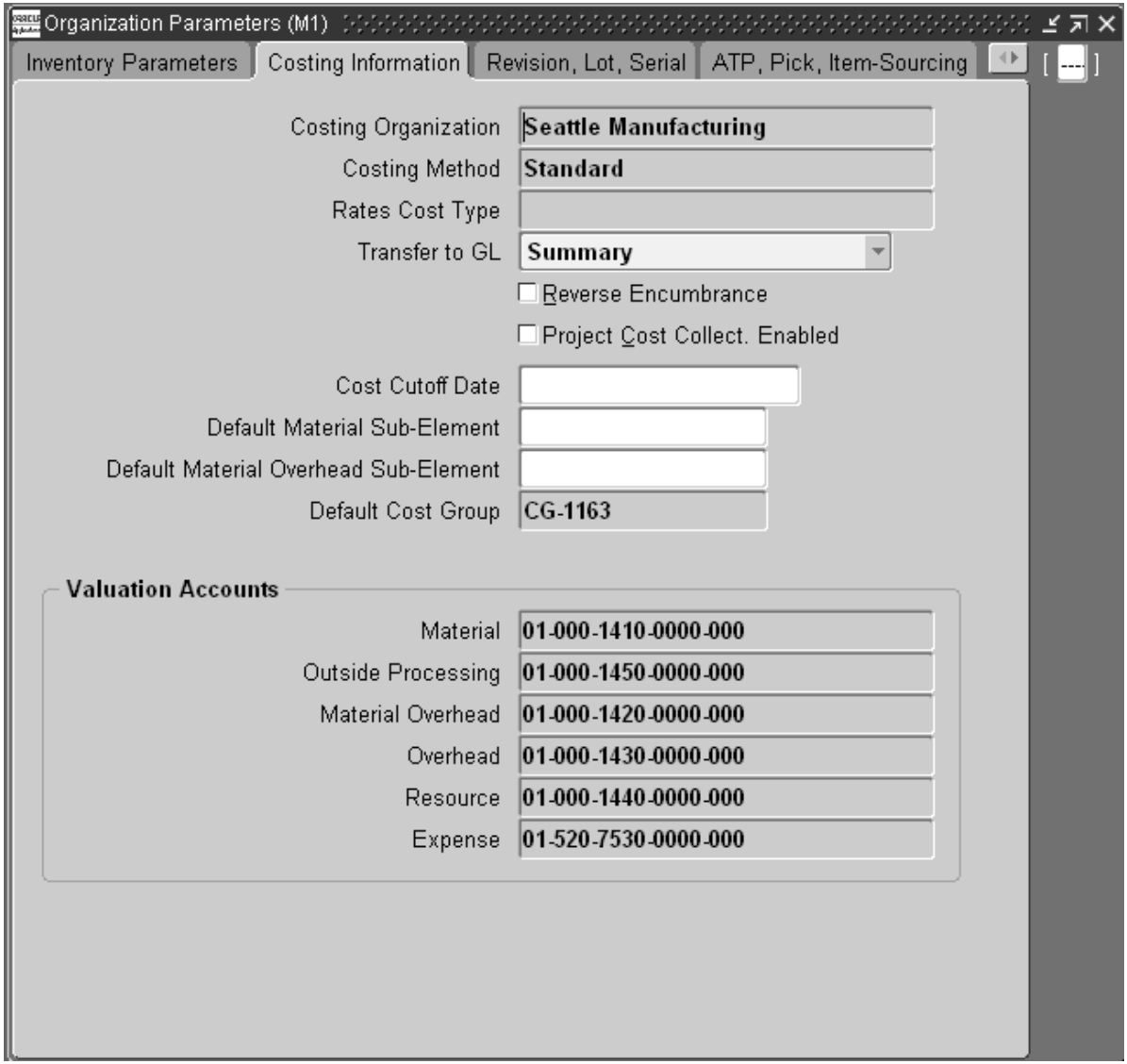
See Also

Defining Revision, Lot, Serial Parameters: page 2 – 13
Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17
Defining Inter–Organization Information: page 2 – 20
Defining Other Account Parameters: page 2 – 23

Defining Costing Information

▶ **To define costing parameters and accounts:**

1. Navigate to the Organization Parameters window.



2. Select the Costing Information tabbed region.

   The costing organization that controls the costs in your current organization and the costing method are displayed. These fields are enterable only when you use this window for the first time during system setup. The costing organization can be the current organization itself (thus, it controls its own costs), or it can be the Item Master organization.

See: Cost Structure, Standard Costing, and Average Costing, *Oracle Cost Management User's Guide.*

3. When the Costing Method is Average, you can enter the Average Rates Cost Type. See: Defining Cost Types, *Oracle Cost Management User's Guide.*

4. Indicate whether all transactions are posted in detail to the general ledger.

   Caution: Transferring detail transaction distributions to the general ledger increases general ledger posting times due to the number of records created.

5. Indicate whether to reverse encumbrance entry upon receipt in inventory.

   You normally select this option if you use encumbrances with Oracle Purchasing. See: Overview of Receipt Accounting, *Oracle Purchasing User's Guide*.

6. For standard costing, select a material sub–element that this organization uses as a default when you define item costs. For average costing, the default material sub–element you select can be used for cost collection when *Project Cost Collection Enabled* is set.

Attention: Since a material sub–element is organization specific you must define the organization first, then the sub–element, then the organization parameters. When you first define your parameters you can leave this field blank, save your work, then return to this field later to specify a default material sub–element.

7. Indicate the default cost group for the organization. This will default into the Default Cost Group field for each subinventory. If the WMS cost group rules engine fails to find a cost group, this cost group will be used. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide.* This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: .

8. Define default Valuation Account details. See: Valuation Accounts: page 2 – 11 and Defining Subinventories: page 2 – 27.

▶ **To continue defining organization parameters:**

- Select the Revision, Lot, Serial tabbed region. See: Defining Revision, Lot, Serial Parameters: page 2 – 13.

See Also

Defining Default Inventory Parameters: page 2 – 4

Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17

Defining Inter–Organization Information: page 2 – 20

Defining Other Account Parameters: page 2 – 23

Valuation and Other Accounts

Valuation Accounts

You choose a default valuation account when you define organization parameters. Under standard costing, these accounts are defaulted when you define subinventories and can be overridden. Under average costing, these accounts (except for Expense) are used for subinventory transactions and cannot be updated. For a detailed discussion of cost elements see: Cost Structure, *Oracle Cost Management User's Guide.*

Material	An asset account that tracks material cost. For average costing, this account holds your inventory and intransit values. Once you perform transactions, you cannot change this account.
Material Overhead	An asset account that tracks material overhead cost.
Resource	An asset account that tracks resource cost.
Overhead	An asset account that tracks resource and outside processing overheads.
Outside processing	An asset account that tracks outside processing cost.
Expense	The expense account used when tracking a non–asset item.

Other Accounts

Sales	The profit and loss (income statement) account that tracks the default revenue account.
Cost of Goods Sold	The profit and loss (income statement) account that tracks the default cost of goods sold account.
Purchase Price Variance	The variance account used to record differences between purchase order price and standard cost. This account is not used with the average cost method.
Inventory A/P Accrual	The liability account that represents all inventory purchase order receipts not matched in Accounts Payable, such as the uninvoiced receipts account.
Invoice Price Variance	The variance account used to record differences between purchase order price and invoice price. This account is used by Accounts Payable to record invoice price variance.
Encumbrance	An expense account used to recognize the reservation of funds when a purchase order is approved.
Project Clearance Account	When performing miscellaneous issues to capital projects, the project clearance account is used to post the distributions.
Average Cost Variance	Under average costing with negative quantity balances, this account represents the inventory valuation error caused by issuing your inventory before your receipts.

Note: For standard costing, only the Purchase Price Variance, Inventory A/P Accrual, Invoice Price Variance, Expense, Sales and Cost of Goods Sold accounts are required. The other accounts are used as defaults to speed your set up.

Note: For average costing, only the Material, Average Cost Variance, Inventory A/P Accrual, Invoice Price Variance, Expense, Sales and Cost of Goods Sold accounts are required. The other accounts are used as defaults or are not required.

See Also

Defining Costing Information: page 2 – 8

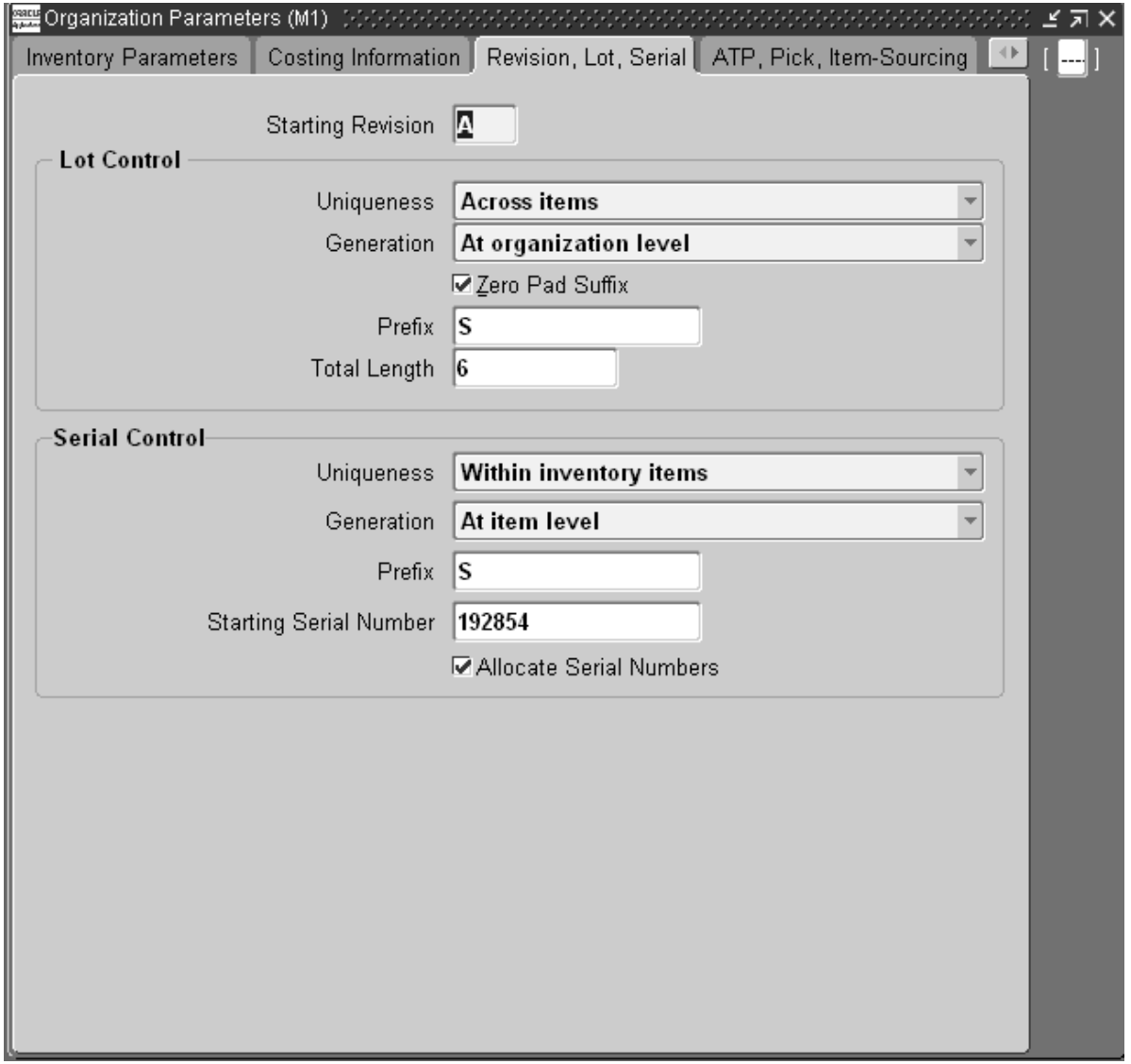
Defining Other Account Parameters: page 2 – 23.

Subinventory General Ledger Account Fields: page 2 – 32.

Defining Revision, Lot, Serial, LPN Parameters

▶ **To define Revision parameters:**

1. Navigate to the Organization Parameters window.



2. Select the Revision, Lot, Serial tabbed region.
3. Enter a starting revision to be the default for each new item.

▶ **To define Lot Control parameters:**

1. Select the Revision, Lot, Serial tabbed region.
2. Select an option for lot number uniqueness.

Across items: Enforce unique lot numbers for items across all organizations.

None: Unique lot numbers are not required.

3. Select an option for lot number generation.

   User–defined: Enter user–defined lot numbers when you receive items.

   At organization level: Define the starting prefix and lot number information for items using the values you enter in the Prefix, Zero Pad Suffix, and Total Length fields. When you receive items, this information is used to automatically generate lot numbers for your items.

   At item level: Define the starting lot number prefix and the starting lot number when you define the item. This information is used to generate a lot number for the item when it is received.

4. Indicate whether to add zeroes to right–justify the numeric portion of lot numbers (Zero Pad Suffix).

5. Optionally, select an alphanumeric lot number prefix to use for system–generated lot numbers when generation is at the organization level.

6. Optionally, define the maximum length for lot numbers.

   If you use Oracle Work in Process and you set the WIP parameter to default the lot number based on inventory rules, then WIP validates the length of the lot number against the length you define in this field.

▶ **To define Serial Control parameters:**

1. Select the Revision, Lot, Serial tabbed region.

2. Select an option for serial number uniqueness.

   Within organization: Enforce unique serial numbers within the current organization.

   Within inventory items: Enforce unique serial numbers for inventory items.

   Across organizations: Enforce unique serial numbers throughout all organizations.

3. Select an option for serial number generation.

At organization level: Define the starting prefix and serial number information for items using the information you enter in the following fields of this window.

At item level: Define the starting serial number prefix and the starting serial number when you define the item.

4. Optionally, select an alphanumeric serial number prefix to use for system–generated serial numbers when generation is at the organization level.
5. Optionally, enter a starting serial number to use for system–generated serial numbers.

   If serial number generation is at the organization level you must enter a starting serial number.
6. Indicate whether the system will suggest serial numbers as part of the move order line allocating process. If you do not select this option, you must manually enter the serial numbers in order to transact the move order.

▶ **To define LPN Generating Options:**

If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization, you can define LPN Generating Options, used when generating license plate numbers. See: Generating License Plate Numbers, *Oracle Warehouse Management User's Guide*.

1. Indicate the prefix appended to every LPN generated in this organization.
2. Indicate the suffix appended to every LPN generated in this organization.
3. Indicate the starting number from which LPNs will be generated in this organization.

▶ **To continue defining organization parameters:**

- Select the ATP, Pick, Item–Sourcing tabbed region. See: Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17.

See Also

Defining Items: page 5 – 6

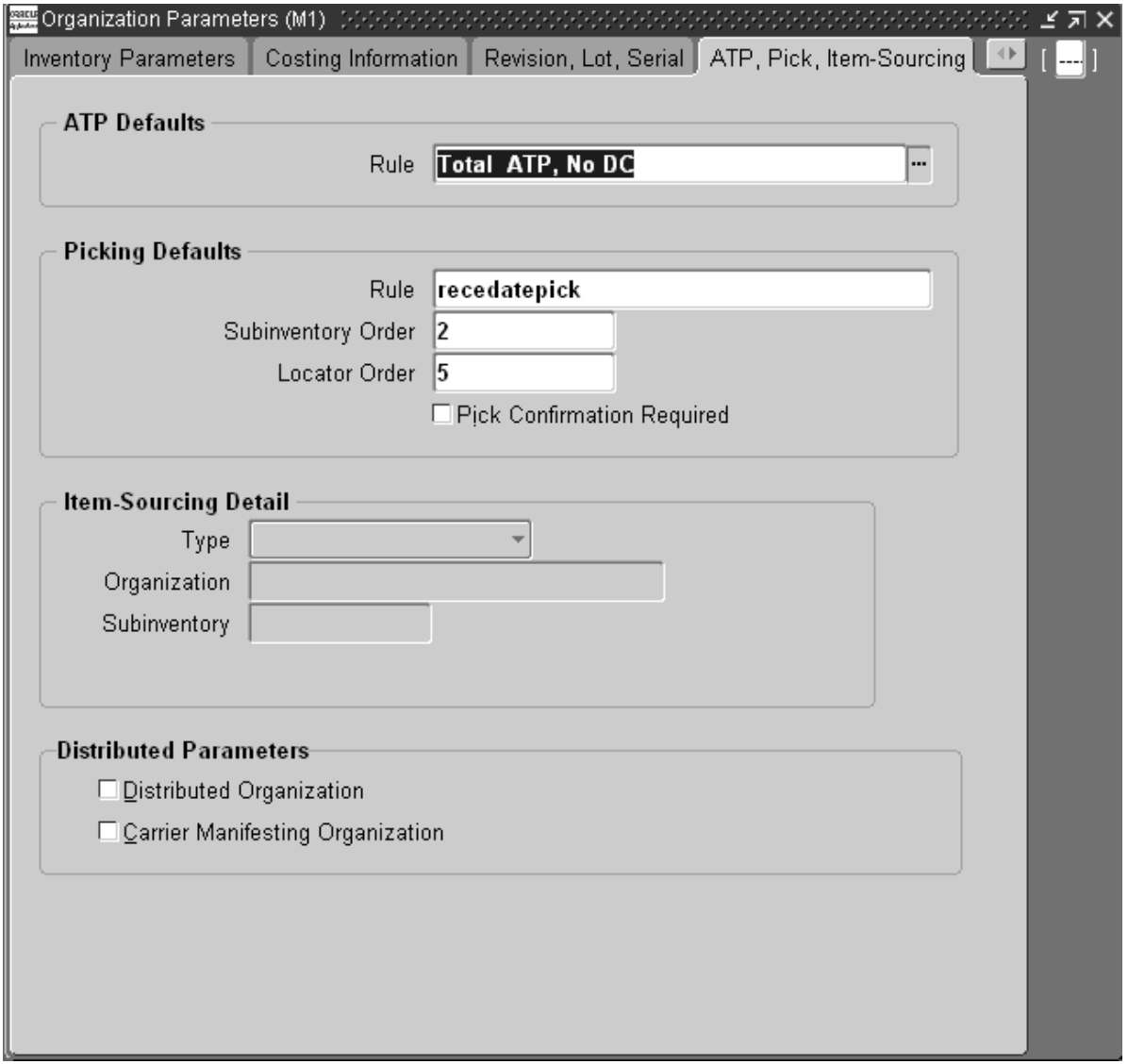
Inventory Attribute Group: page 5 – 43

Defining Default Inventory Parameters: page 2 – 4
Defining Costing Information: page 2 – 8
Defining Inter–Organization Information: page 2 – 20
Defining Other Account Parameters: page 2 – 23

Defining ATP, Pick, Item–Sourcing Parameters

▶ **To define optional ATP and Picking defaults:**

1. Navigate to the Organization Parameters window.



2. Select the ATP, Pick, Item–Sourcing tabbed region.
3. Select a default ATP rule.

   ATP rules define the options used to calculate the available to promise quantity of an item. If you are using Oracle Order Management, the default is the ATP rule for the Master organization.
4. Select a default picking rule.

Picking rules define the priority that order management functions use to pick items.

Attention: This rule will not be employed in a WMS enabled organization. The WMS picking rules will be used. See: Defining Default Inventory Parameters: page 2 – 4.

5. Enter a default subinventory picking order.

   This value indicates the priority with which you pick items from a subinventory, relative to another subinventory, in which a given item resides. The value you enter here displays as the default when you define a subinventory.

6. Enter a default locator picking order.

   This value indicates the priority with which you pick items from a locator, relative to another locator, where a given item resides. The value you enter here displays as the default when you define a locator.

Attention: A picking order of 1 means that order management functions pick items from that subinventory or locator before others with a higher number (such as 2, 3, and so on).

7. Check the Pick Confirmation Required box if you want your pickers to manually pick confirm. If you do not check the box, pick confirmation will occur automatically.

Attention: In order for Oracle Warehouse Management to dispatch picking tasks to users, this field should be unchecked in WMS enabled organizations.

▶ **To define optional Item Sourcing defaults:**

1. Select the ATP, Pick, Item–Sourcing tabbed region.
2. Select a source type for item replenishment.

   Inventory: Replenish items internally from another subinventory in the same organization or another organization.

   Supplier: Replenish items externally, from a supplier you specify in Oracle Purchasing.

   None: No default source for item replenishment.

3. Select the organization used to replenish items.

   You must enter a value in this field if you selected *Inventory* in the Type field.

4. Select the subinventory used to replenish items.

You must enter a value in this field if you selected your current organization in the Organization field. You cannot enter a value in this field if you selected *Supplier* in the Type field.

▶ **To continue defining organization parameters:**

- Select the Inter–Organization Information tabbed region. See: Defining Inter–Organization Information: page 2 – 20.

See Also

Defining ATP Rules: page 8 – 31

Defining Picking Rules: page 4 – 25

Defining Default Inventory Parameters: page 2 – 4

Defining Costing Information: page 2 – 8

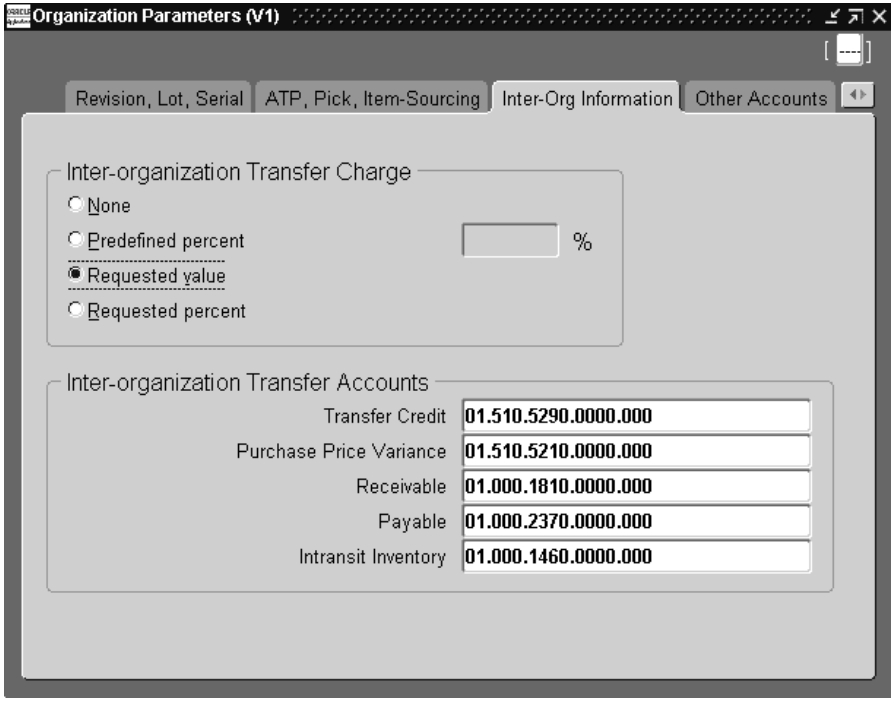
Defining Revision, Lot, Serial Parameters: page 2 – 13

Defining Other Account Parameters: page 2 – 23

Defining Inter–Organization Information

▶ **To define a default inter–organization transfer charge:**

1. Navigate to the Organization Parameters window.



2. Select the Inter–Org Information tabbed region.
3. Select an Inter–Organization Transfer Charge option.

   None: Do not add transfer charges to a material transfer between organizations.

   Predefined percent: Automatically add a predefined percent of the transaction value when you perform the inter–organization transfer.

   Requested value: Enter the discrete value to add when you perform the inter–organization transfer.

   Requested percent: Enter the discrete percentage of the transfer value to add when you perform the inter–organization transfer.
4. If you selected *Predefined percent* in the Inter–Organization Transfer Charge field, enter a percentage value to add to a material transfer.

▶ **To define optional default inter–organization transfer accounts:**

1. Select the Inter–Org Information tabbed region.
2. Enter default inter–organization cost accounts. These accounts are defaulted when you set up shipping information in the

Inter–Organization Shipping Networks window. See: Inter–Organization Transfer Accounts: page 2 – 22.

▶ **To continue defining organization parameters:**

- Select the Other Accounts tabbed region. See: Defining Other Account Parameters: page 2 – 23.

See Also

Defining Default Inventory Parameters: page 2 – 4

Defining Costing Information: page 2 – 8

Defining Revision, Lot, Serial Parameters: page 2 – 13

Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17

Inter–Organization Transfer Accounts

You define default inter–organization transfer accounts in the Organization Parameters window. These accounts are defaulted when you set up shipping information in the Inter–Organization Shipping Networks window.

Transfer Credit

The default general ledger account used to collect transfer charges when this organization is the shipping organization. This is usually an expense account.

Purchase Price Variance

The default general ledger account used to collect the purchase price variance for inter–organization receipts into standard cost organizations. This is usually an expense account.

Payable

The default general ledger account used as an inter–organization clearing account when this organization is the receiving organization. This is usually a liability account.

Receivable

The default general ledger account used as an inter–organization clearing account when this organization is the shipping organization. This is usually an asset account.

Intransit Inventory

The default general ledger account used to hold intransit inventory value. This is usually an asset account. For average cost organizations, this account is the default material account.

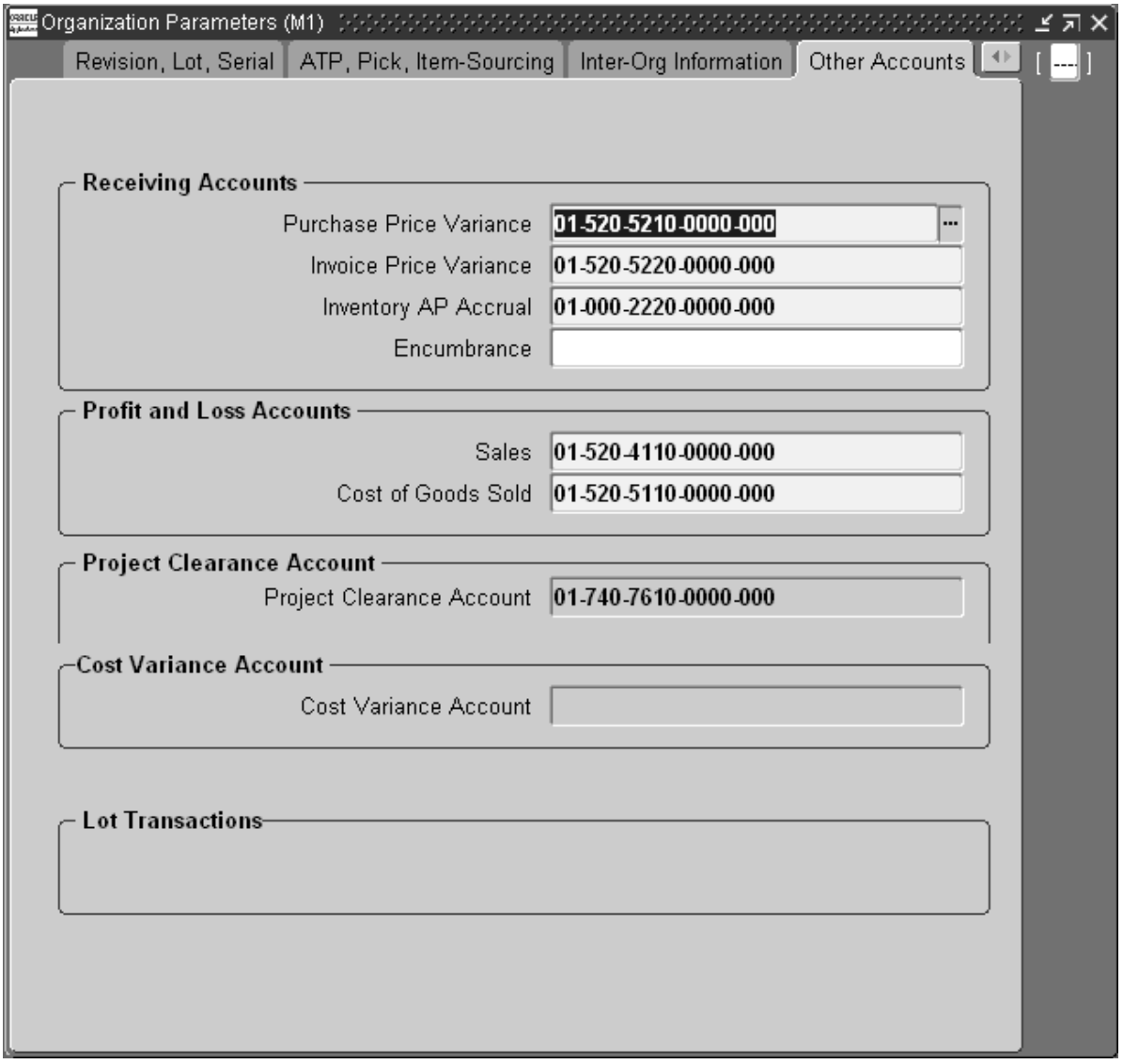
See Also

Defining Inter–Organization Information: page 2 – 20

Defining Other Account Parameters

▶ **To define Receiving Account information:**

1. Navigate to the Organization Parameters window.



2. Select the Other Accounts tabbed region.
3. Enter a general ledger account to accumulate Purchase Price Variance for this organization.

   This is the variance that you record at the time you receive an item in inventory, and is the difference between the purchase order cost and an item's standard cost. Purchase price variance is calculated as:

PPV = (PO unit price – standard unit cost) × quantity received

Purchase price variance is not used for average costing.

4. Enter a general ledger account to accumulate Invoice Price Variance for this organization. This is usually an expense account.

   Invoice price variance is the difference between the purchase order price for an inventory item and the actual invoice price multiplied by the quantity invoiced. Oracle Inventory passes this account to Oracle Purchasing when the requisition or purchase order is created. When Oracle Payables matches and approves the invoice, Oracle Payables uses the invoice price variance account from the purchase order to record invoice price variance entries. In addition, if you have exchange rate variances, Oracle Payables also records invoice price variance for exchange rate gains and losses.

5. Enter a general ledger account to accumulate Inventory Accounts Payable Accrual for this organization.

   This is the account used by Oracle Purchasing to accrue your payable liabilities when you receive your items. This account represents your uninvoiced receipts and is usually part of your Accounts Payable Liabilities in the balance sheet. Oracle Payables relieves this account when the invoice is matched and approved.

6. Enter a default general ledger account to accumulate Encumbrance for this organization. This is the default account when you define your subinventories.

▶ **To define Profit and Loss Account information:**

1. Select the Other Accounts tabbed region.
2. Enter a default Sales revenue account.

   When you define your items, this account is defaulted to the item's sales account in the Invoicing attribute group.

3. Enter a default Cost of Goods Sold account.

   When you define your items, this account is defaulted to the item's cost of goods sold account in the Costing attribute group.

▶ **To define Average Cost Account information:**

1. Select the Other Accounts tabbed region.
2. Under average costing with negative quantity balances, this account represents the inventory valuation error caused by issuing your inventory before processing your receipts. This account is required

only when using average costing. See: Average Costing, *Oracle Cost Management User's Guide* and Cost Structure, *Oracle Cost Management User's Guide.*

3. Save your work.

Defining Warehouse Parameters

If you have Oracle Warehouse Management installed, and if you are working with a WMS enabled organization, you can define warehouse parameters from a seperate Warehouse tab. See: Warehouse Setup, *Oracle Warehouse Management User's Guide.*

See Also

Defining Default Inventory Parameters: page 2 – 4

Defining Costing Information: page 2 – 8

Defining Revision, Lot, Serial Parameters: page 2 – 13

Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17

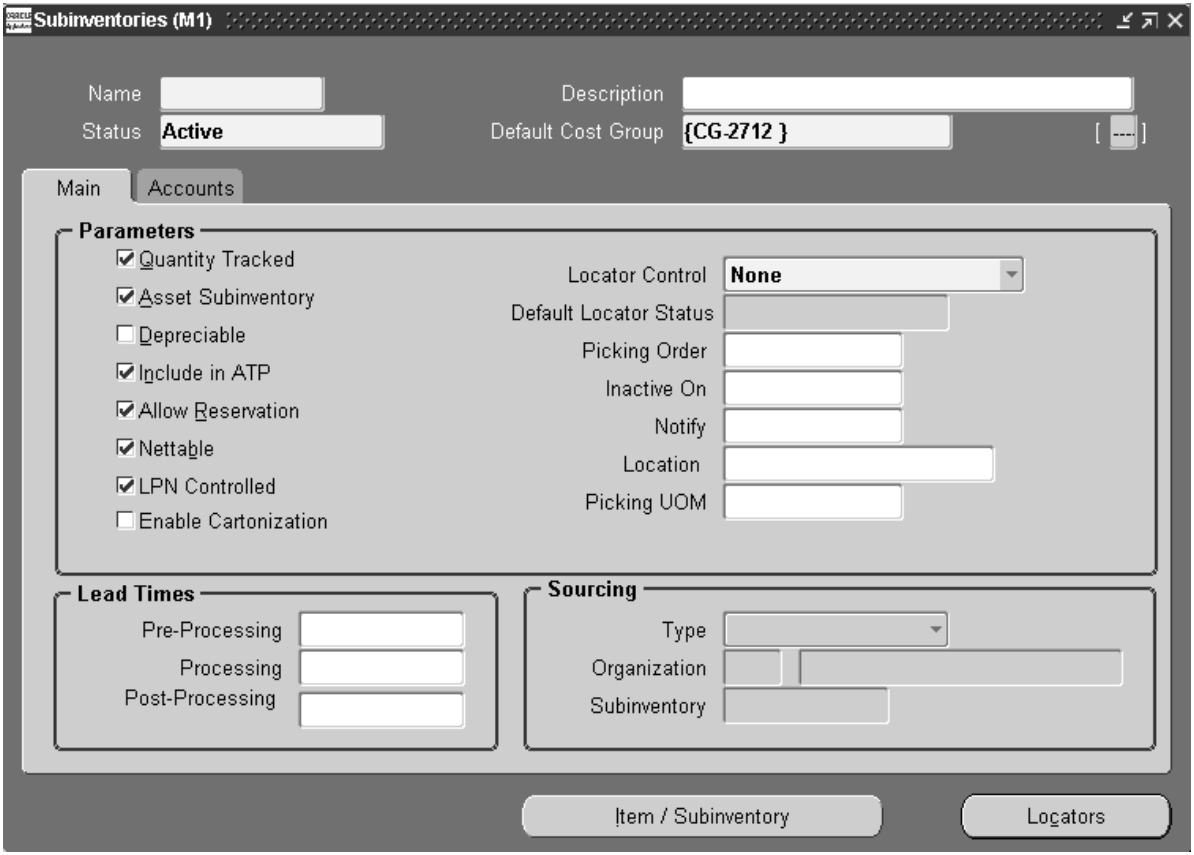
Defining Inter–Organization Information: page 2 – 20

Defining Subinventories

Subinventories are unique physical or logical separations of material inventory, such as raw inventory, finished goods, or defective material. All material within an organization is held in a subinventory therefore, you must define at least one subinventory.

▶ **To define subinventory header information:**

1. Navigate to the Subinventories Summary folder window.
2. Choose New. The Subinventories window appears.



3. Enter a unique alphanumeric name.
4. Indicate the material status of this subinventory, which controls the enabled transactions for all material in this subinventory. The status is not overridden by the status of any locator, lot or serial, within

this subinventory. The statuses of those objects will be considered when determining transactions that are not enabled. This field is used if you have Oracle Warehouse Management installed.

5. Indicate the default cost group for this subinventory. If the cost group assignment rules fail to identify a cost group for newly received material, this cost group will be assigned. This cost group will remain with the material, even through subinventory transfers, until you perform a cost group change transaction. This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: .

▶ **To define parameters, lead times, and sourcing information:**

1. Select the Main tabbed region.
2. Indicate whether each transaction for this subinventory updates the quantity on hand for the subinventory (Quantity Tracked).

   If you leave this option unchecked, on–hand balances are not maintained and you cannot check or update the Asset Inventory, Include in ATP, Reservable, or Nettable options.

   You can update this value only if there is no on–hand quantity for the subinventory.
3. Indicate whether to maintain the value of this subinventory on the balance sheet (Asset Subinventory).

   You can update this value only if there is no on–hand quantity for the subinventory.
4. Indicate whether this subinventory is depreciable. See: Using Network Logistics, *Oracle Network Logistics Concepts and Procedures.*
5. Indicate whether to include items in this subinventory in ATP calculations.
6. Indicate whether to designate items in this subinventory as depreciable.

   This data is needed to support depreciable and location information in the Subinventory Setup from the Oracle Network Logistics product.
7. Indicate whether to include this subinventory when you perform available–to–reserve calculations.
8. Indicate whether the planning process uses the on–hand balance of these subinventory items as available inventory (Nettable).

9. Indicate if material may be packed into an LPN in the subinventory. If this is unchecked, all LPNs transacted into this subinventory will be automatically unpacked, and LPNs cannot be packed into this subinventory. This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

10. Indicate if picks from this subinventory can be cartonized. This will only be enabled if cartonizations is enabled for the organization, as well as the appropriate cartonization setup has been performed for the items to be picked. This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: .

11. Select a type of locator control.

    You can select an option only if you selected locator control as *Determined at subinventory level* in the Locator Control field in the Organization Parameters window. You can only update this option if there is no on–hand quantity for the subinventory.

    None: Inventory transactions within this subinventory do not require locator information.

    Prespecified: Inventory transactions within this subinventory require you to enter a valid predefined locator for each item.

    Dynamic entry: Inventory transactions within this subinventory require you to enter a locator for each item. You may choose a valid predefined locator, or define a locator dynamically at the time of transaction.

    Item level: Inventory transactions use locator control information that you define at the item level.

12. Indicate the default locator status of the locators in this subinventory. This feature is available if you have Oracle Warehouse Management installed.

13. Enter a picking order value for use by Oracle Warehouse Management to sequence picking tasks.

    This value indicates the priority with which you pick items from this subinventory, relative to another subinventory, where a given item resides. If you have Oracle Warehouse Management installed, this field determines the picking path through the warehouse and not the order in which material is allocated for a sales order.

☞ **Attention:** A picking order of 1 means that order management functions pick items from that subinventory or locator before others with a higher number (such as 2).

14. Optionally, enter an inactive date for the subinventory.
15. Optionally, enter a location for the subinventory See: Using Network Logistics, *Oracle Network Logistics Concepts and Procedures.* See: Oracle Spares Management in CRM, *Oracle Spares Management Concepts and Procedures.*
16. Indicate the picking unit of measure used to store material in this subinventory. It is used by the WMS rules engine to divide picks across subinventories in the warehouse. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide*. This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: .
17. Optionally, enter pre–processing, processing, and post–processing lead times for items in this subinventory.

    These lead times are used when you use min–max planning at the subinventory level.
18. Select a source type for item replenishment.

    Inventory: Replenish items internally, from another organization.

    Supplier: Replenish items externally, from a supplier you specify in Oracle Purchasing.

    Subinventory: Replenish items internally, from another subinventory in the same inventory organization.
19. Select the organization used to replenish items in this subinventory.

    You must enter a value in this field if you entered *Inventory* in the Type field. The organization you select must have a shipping network defined.
20. Select the subinventory used to replenish items in this subinventory.

    You must enter a value in this field if you entered your current organization in the Organization field.

▶ **To define subinventory account information:**

1. Select the Accounts tabbed region.
2. Enter the general ledger accounts. See: Subinventory General Ledger Account Fields: page 2 – 32.

The default accounts are those defined for the organization in the Organization Parameters window.

If you are using average costing, you may enter the valuation accounts, but they are not used. Average costing uses only the Expense and Encumbrance accounts. If you use standard costing, and Oracle Bills of Material is installed, all asset accounts are required. If you use standard costing, and Oracle Bills of Material is not installed, you are only required to enter the Material and Material Overhead accounts.

3. Save your work.

▶ **To make a subinventory inactive:**

- Enter the date on which the subinventory becomes inactive.

  As of this date, you can no longer assign the subinventory to any function within Oracle Applications. In addition, you cannot receive items into or issue items from the subinventory.

Attention: Before you disable a subinventory, you must make certain that no open jobs or schedules in Oracle Work in Process use it as the backflush subinventory and that no active bills in Oracle Bills of Material use it as the supply subinventory for pull requirements.

▶ **To assign items to the subinventory:**

- Choose the Item / Subinventory button to navigate to the Item Subinventories window. See: Assigning Items to a Subinventory: page 5 – 130.

▶ **To define locators for the subinventory:**

- Choose the Locators button to navigate to the Stock Locators window. See: Defining Stock Locators: page 2 – 34.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Overview of Inventory Structure: page 2 – 2

Subinventory Transfers of Depreciable Items, *Oracle Network Logistics Concepts and Procedures User's Guide*

Subinventory General Ledger Account Fields

Material

Enter a general ledger account to accumulate material costs for items received into this subinventory. This is usually an asset account used for the value of goods stored in this subinventory.

For asset items, you use this account as a default when you generate purchase requisitions from MRP, min–max organization level planning, or reorder point planning. However, when you receive the purchase order, you use the appropriate valuation or expense account.

Outside Processing

Enter a general ledger account to accumulate outside processing costs for this subinventory. This is usually an asset account. Oracle Work in Process charges this account at standard cost when you receive items for a job or schedule in Oracle Purchasing. Oracle Work in Process relieves this account at standard cost when you issue components to a job or schedule.

Material Overhead

Enter a general ledger account to accumulate material overhead or burden costs for this subinventory. This is usually an asset account.

Overhead

Enter a general ledger account to accumulate resource or department overhead costs for this subinventory. This is usually an asset account. Oracle Work in Process charges this account at standard cost when you complete assemblies from a job or schedule. Oracle Work in Process relieves this account at standard when you issue components to a job or schedule.

Resource

Enter a general ledger account to accumulate resource costs for this subinventory. This is usually an asset account. Oracle Work in Process charges this account at standard cost when you complete assemblies from a job or schedule. Oracle Work in Process relieves this account at standard cost when you issue components to a job or schedule.

Expense

Enter a general ledger account to accumulate expenses for this subinventory. For expense subinventories, this account is charged

when you receive any item. For asset subinventories, this account is charged when you receive an expense item.

Encumbrance

ORACLE PURCHASING ONLY

Enter a general ledger account to hold the value of encumbrances against items in this subinventory. This account is used for purchase order receipts and returns.

See Also

Defining Subinventories: page 2 – 27

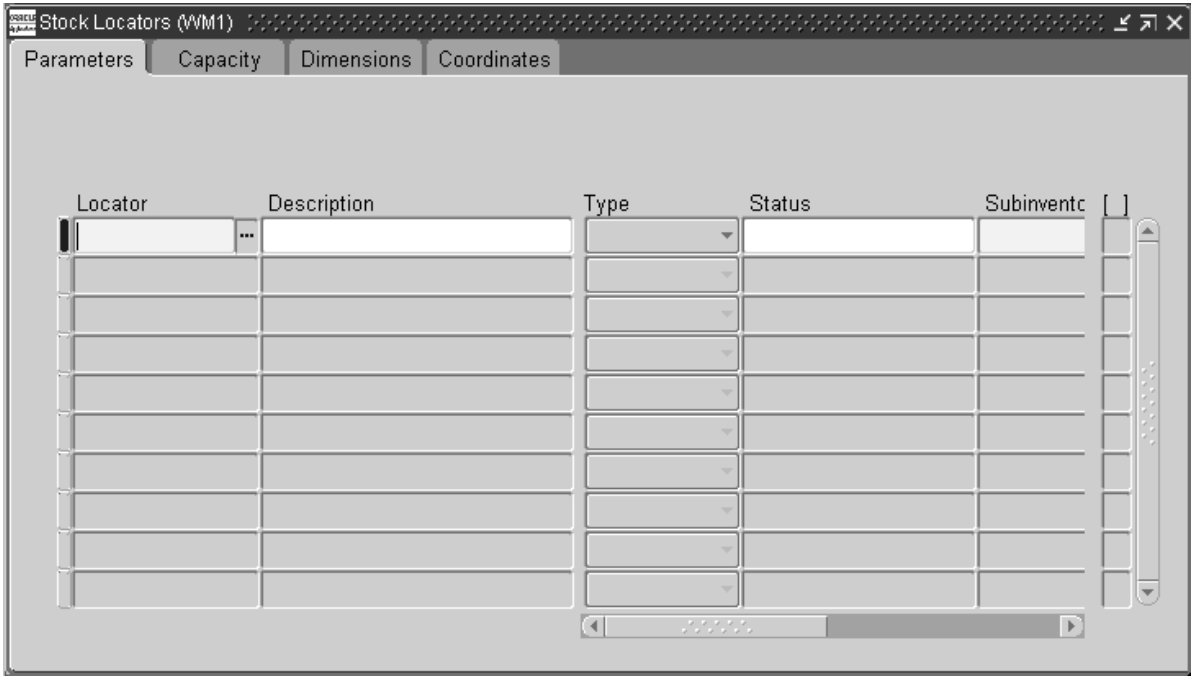
Defining Stock Locators

You use locators to identify physical areas where you store inventory items. Item quantities can be tracked by locator. Items can also be restricted to specific locators.

▶ **To define required information for a locator:**

1. Navigate to the Stock Locators window. The Find Locators window appears.
2. Choose New to display the Stock Locators window ready to define a new locator.

   You can also enter search criteria to find existing locators.



3. Choose the Parameters tabbed region.
4. Enter the locator and its description.
5. Indicate the locator type (Dock Door, Staging Lane, or Storage Locator). Dock doors are used in Oracle Warehouse Management environments only. See: Setting Up Dock Door to Staging Lane Relationships, *Oracle Warehouse Management User's Guide*.

6. Indicate the material status of this locator, which controls the enabled transactions for all material in this locator. The status is not overridden by the status of any subinventory, lot or serial, within this locator. The statuses of those objects will be considered when determining transactions that are not enabled. This field is used if you have Oracle Warehouse Management installed.
7. Enter the subinventory where the locator resides.
8. Enter a picking order value indicating the priority for picking items from this locator relative to another locator. This value is used by Oracle Warehouse Managment to sequence picking tasks.

   A picking order of 1 means that order management functions pick items from this locator before other locators with a higher number (2, 3, and so on).

   If you have Oracle Warehouse Management installed, this field determines the picking path through the warehouse and not the order in which material is allocated for a sales order.
9. Save your work.

▶ **To define optional capacity information for a locator:**

1. Choose the Capacity tabbed region.
2. Enter a value for the maximum number of items you can store in this locator.
3. Enter unit of measure and maximum volume values describing the volume of inventory that can be stored in this locator.
4. Enter unit of measure and maximum weight values describing the weight of inventory that can be stored in this locator.

▶ **To define dimension information for a locator:**

These fields are used to calculate available locator capacity when determining the put away suggestion in WMS enabled organizations. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide*.

1. Choose the Dimensions tabbed region.
2. Indicate the picking unit of measure used to store material in this locator. It is used to divide pick tasks by their unit of measure. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide*. This will override the pick unit of measure at the subinventory level. This feature is available if you

have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: .

3. Indicate the unit of measure in which the dimensions are expressed.
4. Indicate the length of the locator.
5. Indicate the height of the locator.
6. Save your work.

▶ **To define coordinate information for a locator:**

1. Choose the Coordinates tabbed region.
2. Indicate the X, Y, and Z coordinates of the locator. These coordinates are used in the event that the picking order on the locator has not been defined. Taskes are sequences to provide the operator with the minimal travel distance between picks. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide*. This feature is available if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization.
3. Save your work.

▶ **To make a locator inactive:**

- Enter the date on which the locator becomes inactive.

  As of this date, you can no longer issue items from or receive items to this locator.

See Also

Overview of Inventory Structure: page 2 – 2

Inventory Attribute Group: page 5 – 43

Assigning Items to a Subinventory: page 5 – 130

Defining Organization Access

You can specify which organizations a responsibility can access by mapping responsibilities to organizations. Once this mapping is set up, a user logging into an Oracle Manufacturing product is restricted to the organizations mapped to the responsibility chosen. The Change Organization window is restricted as well.

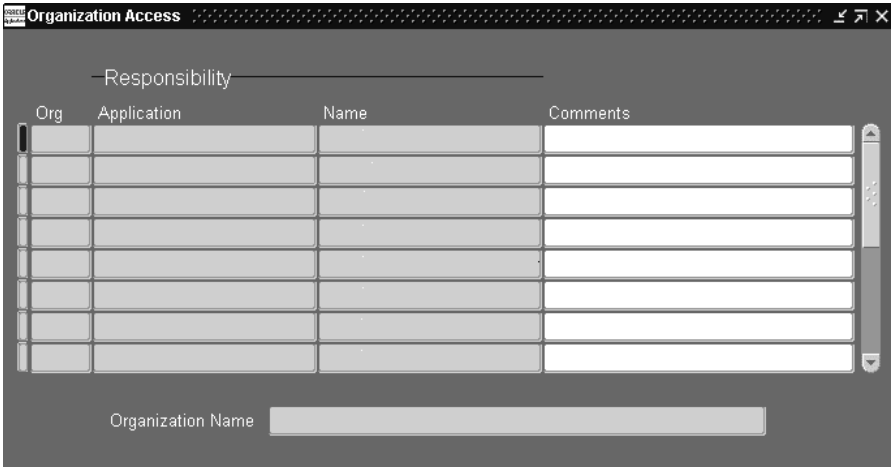
☞ **Attention:** Until you assign an organization to a responsibility in this window, all responsibilities have access to all organizations. Once you have restricted any responsibility to an organization, you must then explicitly define the organizations which all responsibilities can access.

☞ **Attention:** This feature does not restrict access once the user is in the product. Users with access to functions that cross multiple organizations (such as ATP, Inter–organization Transfers, Item Search, Multi–organization Quantity Report, and so on) can still specify any valid organization when running these functions.

System managers determine which responsibilities a user can access when they establish system security. See: Overview of Oracle Applications Security, *Oracle Applications System Administrator's Guide*. If there are no restrictions entered for an organization, it can be accessed by all responsibilities.

▶ **To define access mappings between organizations and responsibilities:**

1. Navigate to the Organization Access window.



2. Enter the organization code for the organization to which you are restricting access.
3. Enter the application assigned to the responsibility when it was defined.
4. Enter the name of the responsibility you are mapping to the organization entered in the Org field. You must enter an application before entering a responsibility.

   The combination of organization, application, and responsibility determines the access mapping. Each combination must be unique.
5. Save your work.

See Also

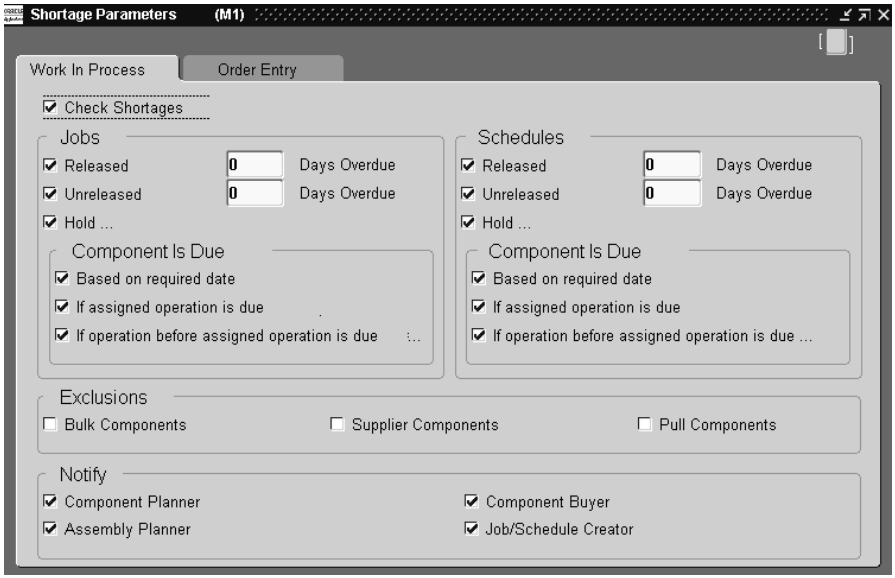
Overview of Inventory Structure: page 2 – 2

Defining Shortage Parameters

You can enable the system to send material shortage alerts and shortage notifications when a material shortage occurs in an organization. A material shortage occurs whenever unsatisfied demand exceeds available quantity for incoming supply of material. See: Material Shortage Alerts and Shortage Notifications: page 7 – 26.

▶ **To define shortage parameters:**

1. Navigate to the Shortage Parameters window.



2. In the Work In Process tabbed region, select shortage parameters to configure what is considered as demand.

   Check Shortages: Indicates that the material shortage check is enabled for WIP.

   Jobs and Schedules regions:

   Released: Indicates that all jobs / schedules with status Released, whose scheduled start date is overdue, are included in the material shortage check. This parameter is separately controlled for jobs and schedules.

   Unreleased: Indicates that all jobs / schedules with status Unreleased, whose scheduled start date is overdue, are included in the material

shortage check. This parameter is separately controlled for jobs and schedules.

Days Overdue: Indicates how many days can go by after the jobs / schedules start date until jobs / schedules with status Released or Unreleased are included in the material shortage check. This parameter functions only if you checked Released or Unreleased. This parameter is separately controlled for jobs and schedules.

Hold: Indicates that all jobs / schedules with status Hold are included in the material shortage check. This parameter can be separately controlled for jobs and schedules.

Component Is Due subregions:

Based on required date: Indicates that the required date specified for each component will be used to determine whether the open requirement is late. This parameter is separately controlled for jobs and schedules.

If assigned operation is due: Indicates that all discrete jobs or repetitive schedules with a current operation that has assigned open material requirements are included in the material shortage check. This parameter can be separately controlled for jobs and schedules.

If operation before assigned operation is due: Indicates that all discrete jobs or repetitive schedules with a current operation before an operation that has assigned open material requirements are included in the material shortage check. This parameter is separately controlled for jobs and schedules.

Exclusions region:

The shortage check looks at the supply type of components on the job or schedule. The supply type may be Based on Bill or manually overridden when jobs or schedules are created.

Bulk Components: Indicates that components with supply type Bulk will be excluded in the material shortage check.

Supplier Components: Indicates that components supplied by vendor will be excluded in the material shortage check.

Pull Components: Indicates that pull components will be excluded in the material shortage check.

Notify region: Select who will receive a workflow notification about the material shortage.

Component Planner: The user name assigned to the item attribute Planner for the component item will be notified. See: Defining

Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Assembly Planner: The user name assigned to the item attribute Planner for the assembly item will be notified. See: Defining Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Component Buyer: The user name assigned to the item attribute Default Buyer for the component item will be notified. See: Defining Buyers, *Oracle Purchasing User's Guide.*

Job/Schedule Creator: The user name of the job / schedule creator will be notified.

3. Select the Order Management tabbed region.
4. Select Order Management shortage parameters.

   Check Shortages: A sales order is considered overdue when the pick wave move order is unfulfilled.

   > **Additional Information:** A pick wave move order can exist if no available / on–hand quantity exists at pick release, or if the pick wave move order is pick confirmed short or backordered at ship confirm.

   Item Planner: The user name assigned to the item attribute Planner for the item will be notified. See: Defining Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

   Order Creator: The user name of the order creator will be notified.

5. Save your work.

See Also

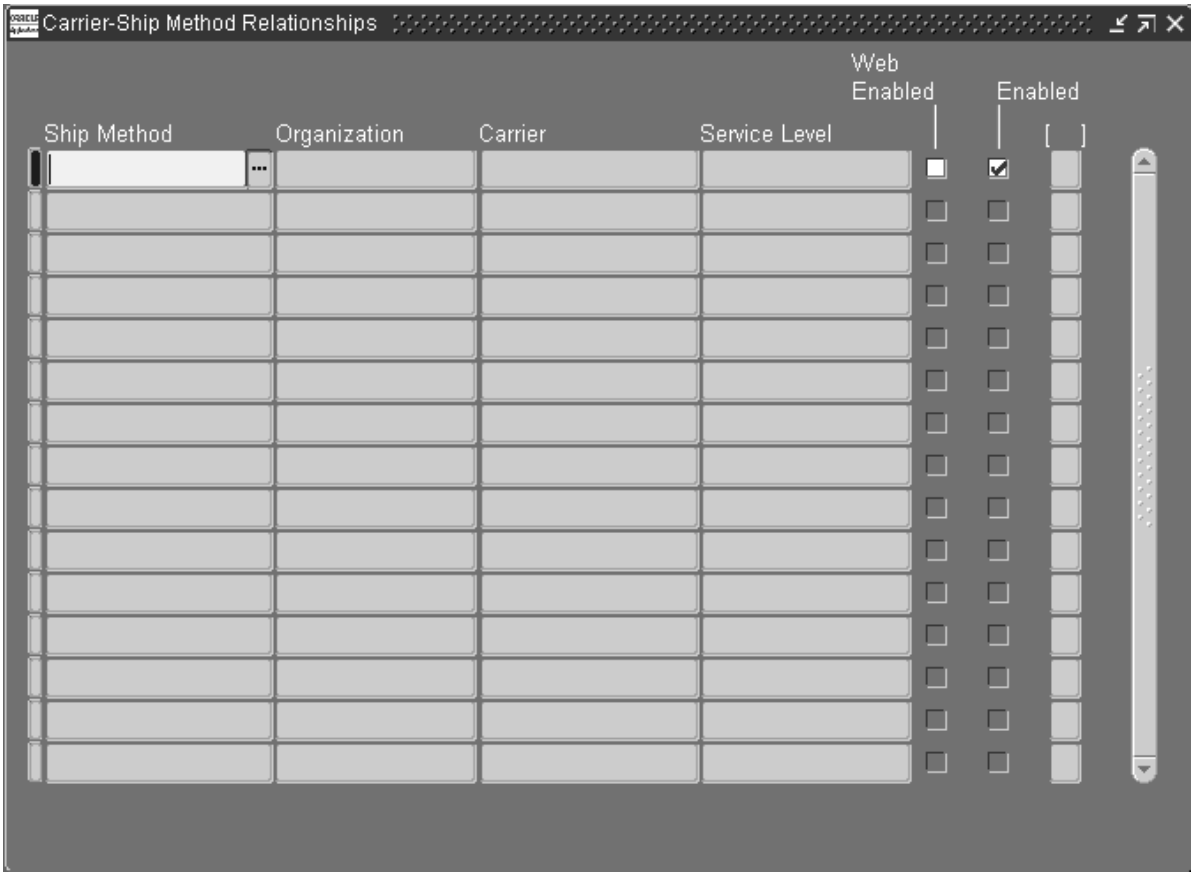
Material Shortage Alerts and Shortage Notifications: page 7 – 26

Defining Freight Carriers

A freight carrier is a commercial company used for internal transfers between organizations, as well as shipments to and from customers and suppliers. You must associate a general ledger account with each carrier to collect costs associated with using this carrier. You assign a carrier to each inter–organization transaction.

▶ **To define a freight carrier:**

1. Navigate to the Freight Carriers window.



2. Enter a unique name for the freight carrier.
3. Choose the general ledger distribution account that collects the costs associated with using this carrier.

You use this account when you perform an inter–organization transfer and specify freight charges.

4. Save your work.

▶ **To make a freight carrier inactive:**

- Enter the date after which the freight carrier becomes inactive.

  After this date, you can no longer assign the freight carrier to any function.

See Also

Inter–organization Shipping Network: page 6 – 26

Overview of Inventory Structure: page 2 – 2

Copying Inventory Organizations

You can create and update a large set of inventory organizations and their business entities, such as Subinventories, Items, Bills of material, and Resources. These entities can be copied and customized as part of an inventory organization copy. This aids in the management of inventory organizational setup, which is mandatory for the use of Inventory, Costing, Bills of Material and Work in Process. This feature is useful for companies that have a large number of inventory organizations.

You can copy a source inventory organization's parameters, defaults, and settings, in a single operation, to as many new organizations as you wish for the following setup entities:

- Bills of Material
- Routings
- Items
- Categories
- Subinventories
- Shipping Networks
- Inventory Parameters
- WIP Parameters
- BOM Parameters

Organization Mass Copy is a two–step process. In order to copy source inventory organization structures, you must first set up entity APIs to load interface tables and then run the Copy Organization concurrent program to export and import the setup data.

Prerequisites

- Define an inventory organization. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*
- Define organization parameters. See: Define Organization Parameters, *Oracle Human Resource Management Systems User's Guide*

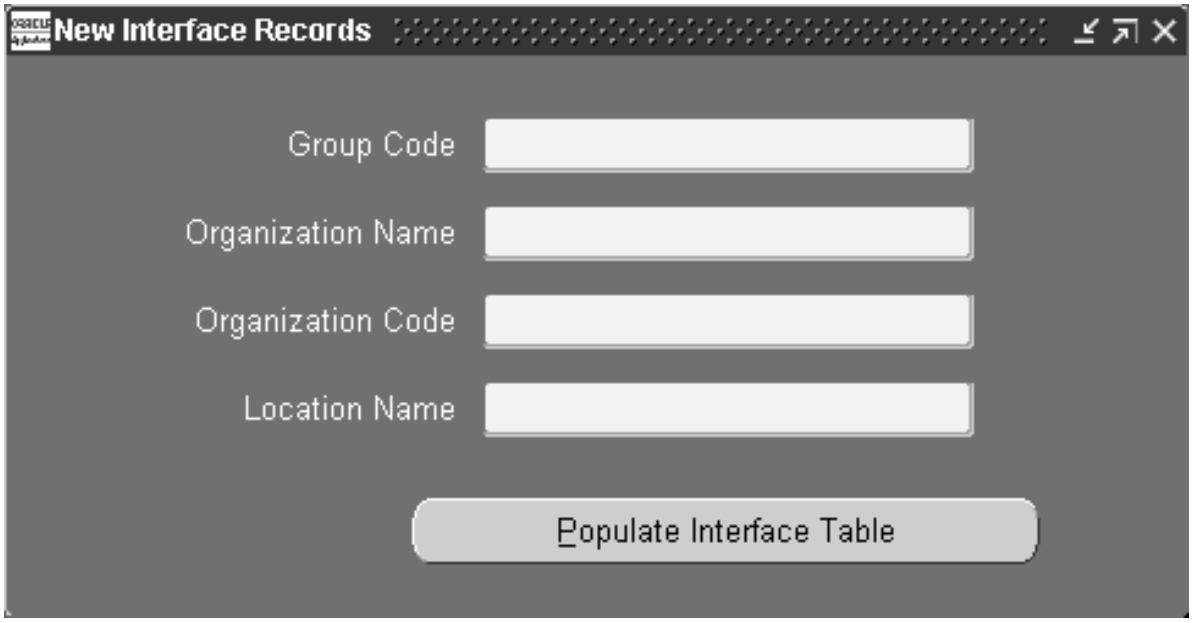
Loading Interface Tables

Populate the Copy Organization Interface table with XML data to customize your new Inventory Organizations.

▶ **Load interface tables:**

You should create an XML document with the minimum organization specific information for each new entity you wish to create.

1. Navigate to the Organization Copy Interface program. On the Find Interface Records form, select New.



2. Indicate the organization name, organization code, and a valid location for each new organization. You can enter any optional information to override data belonging to the source inventory organization.

   Note: If you want to use a new location, provide the required address information in order to define and associate the location with the new organization.

The following table presents example information of what you might load intot the interface tables.

Load Interface Tables

Organization Name	Organization Code	Location
Retail Outlet 40001	R01	Harrisburg
Retail Outlet 40002	R02	Burlington
Retail Outlet 40003	R03	Framingham

3. Save the document as an XML file and place in the Copy Organization Interface Tables.

Copying Organizations

A Java Loader program calls Business Entity APIs to perform the mass copy by copying through the XML interfaces and using data from the interface tables.

▶ **Copy Organizations:**

1. Use the Setup Reports or Submit Requests window and enter *Copy Inventory Organization* in the Name field to submit the report.

2. Enter the following parameters:

Model Organization

Enter the source inventory organization for the copying procedure.

Group Code

Enter the batch name that refers to the XML document created for loading.

Assign to Existing Hierarchies

No	Do not place this organization in every organization hierarchy where the model organization is present.
Yes	Place this organization in every organization hierarchy where the model organization is present.

Copy Shipping Network

No	Do not copy shipping network information.
Yes	Copy shipping network information.

Copy Subinventories

No	Do not copy subinventories and related setups to new organizations.
Yes	Copy subinventories and related setups to new organizations.

Copy Items

No	Do not copy all items activated in the model organization.
Yes	Copy all items activated in the model organization.

Copy Categories

No	Do not copy category information to new organizations.
Yes	Copy category information to new organizations.

Copy BOM

No	Do not copy BOMs and BOM parameters.
Yes	Copy all BOMs, BOM parameters and related setups.

Copy Routings

No	Do not copy routing setup information from the model organization.
Yes	Copy routing setup information from the model organization.

Purge

No	Do not purge Copy Organization Interface Tables.
Yes	Purge Copy Organization Interface Tables.

See Also

Creating an Organization, *Oracle Human Resource Management Systems User's Guide*

Creating Organization Hierarchies, *Oracle Human Resource Management Systems User's Guide*

CHAPTER

3 Units of Measure

Overview of Units of Measure

Oracle Applications products provide powerful methods for defining and manipulating units of measure. You can easily convert between the units you define. This allows you to manufacture, order, or receive items in any unit of measure.

Steps Involved

- Define unit of measure classes. See: Defining Unit of Measure Classes: page 3 – 3.
- Define multiple units of measure to include in each unit of measure class. See: Defining Units of Measure: page 3 – 5.
- Define conversions between units of measure of the same and of different classes. See: Defining Unit of Measure Conversions: page 3 – 7.

Defining Unit of Measure Classes

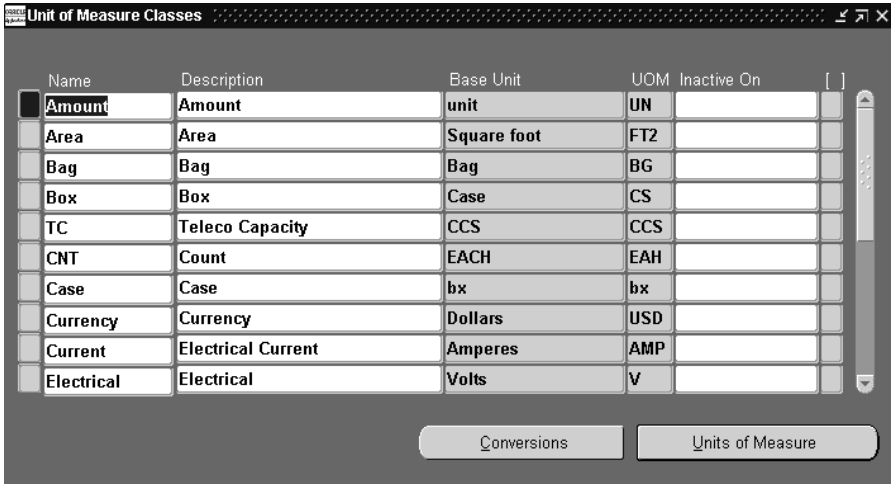
Unit of measure classes represent groups of units of measure with similar characteristics. Creating unit of measure classes is the first step in unit of measure management. Each unit of measure you define must belong to a unit of measure class.

Each class has a base unit of measure. The base unit of measure is used to perform conversions between units of measure in the class. For this reason, the base unit of measure should be representative of the other units of measure in the class, and generally one of the smaller units. For example, you could use CU (cubic feet) as the base unit of a class called Volume.

Unit of measure classes are not organization–specific. Default unit of measure classes are not provided.

▶ **To define a unit of measure class:**

1. Navigate to the Unit of Measure Classes window.



Attention: You should use the Oracle Assets or Oracle Order Management versions of this window only when you use those products *without* Oracle Inventory or Oracle Purchasing. If you use Inventory or Purchasing, you should use their Unit of Measure Classes windows.

When using Oracle Assets, you need to set up units only if you use the units of production depreciation method.

2. Enter a unique name for the unit of measure class.

3. Define the base unit of measure for this class.
4. Define a unique abbreviation for the base unit of measure.

   For example, EA for each or HRS for hours.
5. Save your work.

▶ **To make a unit of measure class inactive:**

- Enter the date on which the unit of measure class becomes inactive.

  As of this date, you can no longer define new units of measure for this class.

See Also

Overview of Units of Measure: page 3 – 2

Examples of Unit of Measure Classes

Unit of Measure Class	Base Unit of Measure	Other Units of Measure
Quantity	each	dozen, box
Weight	gram	pound, kilogram
Time	second	minute, hour
Volume	cubic inches	cubic feet, cubic centimeters

Defining Units of Measure

Units of measure are used by a variety of functions and transactions to express the quantity of items. Defining units of measure is the second step in unit of measure management.

The values defined in the Units of Measure window provide the list of values available in unit of measure fields in other windows.

Units of measure are not organization–specific.

Primary Unit of Measure

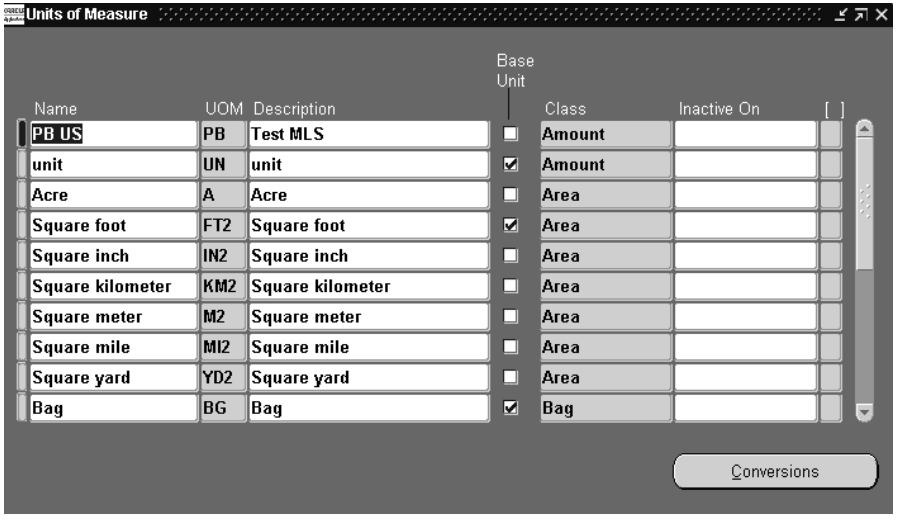
The primary unit of measure is the stocking unit of measure for an item in a particular organization. The primary unit of measure is an item attribute that you specify when defining each item.

Prerequisites

- ❑ You must define at least one unit of measure class. See: Defining Unit of Measure Classes: page 3 – 3.

▶ **To define a unit of measure:**

1. Navigate to the Units of Measure window.



Attention: You should use the Oracle Assets or Oracle Order Management versions of this window only when you use those products *without* Oracle Inventory or Oracle Purchasing. If you use

Inventory or Purchasing, you should use their Units of Measure windows.

When using Oracle Assets, you need to set up units only if you use the units of production depreciation method.

2. Enter a unique name for the unit of measure.
3. Enter a unique abbreviation for the unit of measure with a maximum length of three characters.

   For example, EA for each or HRS for hours.
4. Enter a unit of measure class.
5. Indicate if this is the base unit of measure for the unit of measure class.
6. Save your work.

▶ **To delete a unit of measure:**

- You can delete existing units of measure that are not base units of measure if no standard or item specific conversions are defined.

▶ **To make a unit of measure inactive:**

- Enter the date on which the unit of measure becomes inactive. As of this date, you can no longer assign standard or item–specific conversions to the unit of measure.

See Also

Overview of Units of Measure: page 3 – 2

Examples of Units of Measure

Unit of Measure Class	Unit of Measure	Unit of Measure Code	Base Unit of Measure?
Quantity	each	EA	Yes
Quantity	dozen	DZ	No
Weight	gram	GR	Yes
Weight	kilogram	KG	No

Defining Unit of Measure Conversions

Unit of measure conversions are numerical factors that enable you to perform transactions in units other than the primary unit of the item being transacted. You can define:

- a conversion common to any item (Standard)
- a conversion for a specific item within a unit of measure class (Intra–class)
- a conversion for a specific item between unit of measure classes (Inter–class)

Unit of measure conversions are not organization–specific.

You must define a conversion between a non–base unit of measure and the base unit of measure before you can assign the non–base unit of measure to an item.

Specifying Which Conversion to Use

When you define an item you decide which type of unit of measure conversion to use:

- *Item specific*: Only uses unit of measure conversions unique to this item. If none exist, you can only transact this item in its primary unit of measure.
- *Standard*: Uses standard unit of measure conversions for this item if an item–specific conversion is not available.
- *Both*: Uses both item–specific and standard unit of measure conversions. If both exist for the same unit of measure and item combination, the item–specific conversion is used.

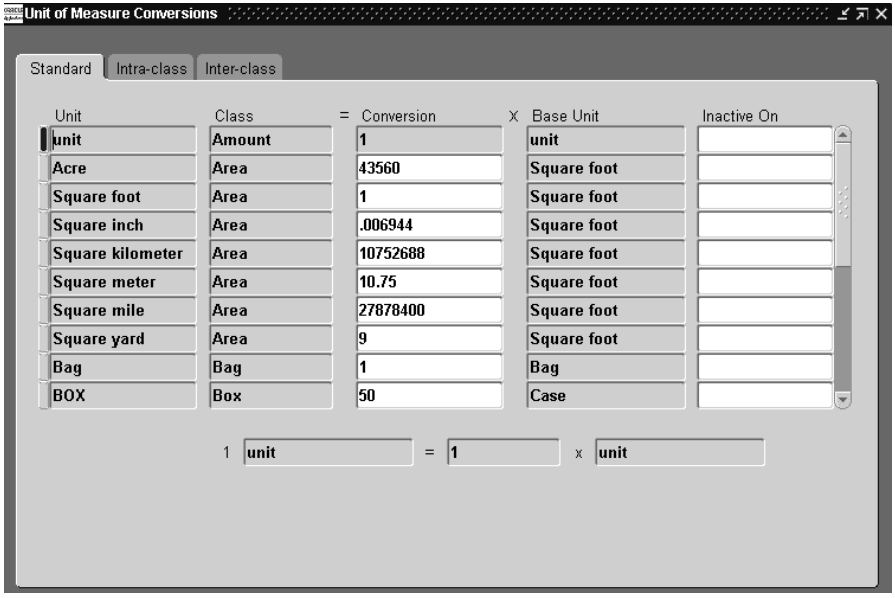
Unit of Measure Conversions During Transactions

Whenever you enter an item's quantity, the default is the primary unit of measure for the item. The list of values for the unit of measure field displays all units of measure for which you have defined standard and / or item–specific conversions from the primary unit of measure.

Transactions are performed in the unit of measure you specify. The conversion happens automatically and item quantities are updated in the primary unit of measure of the item.

Attention: Inventory transactions and on hand balance supports decimal precision to 5 digits after the decimal point. Oracle Work in Process supports decimal precision to 6 digits. Other Oracle Applications support different decimal precision. As a result of the

decimal precision mismatch, transactions another Oracle Application passes may be rounded when processed by Inventory. If the transaction quantity is rounded to zero, Inventory does not process the transaction. It is therefore suggested that the base unit of measure for an item is set up such that transaction quantities in the base unit of measure not require greater than 5 digits of decimal precision.



▶ **To define a Standard conversion for any item:**

1. Navigate to the Unit of Measure Conversions window.
2. Select the Standard tabbed region.
3. Enter a unit of measure.
4. Enter the conversion factor by which the unit of measure is equivalent to the base unit of measure established for this class.

   For example, if one DZ (this unit of measure) is equivalent to 12 EA (base unit), the conversion factor is 12. Or, if EA is equal to one–twelfth of a DZ, the conversion factor is 0.08333.
5. Save your work.

▶ **To define a conversion for a specific item within a unit of measure class (Intra–class):**

1. Navigate to the Unit of Measure Conversions window.
2. Select the Intra–class tabbed region.
3. Enter an item.
4. Enter a unit of measure.
5. Enter the conversion factor by which the unit of measure is equivalent to the base unit of measure established for this class.

   For example, if one LB (this unit of measure) is equivalent to 16 OZ (base unit), the conversion factor is 16.
6. Save your work.

▶ **To define a conversion for a specific item between unit of measure classes (Inter–class):**

1. Navigate to the Unit of Measure Conversions window.
2. Select the Inter–class tabbed region.
3. Select an item.
4. Select the destination base unit of measure of the class to which you are converting a unit of measure.
5. Enter the conversion factor by which the source base unit is equivalent to the destination base unit.

   For example, if one ML (source base unit) is equivalent to one GR (destination base unit), the conversion factor is one.
6. Save your work.

▶ **To make a unit of measure conversion inactive:**

- Enter the date on which the conversion becomes inactive.

  As of this date, you can no longer use the unit of measure conversion.

See Also

Overview of Units of Measure: page 3 – 2

Examples of Unit of Measure Conversions

Standard Conversions

Unit of Measure Class	Unit of Measure	Unit of Measure Code	Base Unit of Measure?	Standard Conversion
Quantity	each	EA	Yes	—
Quantity	dozen	DZ	No	1 DZ = 12 EA
Weight	gram	GR	Yes	—
Weight	pound	LB	No	1 LB = 454 GR
Time	second	SE	Yes	—
Time	minute	MI	No	1 MI = 60 SE

Item–specific Intra–class Conversions

Item	Unit of Measure Class	Unit of Measure	Unit of Measure Code	Conversion
soda pop	Quantity	case	CS	1 CS = 24 EA
canned tomatoes	Quantity	case	CS	1 CS = 10 EA

Item–specific Inter–class Conversions

Item	Destination Base Unit	Class	Conversion	Source Base Unit	Class	Mathematical Relationship
gasoline	gram	Weight	1.35	milliliter	Volume	1.35 ML = 1 GR
water	gram	Weight	1	milliliter	Volume	1 ML = 1 GR

CHAPTER

4 Item Setup and Control

Overview of Item Setup and Control

You must set certain controls and reference options before defining items. These enable you to maintain, group, reference, query, and delete your items. Once you have defined items, you can set up other parameters, such as item cross references, to control the use of items.

Steps Involved

- Create an Item Master organization to define all of your items. This enables you to assign items to other organizations without re–creating all of the item information. See: Implementing the Item Master Organization: page 4 – 4.
- Set attribute control levels. Choose between centralized and decentralized control of item attributes. For each item attribute, you can determine whether the value of the attribute should be the same for an item in every organization in which you define the item. See: Defining Item Attribute Controls: page 4 – 17.
- Define container types for the physical attribute group. See: Defining Container Types: page 4 – 19.
- Set status controls to use attributes, such as Purchasable and Transactable, to control the functionality of each item. You can set them for any type of item status. See: Defining Item Status Codes: page 4 – 21.
- Define picking rules for the Order Management attribute group. See: Defining Picking Rules: page 4 – 25.
- Define item types to use when defining items. These values appear in the list of values for the User Item Type item attribute. See: Defining Item Types: page 4 – 27.
- Define templates to assign major attributes that are the same for a group of items. Apply the template when you create an item, and fill in only the item attributes not already defined by the template. See: Defining Item Templates: page 4 – 35.
- Define cross–references to establish relationships between items and entities such as old item numbers or supplier item numbers. See: Defining Cross–Reference Types: page 4 – 39.
- Define commodity codes for use in customer items. See: Defining Commodity Codes: page 4 – 43.

- Define customer items and customer item cross–references. See: Defining Customer Items: page 4 – 45 and Defining Customer Item Cross References: page 4 – 49.
- Define categories and category sets to group items for various reports and programs. A category is a grouping of items with similar characteristics. A category set is a grouping of categories. See: Defining Categories: page 4 – 53, Defining Category Sets: page 4 – 55, and Defining Default Category Sets: page 4 – 60
- Define item catalogs to group items that share similar descriptive elements. Use the catalogs to search for items by descriptive elements instead of by part number. See: Defining Item Catalog Groups: page 4 – 77.
- Optionally, define delete constraints that are verified before you can delete an item. See: Creating Custom Delete Constraints, *Oracle Bills of Material User's Guide*.

See Also

Overview of Items: page 5 – 2

Implementing the Item Master Organization

You define items in one organization. To distinguish it from others, we call it the Item Master organization. Other organizations (child organizations) refer to the Item Master for item definition. After you define an item in the Item Master, you can assign it to any number of other organizations.

There is no functional or technical difference between the Item Master organization and other organizations. However, for simplicity, Oracle recommends that you limit the Item Master to just an item definition organization.

Oracle also recommends that you do not define multiple item masters. This can make item definition and maintenance confusing. In addition, multiple item masters are distinct entities, with no relationship to each other. You cannot associate items in one item master organization with another item master organization. You cannot copy items across item master organizations.

▶ **To create the item master:**

1. Use the Organization window to create the organization you want to use as the Item Master. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.
2. Use the Organization Parameters window to specify that organization as the Item Master. See: Defining Organization Parameters: page 2 – 4.

   This is also where you assign child organizations to the Item Master. The item master organization uses itself as the Item Master.

See Also

Overview of Item Setup and Control: page 4 – 2.

Item Master Business Example

Suppose you have a distribution warehouse and a manufacturing factory. In the warehouse, the item has independent demand and is min–max planned. In the factory, the item is MRP planned and built.

Using an Item Master with a warehouse and a factory as the other organizations, you define the item just once—in the Item Master. Next, you assign the item to both the warehouse and the factory. Finally, you change the planning and build attributes in each organization to describe the different behavior of the items in those organizations. You do not have to change any other information about the item; in fact, because information such as unit of measure, description, and so on is maintained at the Master level, you know it is consistent in each organization.

See Also

Implementing the Item Master Organization: page 4 – 4

Item Attribute Controls

Item attributes are information about an item, such as order cost, lead time, and revision control.

One of the prerequisites for defining items (and assigning values to item attributes) is setting attribute controls. There are two types of attribute control:

- *Control level* (Master level vs. Org level): Determines whether you have centralized (Master level) or decentralized (Organization level) control of item attributes.

  Attributes maintained at the Master level have the same attribute values in each organization in which an item is assigned. For example, you maintain an item's primary unit of measure at the Master level.

  Attributes maintained at the Organization level may have different attribute values in different organizations. For example, an item may be min–max planned in a distribution organization but MRP planned in a production organization.

- *Status control*: Describes whether certain status attributes have default values that appear when you assign a status code to an item, and whether status codes control those attribute values after the defaults are assigned to an item.

  The status attributes are:

  – BOM Allowed

  – Build in WIP

  – Customer Orders Enabled

  – Internal Orders Enabled

  – Invoice Enabled

  – Transactable

  – Purchasable

  – Stockable

See Also

Status Attributes and Item Status Control: page 4 – 9

Item Attributes Listed by Group Name: page 5 – 20

Defining Item Attribute Controls: page 4 – 17
Item Defining Attributes: page 4 – 8
Relationships Between Attributes: page 4 – 12

Item Defining Attributes

An item defining attribute identifies the nature of an item. What designates an item as an "engineering item" is the attribute *Engineering Item*, but what controls the functionality of the item are the collection of attributes that describe it. You can buy an engineering item if you want to; simply set *Engineering Item*, *Purchased*, and *Purchasable* to *Yes.*

The following table presents item defining attributes:

Item Defining Attributes

Functional Area	Item Defining Attribute
Oracle Inventory	Inventory Item
Oracle Purchasing	Purchased, or Internal Ordered Item
Oracle Master Scheduling/MRP and Oracle Supply Chain Planning	MRP Planning Method
Oracle Cost Management	Costing Enabled
Oracle Engineering	Engineering Item
Oracle Order Management	Customer Ordered Item
Oracle Service	Support Service, or Serviceable Product

When you set an item defining attribute to *Yes***,** the item is automatically assigned to the default category set of the corresponding functional area. For example, if you set *Inventory Item* to *Yes***,** the item is automatically assigned to the default category set for the Inventory functional area.

See Also

Defining Default Category Sets: page 4 – 60

Item Attributes Listed by Group Name: page 5 – 20

Defining Item Attribute Controls: page 4 – 17

Status Attributes and Item Status Control

Status attributes enable and disable the functionality of an item over time. Each status attribute allows you to enable the item for a particular use. For example, if you set the status attribute *Purchasable* to *Yes*, you can put the item on a purchase order.

The status attributes are related to the item defining attributes. You cannot enable a status attribute if you do not set the corresponding item defining attribute to *Yes*.

The following table presents status attributes:

Status Attributes

Status Attribute	Item Defining Attribute	Functional Area / Oracle Product	Functionality
Stockable	Inventory Item	Inventory	Allows you to store the item in an asset subinventory.
Transactable	Inventory Item	Inventory, Order Management, Purchasing, Work in Process	Allows you to transact the item in Oracle Inventory, Oracle Order Management, Oracle Purchasing and Oracle Work in Process.
Purchasable	Purchased	Purchasing	Allows you to place the item on a purchase order.
Build in WIP	–	Work in Process	Allows you to build the item on a discrete job, and/or repetitive schedule.
Customer Orders Enabled	Customer Ordered Item	Order Management	Allows you to place the item on a sales order.
Internal Orders Enabled	Internal Ordered Item	Inventory, Order Management, Purchasing	Allows you to create an internal sales order for the item
BOM Allowed	Inventory Item	Bills of Material	Allows you to create a bill of material for the item
Invoice enabled	Invoiceable Item	Receivables	Allows you to create an invoice for the item

You set status control for a status attribute with the Item Attributes Control window.

Interdependences for Status Attributes

Each status attribute is dependent on the value of at least one other attribute. For example, you cannot set *Stockable* to *Yes* if you set *Inventory Item* to *No*. The following table presents interdependences for the status attributes:

Interdependences for Status Attributes

Attribute	Must be set to	If
Stockable	No	Inventory Item is set to *No*
Transactable	No	Stockable is set to *No*
Purchasable	No	Purchased is set to *No*
Build in WIP	No	Inventory Item is set to *No* OR BOM Item Type is NOT set to *Standard*
Customer Orders Enabled	No	Customer Ordered Item is set to *No*
Internal Orders Enabled	No	Internal Ordered Item is set to *No*
BOM Allowed	No	Inventory Item is set to *No*
Invoice Enabled	No	Invoiceable Item is set to *No*

Item Status Control

When defining an item, you can use the item attribute *Item Status* to control status attribute values. You determine the list of values for the *Item Status* attribute by defining Item Status Codes. An Item Status Code has a user–defined set of Yes / No values for the status attributes. The values are applied to the status attributes when you choose an Item Status Code when defining an item. For example, assume you define an Item Status named *Prototype* with all status attributes set to *Yes* except for *Customer Orders Enabled*. Next, you define another Item Status, *Active*, with all status attributes set to *Yes*. In the beginning of a product development cycle, assign the status code *Prototype* to an item so that you cannot place the item on a sales order. Later, assign the status code *Active* to allow all functions for the item. See: Defining Item Status Codes: page 4 – 21.

Pending Statuses

Use pending statuses to automatically update an item's status on a specified date. For each item, specify a list of pending statuses and the

corresponding effective dates. See: Defining and Viewing Pending Statuses: page 4 – 23.

See Also

Item Attributes Listed by Group Name: page 5 – 20

Defining Item Attribute Controls: page 4 – 17

Relationships between Attributes

When you define items, Oracle Inventory enforces particular relationships between some of the item attributes:

- Required attribute—you must enter a value for the attribute based on the settings for other related attributes.
- Interdependent attributes—you can enter only certain values depending on other attribute values.
- Updatable attributes—you can update values under certain conditions.
- Control level dependencies—you can update the control level of some attributes only under special conditions and with certain consequences.

Required Attribute Values

You must enter values for certain attributes if some related attributes have values as shown in the following table:

Required Attribute Values

Attribute	If
Demand Time Fence Days	Demand Time Fence is set to *User–defined*
Encumbrance Account	Reverse Encumbrance parameter is set to *Yes*
Expense Account	Inventory Asset Value is set to *No* and Inventory Item is set to *Yes*
Outside Processing Unit Type	Outside Processing Item is set to *Yes*
Planning Time Fence Days	Planning Time Fence is set to *User–defined*
Release Time Fence Days	Release Time Fence is set to *User–defined*
Repetitive Planning	MRP Planning Method is set to *MPS planning* OR *MRP planning*
Service Duration	Service Duration Period is not null
Shelf Life Days	Lot Expiration (Shelf Life) Control is set to *Item shelf life days*
Source Organization	Replenishment Source Type is set to *Inventory*
Starting Lot Number	Lot Control is set to *Full lot control*
Starting Lot Prefix	Lot Control is set to *Full lot control*

Attribute	If
Starting Serial Number	Serial Number Control is set to *Predefined serial numbers*
Starting Serial Prefix	Serial Number Control is set to *Predefined serial numbers*

Interdependent Attributes

Certain attribute values depend on other attribute values. For example, *Planning Method* must be *Not Planned* if *Pick Components* is set to *Yes. T*he attribute interdependences are:

Interdependent Attributes

Attribute	Must be	If
Assemble to Order	No	Pick Components is set to *Yes* OR BOM Item Type is set to *Planning*
Assemble to Order OR Pick Components	Yes	BOM Item Type is set to *Model* OR *Option Class*
ATP Components	No	Pick Components equals *No* AND Assemble to Order equals *No* AND WIP Supply Type is NOT *Phantom*
Base Model	Null	BOM Item Type does NOT equal *Standard* OR Pick Components is set to *Yes*
BOM Allowed	No	Inventory Item is set to *No*
Build in WIP	No	Inventory Item is set to *No* OR BOM Item Type does NOT equal *Standard*
Container Type	Null	Container is set to *No*
Costing Enabled	Yes	Inventory Asset is set to *Yes*
Customer Ordered	No	BOM Item Type is set to *Planning*
Customer Orders Enabled	No	Customer Ordered is set to *No*
Demand Time Fence Days	null	Demand Time Fence is NOT *User–defined*
Internal Ordered	No	BOM Item Type does NOT equal *Standard*
Internal Orders Enabled	No	Internal Ordered is set to *No*
Internal Volume	Null	Container and Vehicle are both set to *No*
Invoice Enabled	No	Invoiceable Item is set to *No*
Lead Time Lot Size	1	Repetitive Planning is set to *Yes*
Maximum Load Weight	Null	Container and Vehicle are both set to *No*

Attribute	Must be	If
Minimum Fill Percentage	Null	Container and Vehicle are both set to *No*
Pick Components	No	Assemble to Order is set to *Yes* OR BOM Item Type is set to *Planning* OR Planning Method does NOT equal *Not planned*
Pick Components	Yes	Ship Model Complete is set to *Yes*
Planning Time Fence Days	null	Planning Time Fence is NOT *User–defined*
Planning Method	Not Planned	Pick Components is set to *Yes*
Postprocessing lead time	0 (Zero)	Make or Buy is set to *Make*
Purchasable	No	Purchasing Item is set to *No*
Release Time Fence Days	null	Release Time Fence is NOT *User–defined*
Restrict Locators	Locators not restricted to predefined list	Restrict Subinventories is set to *Subinventories not restricted to predefined list*
Restrict Locators	Locators not restricted to predefined list	Stock Locator Control is set to *Dynamic entry locator control*
Restrict Subinventories	Subinventories restricted to predefined list	Restrict Locators is set to *Locators restricted to predefined list*
Serviceable Product	No	Support Service is set to *Yes*
Shippable	No	BOM Item Type is set to *Planning*
Stockable	No	Inventory Item is set to *No*
Stock Locator Control	No loc. control OR Pre–specified loc. control	Restrict Locators is set to *Locators restricted to predefined list*
Support Service	No	Serviceable Product is set to *Yes*
Transactable	No	Stockable is set to *No*

Updatable Attributes

You may change the values of some attributes in special cases. The following table shows updatable attributes and the conditions under which you can change their values:

Updatable Attributes

Attribute	Updatable	If
ATP Components	from *No* to *Yes*	Assemble to Order equals *Yes* OR Pick Components equals *Yes* OR WIP Supply Type equals *Phantom*
BOM Item Type	No	Bill of Material exists OR Exists as a component of a BOM OR Exists as a substitute component of a *standard* BOM. Exception: Can change from *Product Family* for components and substitute components.
Costing Enabled	Yes	No on–hand quantity exists
Demand Time Fence Days	Yes	Demand Time Fence equals *User–defined time fence*
Inventory Asset Value	Yes	No on–hand quantity exists
Lot Control	Yes	No on–hand quantity exists
OE Transactable	from *Yes* to *No* With a warning	No demand exists If open sales order line exists with a value different from the new value
Outside Processing Unit	Yes	Purchasing Item equals *Yes*
Planning Time Fence Days	Yes	Planning Time Fence equals *User–defined time fence*
Release Time Fence Days	Yes	Release Time Fence equals *User–defined time fence*
Repetitive Planning	Yes	Not scheduled by MRP
Reservation Control	Yes	No demand exists
Revision Control	Yes With a warning	No on–hand quantity exists If open sales order line exists with a value different from the new value
Serial Number Control	Yes	No on–hand quantity exists
Shelf Life Control	Yes	No on–hand quantity exists
Shippable	With a warning	If open sales order line exists with a value different from the new value

Control Level Dependences

You can change the control level of some attributes only in special cases or with certain consequences. The following table shows attributes with conditionally updatable control levels and the consequences of changing the control level.

Control Level Dependences

Attribute	Updatable To	If	Consequences
Item Status	Master Level	No pending statuses exist in any child org	All status attributes under status control or default control are updated
Inventory Asset Value *or* Costing Enabled	Master Level	Organization with WIP parameters defined uses itself as the Master org for costing (cannot point to a different org for costing when WIP parameters are defined)	—
—	—	Item costs are the same across organizations	—
Inventory Asset Value	Master or Org Level	—	Costing Enabled is updated to the same level
All Item Defining Attributes	Org Level	Default category set for the functional area is maintained at the Org Level	—

See Also

Defining Items: page 5 – 6

Item Attributes Listed by Group Name: page 5 – 20

Item Attributes Listed in Alphabetical Order: page 5 – 28

Overview of Item Setup and Control: page 4 – 2.

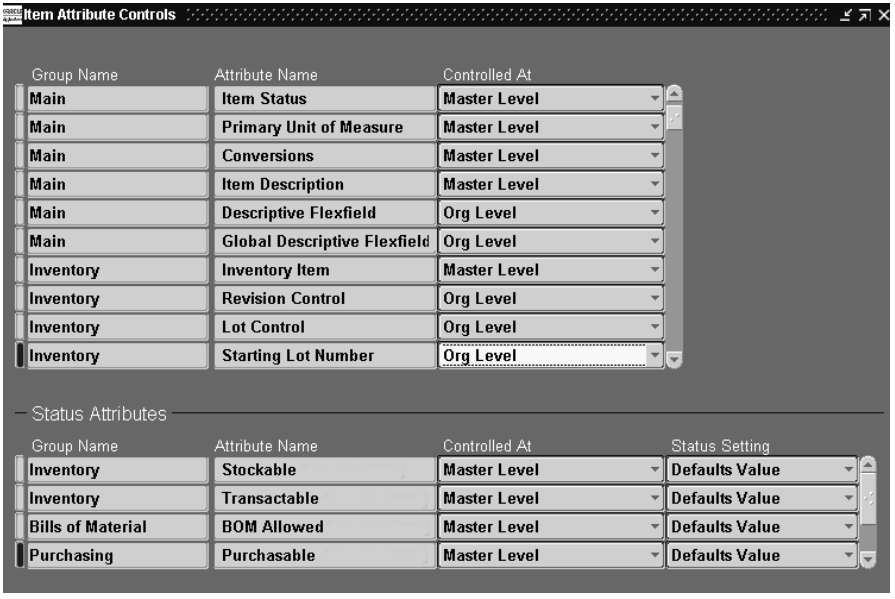
Defining Item Attribute Controls

You can choose between centralized and decentralized control of item attributes. The control level you define for an attribute applies to all items. Defining attribute controls does not determine the value of an attribute, only the level at which it is controlled. You assign values to the attributes when you define an item.

Attention: Oracle strongly recommends that you create only one Item Master organization. Assign all other organizations to this master. This allows you to associate the same item with a variety of assigned organizations—eliminating the need to replicate identical items between organizations. This documentation assumes you are using a single Item Master.

▶ **To define item attribute controls:**

1. Navigate to the Item Attribute Controls window.



2. Scan the information displayed in the Group Name and Attribute Name fields to locate the desired attribute.

   The *Group Name* field displays the name for a group of attributes. Attributes are grouped by function, such as *Main*, *Inventory*, and *Receiving*. When you define or update items, define templates, or

view item attributes, you can display the attributes for a particular group. This makes it easier to locate a specific attribute.

3. Select a control level for the attribute.

   Master Level: Define and maintain this attribute at the Master level. For the same item, the values of this attribute are identical across all organizations.

   Org Level: Define and maintain this attribute at the Organization level. For the same item, each organization may define a different value for this attribute.

Attention: Some attributes can only be set at a specific level. In these cases, you have only one option. See: Master Level vs. Organization Level: page 5 – 4.

4. Choose a status setting for each status attribute.

   Defaults Value: Value of this attribute, as defined by the status code, defaults when you assign the status to an item. You can change this default value.

   Not Used: Use neither default nor status control.

   Sets Value: Value of this attribute, as defined by the status code, defaults when you assign the status to an item. Once assigned, you cannot change the default.

5. Save your work.

See Also

Item Attribute Controls: page 4 – 6

Defining Item Status Codes: page 4 – 21

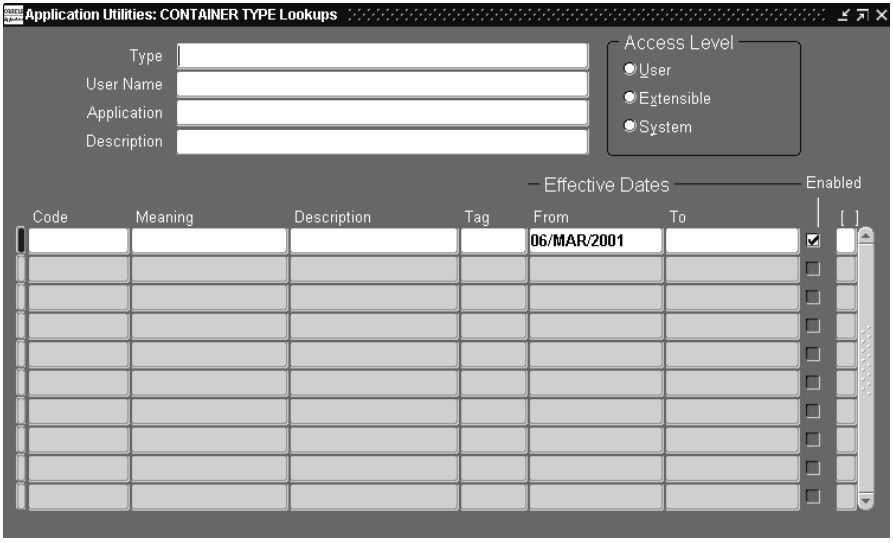
Defining Items: page 5 – 6

Defining Container Types

Container Types are used in defining physical attributes of items.

▶ **To define a container type:**

1. Navigate to the Container Types window from the menu.



2. Enter a unique container type name.
3. Enter a description of the type.
4. Save your work.

▶ **To make a container type inactive:**

- Enter the date on which the container type becomes inactive. As of this date, you cannot use this type when defining physical attributes.

▶ **To delete a container type:**

- You can delete a container type if it has not been used in defining physical attributes for an item.

See Also

Physical Attributes Group: page 5 – 69

Defining Item Status Codes

You can use statuses to provide default values for certain item attributes to control the functionality of an item. When you update the values for a status, all items to which it is assigned are also updated.

Attention: When your current organization is not the Item Master organization, the organization is temporarily changed to the Item Master organization until you exit this window. You can use the statuses created here in all defined organizations.

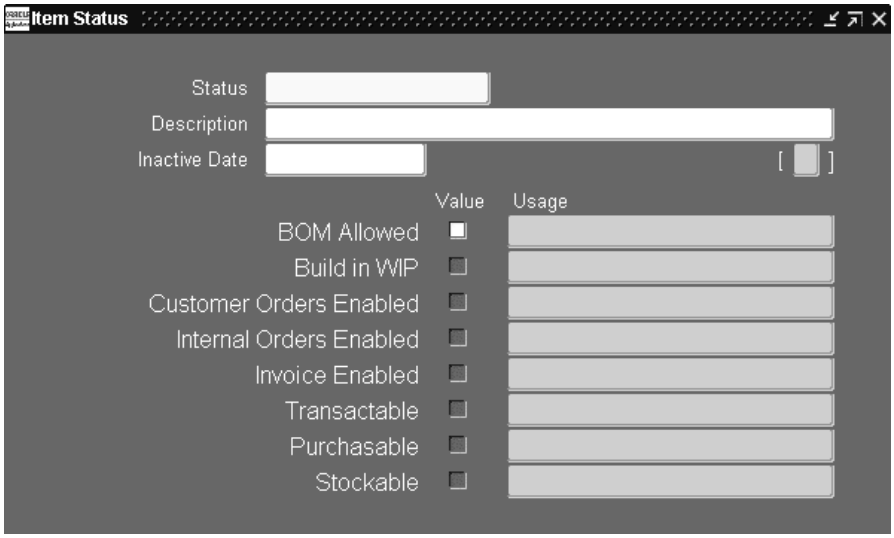
A status code controls certain item attributes designated as *status attributes.* The status attributes are:

- BOM Allowed
- Build in WIP
- Customer Orders Enabled
- Internal Orders Enabled
- Invoice Enabled
- Transactable
- Purchasable
- Stockable

Associated with each status attribute is a Status Setting option. This option determines whether a status attribute value is set by the status code and is not updatable, defaulted and updatable, or not used when you define an item. You choose a Status Setting for a status attribute with the Item Attributes Controls window. You assign a status code to an item when you define the item. See: Status Attributes and Item Status Control: page 4 – 9.

▶ **To define an item status:**

1. Navigate to the Status window.



2. Enter a unique name for the status code.
3. For each attribute, use the Value option to indicate the functionality that is controlled by the status code.
4. Save your work.

▶ **To delete an item status:**

- You can delete a status if it has not been used.

▶ **To make an item status inactive:**

- Enter the date on which the item status becomes inactive.

  As of this date, you can no longer assign this status to an item. The status remains valid for items to which it is already assigned.

See Also

Status Attributes and Item Status Control: page 4 – 9

Defining Item Attribute Controls: page 4 – 17

Defining and Viewing Pending Statuses

You can assign one or more pending statuses for an item, to be implemented on future dates. These statuses become effective on their assigned effective dates. You can also view the history of an item status.

▶ **To create a pending status:**

1. Navigate to the Master Items Summary window and select an item.
2. Choose Pending Status from the Tools menu to navigate to the Item Status History window.

3. Enter the effective date. This is the date on which the pending status becomes effective for the item.
4. Enter the name of the status to be implemented on the effective date.
5. Save your work.

▶ **To update an item with a pending status:**

1. Navigate to the Master Items Summary window and select an item.
2. Choose Pending Status from the Tools menu to navigate to the Item Status History window.
3. Select a pending status.
4. Choose Implement to submit the process.

   Note: You can also submit the request from the All Reports or Pending Status window by entering U*pdate item statuses with pending statuses* in Name field. Enter an item and organization (if necessary), and choose Submit.

▶ **To view status history:**

1. Navigate to the Master Items Summary window and select an item.
2. Choose Pending Status from the Tools menu to navigate to the Item Status History window.
3. View the information in the Implemented Date, Effective Date, and status Name fields.

See Also

Defining Item Status Codes: page 4 – 21

Status Attributes and Item Status Control: page 4 – 9

Defining Picking Rules

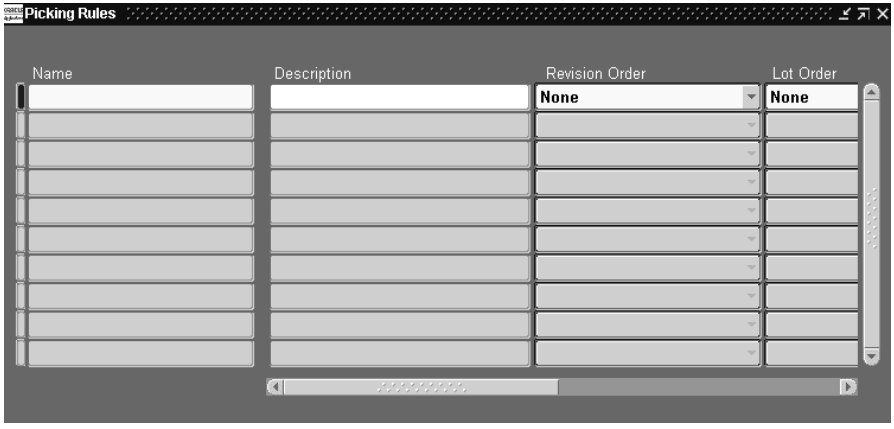
When you define an item you choose a picking rule to determine the order in which revisions, lots, subinventories, and locators are picked for sales order.s. Oracle Shipping Execution submits requests to Oracle Inventory, which uses the information you enter in the Picking Rules window to generate pick lists for sales orders.

If you choose *None* for any of the criteria fields, Inventory ignores that criterion. For example, if you choose *None* for Revision, Inventory picks units of an item without regard to revision levels.

Oracle Inventory looks at the picking criteria in the order in which they appear in the Picking Rules window. Then, Inventory looks at the options (except for *None* options) for each criterion in the order in which they appear beneath each criterion.

▶ **To define a picking rule:**

1. Navigate to the Picking Rules window.



2. Enter a unique name for the rule.
3. Select an option for revision order:

   Revision: Pick most recent revision.

   Effective Date: Pick earliest revision effective date.

   None: Do not consider revision levels in the picking process.
4. Select an option for lot order:

   Expiration Date: Pick earliest lot expiration date.

Receipt Date: Pick earliest lot receipt date, the date you received items into their current location.

Lot Number: Pick lowest lot number.

None: Do not consider lot numbers in the picking process.

5. Select an option for subinventory order:

   Subinventory: Pick by order defined for each subinventory.

   Receipt Date: Pick earliest subinventory receipt date.

   None: Do not consider subinventories in the picking process.

6. Select an option for locator order:

   Locator: Pick items according to the picking order defined for each locator.

   Receipt Date: Pick items according to the earliest locator receipt date.

   None: Do not consider locators in the picking process.

7. Save your work.

▶ **To delete a picking rule:**

- You can delete a picking rule if there are no references to it.

See Also

Overview of Item Setup and Control: page 4 – 2.

Organization Parameters Window: page 2 – 4

Defining Item Types

The User Item Type item attribute is a QuickCode you use when you define an item. You can use the types provided by Oracle Inventory or create your own.

▶ **To define your own item types:**

1. Navigate to the Item Type QuickCodes window. The *User* access level is selected indicating you can add or modify QuickCodes without restriction.

2. Enter a unique alphanumeric code describing the item type. You can define a maximum of 250 QuickCodes for a single QuickCode type.

   You cannot change the values in this field after saving them. To remove an obsolete QuickCode you can either disable the code, enter an end date, or change the meaning and description to match a replacement code.

3. Enter the meaning of the item type. Inventory uses this value in the list of values for the User Item Type item attribute in the Items window.

4. Optionally, enter from and to effective dates.

If you enter an Effective From date you cannot use the item type before this date. If you leave this field blank, the item type is valid immediately.

If you enter an Effective To date you cannot use the item type after this date. Once an item type expires, you cannot define items using the item type, but *can* query items that already use the item type. If you do not enter an end date, your item type is valid indefinitely.

5. Indicate whether the item type is enabled. An item type must be enabled before you can define items using the item type. If you disable an item type you cannot use it to define items but *can* query items that already use this item type.
6. Save your work.

See Also

QuickCodes, *Oracle Applications User's Guide*

Main Attribute Group: page 5 – 39

Overview of Item Setup and Control: page 4 – 2.

Item Templates

Templates are defined sets of attributes that you can use over and over to create many similar items. Templates make initial item definition easier. Oracle recommends that you use templates—either those Oracle provides or those you define—when you define your items.

Templates Shipped by Oracle

The following three tables describe the templates provided by Oracle. Each table shows a different set of templates.

Templates Table #1:

- ATO Model
- ATO Option Class
- ATO Item
- Finished Good
- Kit

Attributes	ATO Model	ATO Option Class	ATO Item	Finished Good	Kit
Assemble to Order	Yes	Yes	Yes	No	No
BOM Item Type	Model	Option Class	Standard	Standard	Standard
BOM Allowed	Yes	Yes	Yes	Yes	Yes
Build in WIP			Yes	Yes	
Costing Enabled	Yes	Yes	Yes	Yes	Yes
Customer Ordered Item	Yes	Yes	Yes	Yes	Yes
Customer Orders Enabled	Yes	Yes	Yes	Yes	Yes
Forecast Control	Consume and Derive	Consume and Derive	Consume and Derive	Consume and Derive	Consume and Derive
Include in Rollup	Yes	Yes	Yes	Yes	Yes
Inventory Asset Value	Yes	Yes	Yes	Yes	Yes
Inventory Item	Yes	Yes	Yes	Yes	Yes
Invoiceable Item	Yes		Yes	Yes	Yes
Invoice Enabled	Yes		Yes	Yes	Yes

Attributes	ATO Model	ATO Option Class	ATO Item	Finished Good	Kit
MRP Planning Method	MPS Planning	MRP Planning	MRP Planning	MPS Planning	Not Planned
Make or Buy	Make	Make	Make	Make	Make
OE Transactable	Yes	Yes	Yes	Yes	Yes
Outside Processing Item	–	–	–	–	–
Pick Components	No	No	No	No	Yes
Purchased	No	No	No	No	No
Purchasable	–	–	–	–	–
Reservation Control	–	–	Reserv-able	Reserv-able	–
Rounding Control	–	–	Round order quantities	Round order quantities	–
Ship Model Complete	Yes	–	–	–	–
Shippable	–	–	Yes	Yes	–
Stockable	–	–	Yes	Yes	–
Transactable	–	–	Yes	Yes	–
User Item Type	ATO model	ATO Option Class	ATO Item	FG	K
WIP Supply Type	Assembly pull	Phantom	Push	Push	Assembly pull

Templates Table #2:

- Outside Processing Item
- PTO Model
- PTO Option Class
- Phantom Item
- Planning Item

Attributes	Outside Processing Item	PTO Model	PTO Option Class	Phantom Item	Planning Item
Assemble to Order	No	No	No	No	No
BOM Item Type	Standard	Model	Option Class	Standard	Planning
BOM Allowed	–	Yes	Yes	Yes	Yes
Build in WIP	–	–	–	–	Yes
Costing Enabled		Yes	Yes	Yes	–
Customer Ordered Item	No	Yes	Yes	No	–
Customer Orders Enabled	–	Yes	Yes	–	–
Forecast Control	–	Consume and Derive	Consume and Derive	–	–
Include in Rollup	–	Yes	Yes	Yes	–
Inventory Asset Value	–	Yes	Yes	Yes	–
Inventory Item	No	Yes	Yes	Yes	Yes
Invoiceable Item	–	Yes	–	–	–
Invoice Enabled	–	Yes	–	–	–
MRP Planning Method	MRP planning	Not Planned	Not Planned	MRP planning	Not Planned
Make or Buy	–	Make	Make	Make	–
OE Transactable	–	Yes	Yes	Yes	–
Outside Processing Item	Yes	–	–	–	–
Pick Components	No	Yes	Yes	No	No
Purchased	Yes	No	No	No	No
Purchasable	Yes	–	–	–	–
Reservation Control	–	–	–	–	–
Rounding Control	–	–	–	–	–
Ship Model Complete	–	Yes	–	–	–
Shippable	–	–	–	–	–
Stockable	–	–	–	–	–
Transactable	–	–	–	–	–
User Item Type	OP	PTO Model	PTO Option Class	PH	PL
WIP Supply Type	Supplier	–	Phantom	Phantom	–

Templates Table #3:

- Purchased
- Reference Item
- Subassembly
- Supply Item
- Freight
- Product Family

Attributes	Purchased Item	Reference Item	Subassembly	Supply Item	Freight	Product Family
Assemble to Order	No	No	No	No	–	No
ATP Components	–	–	–	–	–	No
BOM Item Type	Standard	Standard	Standard	Standard	–	Product Family
BOM Allowed	Yes	–	Yes	Yes	–	Yes
Build in WIP	–	–	Yes	–	–	No
Check ATP	–	–	–	–	–	None
Costing Enabled	Yes	–	Yes	–	–	Yes
Customer Ordered Item	Yes	Yes	No	No	No	No
Customer Orders Enabled	Yes	–	–	–	Yes	No
Cycle Count Enabled	–	–	–	–	–	No
Engineering Item	–	–	–	–	–	No
Forecast Control	Consume and Derive	–	Consume and Derive	–	–	–
Include in Rollup	Yes	–	Yes	–	–	No
Internal Ordered Item	–	–	–	–	–	No
Internal Orders Enabled	–	–	–	–	–	No
Inventory Asset Value	Yes	–	Yes	–	–	Yes
Inventory Item	Yes	No	Yes	Yes	–	Yes
Invoiceable Item	Yes	–	–	–	Yes	No
Invoice Enabled	Yes	–	Yes	–	Yes	No
Make or Buy	Buy	–	Make	Buy		Make
MRP Planning Method	MRP planning	Not planned	MRP planning	Not planned	–	Not planned

Attributes	Purchased Item	Reference Item	Subassembly	Supply Item	Freight	Product Family
OE Transactable	Yes	–	Yes	–	–	No
Outside Processing Item	–	–	–	–	–	No
Pick Components	No	No	No	No	–	No
Primary Unit of Measure	–	–	–	–	–	Each
Purchasable	Yes	–	–	Yes	–	No
Purchased	Yes	No	No	Yes	–	No
Release Time Fence	–	–	–	–	–	Do Not Autorelease
Reservation Control	Reservable	–	–	–	–	–
Rounding Control	Round order quantities	–	Round order quantities	–	–	–
Serviceable Product	–	–	–	–	–	No
Ship Model Complete	–	–	–	–	–	–
Shippable Item	Yes	–	–		Yes	No
Stockable	Yes	–	Yes	Yes	–	No
Support Service	–	–	–	–	–	No
Transactable	Yes	–	Yes	Yes	Yes	No
Use Approved Supplier	–	–	–	–	–	No
User Item Type	P	REF	SA	SI	Freight	Product Family
Warranty	–	–	–	–	–	No
WIP Supply Type	Assembly pull	–	Operation pull	Bulk	–	–

User–defined Templates

You can also define your own templates using the Item Templates window. Note that the window does not validate any of the template attributes. In other words, you can define a template with contradictory attributes. Only when you use a template to define an item does Inventory verify that the attributes are valid for a given item. If an attribute is not updatable for an item, the value from the template is not applied. If a combination of attributes is invalid a warning appears when you save the item.

You can enable or disable the attribute value for each attribute in a template. When you use a template, it applies only the enabled attributes for that particular template.

Copying Templates

To make defining templates easier, you can use the Copy From function on the Tools menu in the Item Templates window. This opens the Copy Template modal window, where you can copy attributes from one or more attribute groups to a new template. You can also create a hybrid template by copying attributes from multiple templates. See: Copying Item Templates: page 4 – 37.

Using Templates

You specify the template to use when you define or update an item. All updatable attributes you assigned to the template appear in the current item definition. You can then change the attributes as appropriate for the item you are defining.

If you specify a template name for an existing item, the template overwrites existing attributes. You can apply as many templates as you want to an existing item. The more recent attribute values (from the last template applied) override previous values unless the previous value is not updatable (such as the Primary Unit of Measure, which is never updatable). For example, you define a new item and apply a template that has the Primary Unit of Measure = *EACH* and Cycle Count Enabled = *YES*. Then you apply a new template with Primary Unit of Measure = *DOZ*, Cycle Count Enabled = *NO*, and Carrying Cost Percent = *3*. The attribute values are now: Primary Unit of Measure *EACH*, Cycle Count Enabled *NO*, and Carrying Cost Percent *3*.

Also, a template does *not* update status attributes when the values are conflicting. For example, if an item is transactable and stockable, a template cannot change *Transactable* to *Yes* if it leaves *Stockable* equal to *No*.

Organization–Specific Templates

You can create templates that are specific to one organization. You can use an organization specific template only if you are in that particular organization. If the specific organization is not the Item Master organization, you may use that template only in the Organization Items

window and only attributes controlled at the Organization level are updated.

For organization specific templates, some attributes, such as the planner, may be tied to the organization. For this reason, you cannot change the organization specified in the template once the template has been defined.

See Also

Defining Item Templates: page 4 – 35

Defining Items: page 5 – 6

Overview of Item Setup and Control: page 4 – 2.

Product Families, *Oracle Bills of Material User's Guide*

Defining Item Templates

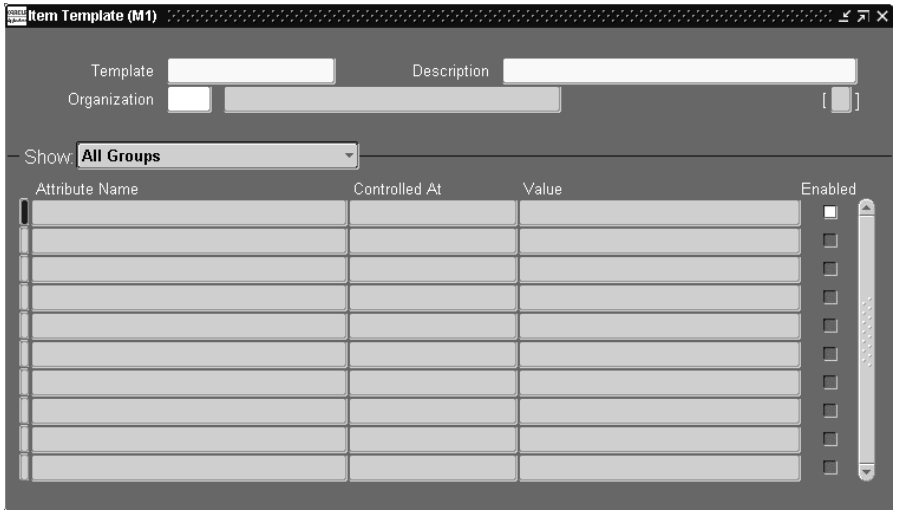
A template is a defined set of attribute values. When you apply a template to an item, you overlay or default in the set of attribute values to the item definition.

You can apply the same or different templates to an item multiple times. The more recent attribute values (from the last template applied) override previous values unless the previous value is not updatable (for example, the Primary Unit of Measure, which is never updatable).

For example, you define a new item and apply a template that has the Primary Unit of Measure = *EACH* and Cycle Count Enabled = *YES*. Next, you apply a new template with Primary Unit of Measure = *DOZ*, Cycle Count Enabled = *NO*, and Carrying Cost Percent = *3*. The attribute values are now: Primary Unit of Measure *EACH*, Cycle Count Enabled *NO*, and Carrying Cost Percent *3*.

▶ **To define item templates**:

1. Navigate to the Item Templates Summary folder window.
2. Choose New to navigate to the Item Template window.



3. Enter a unique name and description for the template.
4. Indicate whether the template is restricted to use by only one organization. If you leave the organization code blank, you can use the template in any organization.

   Note: When you enter an organization code, some attributes, such as the planner, may be tied to the organization. For this reason, you cannot change the organization once the template has been defined.
5. Select an tabbed region to display attributes and values for an item attribute group.

   For a list of attributes displayed in each group see: Item Attributes Listed by Group Name: page 5 – 20.
6. Enter a value for those attribute you want to include in the template.

   For non–mandatory item attributes, you can enter blanks (spaces) for the value or leave null. When you next apply this template to an item, the spaces overwrite any existing attribute value.
7. Indicate whether an attribute is enabled for this template.

Attention: If you enable a status attribute, its value will not be applied to the item if the status attribute is under status control. See: Defining Item Status Codes: page 4 – 21.

8. Save your work.

See Also

Item Templates: page 4 – 29

Item Attribute Controls: page 4 – 6

Status Control: page 4 – 9

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Defining Items: page 5 – 6

Copying Item Templates

Use the Copy Template window to copy attributes from existing templates to a new template.

Attention: Templates created with this function are not validated until you apply them to an item.

▶ **To copy item templates:**

1. Enter a new template and description in the Item Templates window. Optionally select an organization; otherwise, you will be able to copy templates for all organizations.
2. Choose Copy From on the Tools menu to open the Copy Template modal window.
3. Select the template from which you want to copy attributes.
4. Select the copy mode:

   Overwrite – All selected attribute values, including Null, are copied.

   Append – Only attributes which are null in the target template are copied. This mode is applicable only when you have already copied attributes from one template.

   Overwrite Not Null – All selected attribute values, excluding Null, are copied.
5. Deselect any attribute groups for which you do not want attributes copied.
6. Select Apply to copy the attributes. This leaves the Copy Template window open so that you can copy attributes from another template.

7. Select Done to close the Copy Template window when you have copied all desired attributes.

See Also

Item Templates: page 4 – 29

Defining Item Templates: page 4 – 35

Item Attribute Controls: page 4 – 6

Defining Items: page 5 – 6

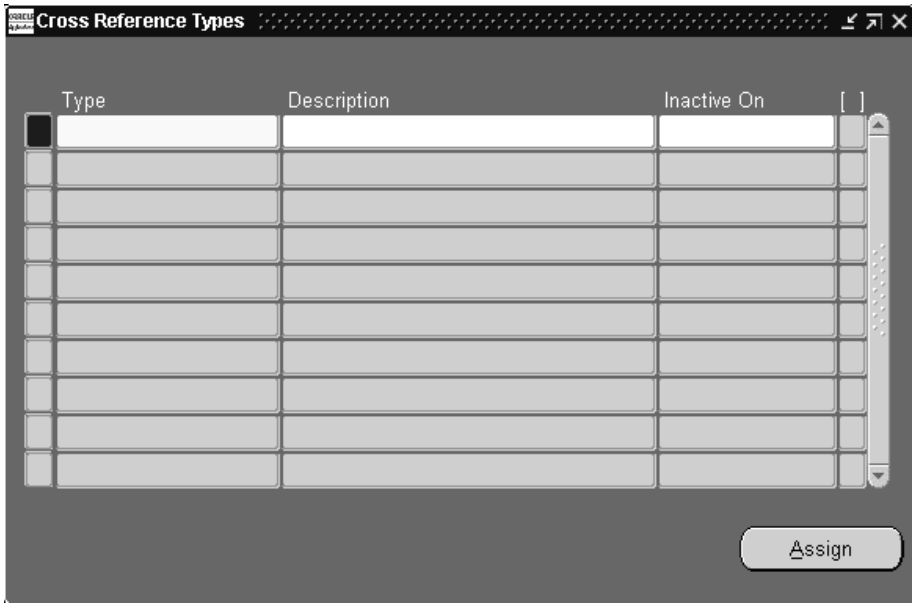
Defining Cross–Reference Types

Cross–reference types define relationships between items and entities such as old item numbers or supplier item numbers.

For example, you can create a cross–reference type Old to track the old item numbers, and a type Supplier to track supplier part numbers.

▶ **To define a cross–reference type:**

1. Navigate to the Cross–Reference Types window.



2. Enter a unique cross–reference type name.
3. Save your work.

▶ **To make a cross–reference type inactive:**

- Enter the date on which the cross–reference type becomes inactive.

  As of this date, you cannot assign this cross–reference type to an item.

▶ **To delete a cross–reference type:**

- You can delete a cross–reference if it has not been used by any item.

▶ **To assign a cross–reference type:**

- Choose the Assign button. See: Assigning Cross–Reference Types: page 4 – 41.

See Also

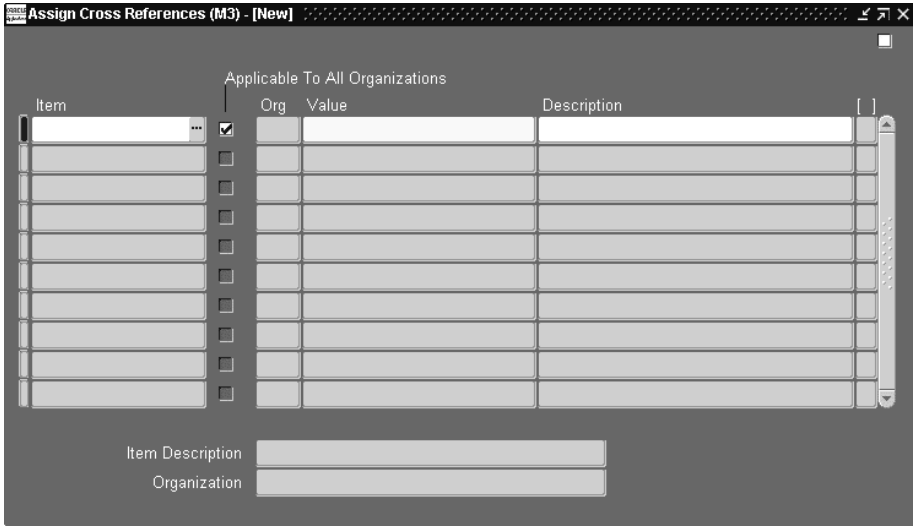
Defining Items: page 5 – 6

Assigning Cross–Reference Types: page 4 – 41

Overview of Item Setup and Control: page 4 – 2.

Assigning Cross–Reference Types

You can assign multiple cross–reference types to an item.



▶ **To assign cross–references types to items from the Cross–Reference Types window:**

1. Navigate to the Cross–Reference Types window.
2. Select the cross–reference you want to assign.
3. Choose Assign to navigate to the Assign Cross–References window.
4. Enter an item.
5. Indicate whether the cross–reference applies only in the specified organization or to all organizations to which the item is assigned.
6. Enter the name of the organization to which the cross–reference applies.

   If you select *Applicable To All Organizations*, this field is skipped.
7. Enter a cross–reference value.

   This value is the entity you cross–reference to the item, such as its old item number or supplier part number.
8. Save your work.

▶ **To assign cross–references types to items from the Master Items Summary window**

1. Navigate to the Master Items Summary window.
2. Select an item.
3. Choose Cross References from the Tools menu.
4. Enter the cross–reference type name.
5. Indicate whether the cross–reference applies only in the specified organization or to all organizations to which the item is assigned.
6. Enter the name of the organization to which the cross–reference applies.

   If you select *Applicable To All Organizations*, this field is skipped.
7. Enter a cross–reference value.

   This value is the entity you cross–reference to the item, such as its old item number or supplier part number.
8. Save your work.

See Also

Defining Items: page 5 – 6

Defining Cross–Reference Types: page 4 – 39

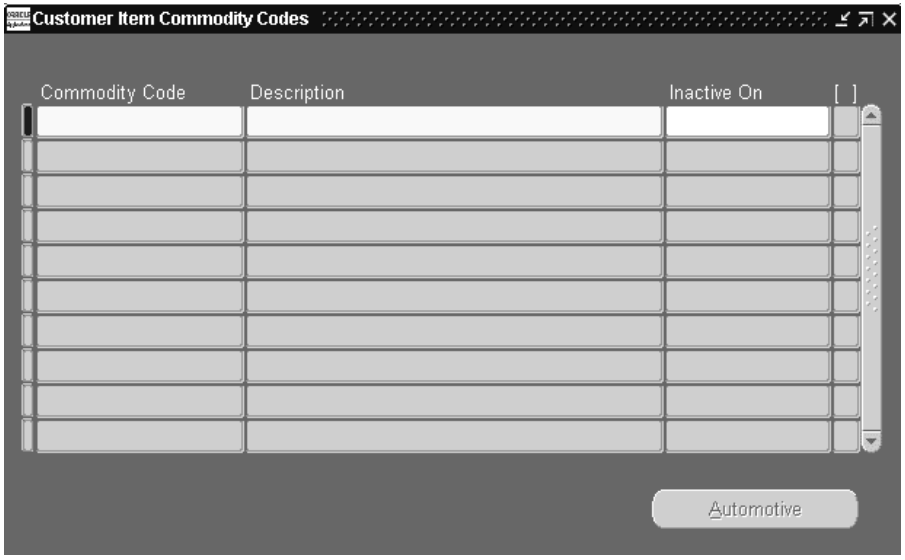
Overview of Item Setup and Control: page 4 – 2.

Defining Commodity Codes

Customer Item Commodity Codes are used to group customer items and can be entered during the definition of customer items.

▶ **To define a commodity code:**

1. Navigate to the Customer Item Commodity Codes window from the menu. When you open the window, Inventory displays the existing commodity codes.



2. Enter a unique commodity code name.
3. Enter a description of the code.
4. Save your work.

▶ **To make a commodity code inactive:**

- Enter the date on which the commodity code becomes inactive. As of this date, you cannot assign this code to a customer item.

▶ **To delete a commodity code:**

- You can delete a commodity code if it has not been used in a customer item.

See Also

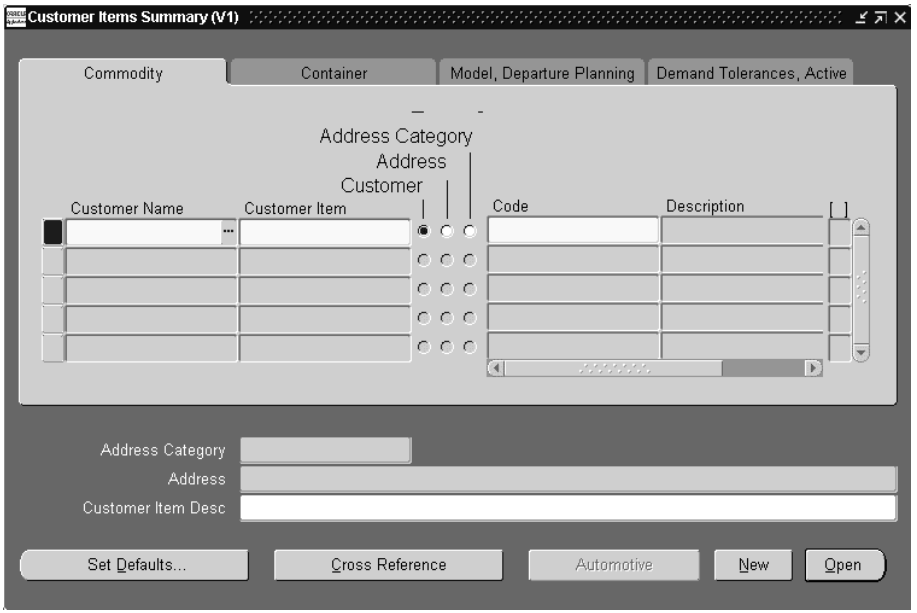
Defining Customer Items: page 4 – 45

Defining Customer Items

Use the Customer Items Summary and Customer Items Detail windows to define and update customer items. You can toggle between these windows with the Summary / Detail option in the Go option on the Toolbar. You can cross reference customer items to your Oracle Inventory items to support processing orders and shipments.
See: Defining Customer Item Cross References: page 4 – 49.

▶ **To find customer items:**

1. Navigate to the Find Customer Items window by selecting Customer Items from the menu.
2. Enter selection criteria. Note that you can enter a specific Address Category or Address only if you have entered a customer.
3. Select the Find button to open the Customer Items Summary window.



▶ **To define customer items:**

1. Enter the Customer Item number and description.

2. Select one of the existing Customer Names (in the Details window, you can use either Customer Name or Customer Number,). See: Entering Customers, *Oracle Receivables User's Guide*.

3. Select the Definition Level: Customer, Address Category, or Address.

   A customer item defined at the Customer level is recognized across all address and address categories for that customer. If you ship an item to multiple customer ship–to sites that have been grouped as an address category, you can define the customer item for that address category. You would define a customer item at the address level if you ship the item to only one ship–to site for that customer.

4. For the Address Category definition level, enter the address category. See: Entering Customer Addresses, *Oracle Receivables User's Guide*.

5. For the Customer Address definition level, enter the customer address. See: Entering Customer Addresses, *Oracle Receivables User's Guide*.

6. In the Commodity tabbed region, you can assign the customer item to a Commodity Code. See: Defining Commodity Codes: page 4 – 43.

7. In the Container tabbed region, you can enter the default master and detail containers for this customer item as well as the minimum fill percent for the container. See: Defining Container Types: page 4 – 19.

8. In the Model, Departure Planning tabbed region, you can reference a customer item as a Model by entering the inventory item number of an existing Model item (the BOM Item Type attribute is set to Model). See: Bills of Material Attribute Group: page 5 – 51.

   You can also check Required to indicate that items must be departure planned before they released and Before Build to indicate that ATO items must be departure planned before they are built.

9. In the Demand Tolerances, Active tabbed region, you can enter positive and negative tolerance percentages and select or deselect the Active check box.

10. Save your work.

▶ **To open the Customer Items Details window:**

- To facilitate information entry, you can select the Open button in the Customer Items Summary window to open the Customer Items Details window, where you can enter any of the information in the Customer Items Summary window.

▶ **To activate or deactivate customer items:**

- Select or deselect the Active checkbox in the Customer Items Detail window or in the Demand Tolerances Active tabbed region in the Customer Items Summary window.

▶ **To set defaults:**

- Choose the Set Defaults button to open the Customer Item Defaults window. See: Setting Customer Item Defaults: page 4 – 47.

▶ **To define a customer item cross reference:**

- Choose the Cross Reference button. See: Defining Customer Item Cross References: page 4 – 49.

Additional Information: The profile is used to determine whether the customer item can be updated.

See Also

Defining Items: page 5 – 6

Overview of Item Setup and Control: page 4 – 2.

Setting Customer Item Defaults

Use the Customer Items Defaults window to set customer item defaults.

▶ **To set customer item defaults:**

1. Navigate to the Customer Items Defaults window by selecting Customer Items from the menu.
2. Enter the Customer Name.

3. Select the customer item Level. At the Address Category level, you can also set the Address Category. At the Address level, you can also set the Address

▶ **To use current values:**

- Select the Current Value button to use the values of the current record in the Customer Items Summary window.

▶ **To clear information:**

- Select the Clear button to clear all information but remain in this window.

▶ **To cancel default entry:**

- Select the Cancel button to clear all information and return to the Customer Items Summary window.

▶ **To accept the entered defaults:**

- Select the OK button to accept the entered defaults and return to the Customer Items Summary window.

Defining Customer Item Cross References

Use the Customer Item Cross References window to define and update cross references between your inventory items and the customer item numbers defined in the Customer Items Summary / Detail windows.
See: Defining Customer Items: page 4 – 45.

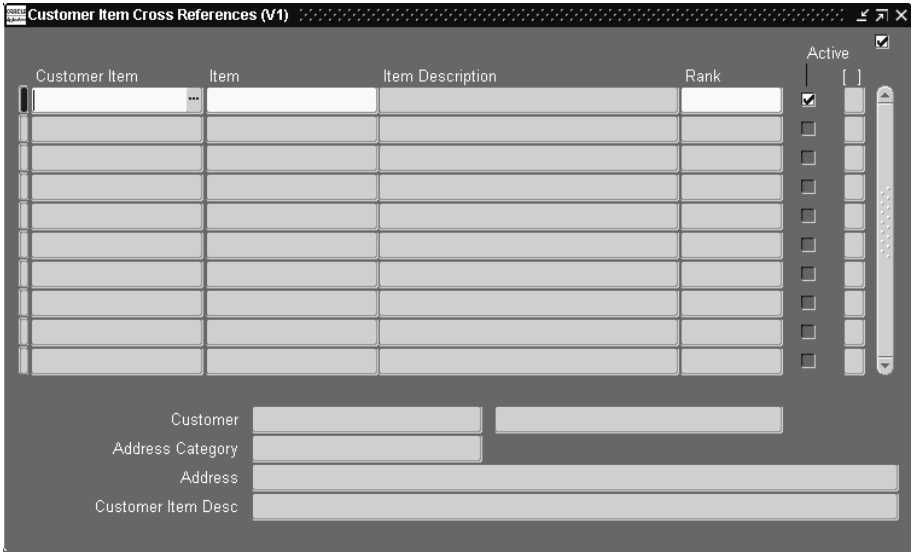
▶ **To find customer item cross references:**

1. Navigate to the Find Customer Item Cross References window by selecting Customer Item Cross References on the menu.
2. Enter selection criteria to restrict the search. You can select the Clear button to clear all selection criteria.
3. Select the Find button.

▶ **To define customer item cross references:**

1. Navigate to the Customer Item Cross References window by selecting the New button in the Find Customer Item Cross References window.

   You can also navigate to this window by selecting the Cross Reference button in the Customer Items Summary window. Inventory displays the existing cross references for the customer item on the current line in the Customer Items Summary window, and you can add new cross references by selecting a new row.



2. Enter the customer item number. The current customer is displayed if you navigated to this window from the Customer Items Summary window.
3. Enter the inventory item number for which you want to establish a cross reference to the customer item number.
4. Enter the Rank as a positive number. To permit alternate or substitute inventory items for a customer item, you can define multiple cross references to inventory items for a single customer item. In these cases, you must specify the Rank of the cross reference. The highest rank is 1.
5. Deselect Active to deactivate the cross reference.
6. Save your work.

▶ **To update customer item cross references:**

1. Navigate to the Customer Item Cross References window by selecting the Find button in the Find Customer Item Cross References window. Inventory displays all existing cross references that meet your selection criteria.

   You can also navigate to this window by selecting the Cross Reference button in the Customer Items Summary window. Inventory displays the existing cross references for the customer item on the current line in the Customer Items Summary window.
2. You can update the Customer Item, Item, Rank, and Active checkbox.

▶ **To activate or deactivate a cross reference:**

- Select or deselect Active.

See Also

Defining Customer Items: page 4 – 45

Defining Items: page 5 – 6

Overview of Item Categories

You can use categories and category sets to group your items for various reports and programs. A category is a logical classification of items that have similar characteristics. A category set is a distinct grouping scheme and consists of categories.

The flexibility of category sets allows you to report and inquire on items in a way that best suits your needs.

Steps Involved

- Define flexfield structures for the item categories flexfield. See: Item Category Flexfield Structures: page 4 – 52.
- Define categories. See: Defining Categories: page 4 – 53.
- Define category sets. See: Defining Category Sets: page 4 – 55.
- Assign default category sets to each functional area. See: Defining Default Category Sets: page 4 – 60.
- Assign items to categories. See: Assigning Items to Categories: page 4 – 63.

See Also

Copying Items with Category Assignments: page 4 – 66

Overview of Item Setup and Control: page 4 – 2.

Overview of Items: page 5 – 2

Item Category Flexfield Structures

You can define multiple segment structures for the Item Categories Flexfield. Each segment structure may have its own display prompts and fields.

When you install or upgrade Oracle Inventory or Oracle Purchasing, Oracle provides two category flexfield structures by default: *Item Categories* and *PO Item Category*.

Each segment structure can display prompts and fields that apply specifically to a particular naming convention. For example, you might want one of your category sets to use two segments for the names of categories. Another item grouping scheme might use just one segment for the names of categories. You choose a flexfield structure for every category set and category that you define.

See Also

Defining Key Flexfield Segments, *Oracle Applications Flexfields Guide*

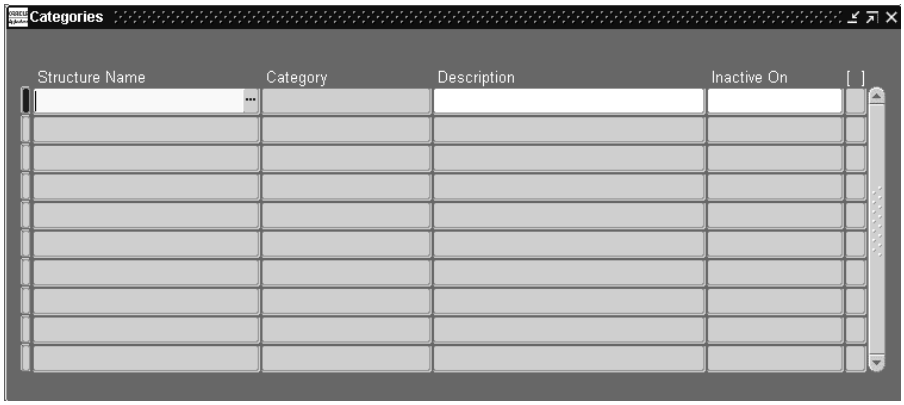
Overview of Item Categories: page 4 – 51

Defining Categories

You can define an unlimited number of categories and group subsets of your categories into category sets. A category can belong to multiple category sets. You can assign a category to a category set either at the time you define a category set or at the time you assign an item to the category.

▶ **To define a category:**

1. Navigate to the Categories window.



2. The Find Categories window appears. Choose New.
3. Enter a structure name.

   If you choose a multi–segment flexfield structure you can assign a specific meaning to each segment. For example, if you want to group items according to product line and product information then you can use the first segment to represent product line and the second segment to represent the product. See: Item Category Flexfield Structures: page 4 – 52.

☞ **Attention:** The categories assigned to a category set must have the same flexfield structure as the set itself. This is true even if you choose not to validate the category list.

4. If you have set up your flexfield segment as No Validation required, you can enter a unique category name.
5. Save your work.

▶ **To make a category inactive:**

- Enter the date on which the category becomes inactive.

  As of this date, you can no longer assign the category:

  - as the default category of a new category set
  - as a valid category of a category set
  - to an item
  - as a valid category of an item catalog group

  You cannot assign an inactive date to a category that is the default category for a mandatory category set.

See Also

Defining Category Sets: page 4 – 55

Overview of Item Categories: page 4 – 51

Defining Category Sets

You can use categories and category sets to group items for various reports and programs

> **Note:** Category sets may be used as a means to develop custom lists of items on which to report and sort. You can also create other category sets such as John's Priority or Jane's Priority, with categories like high, medium, and low.

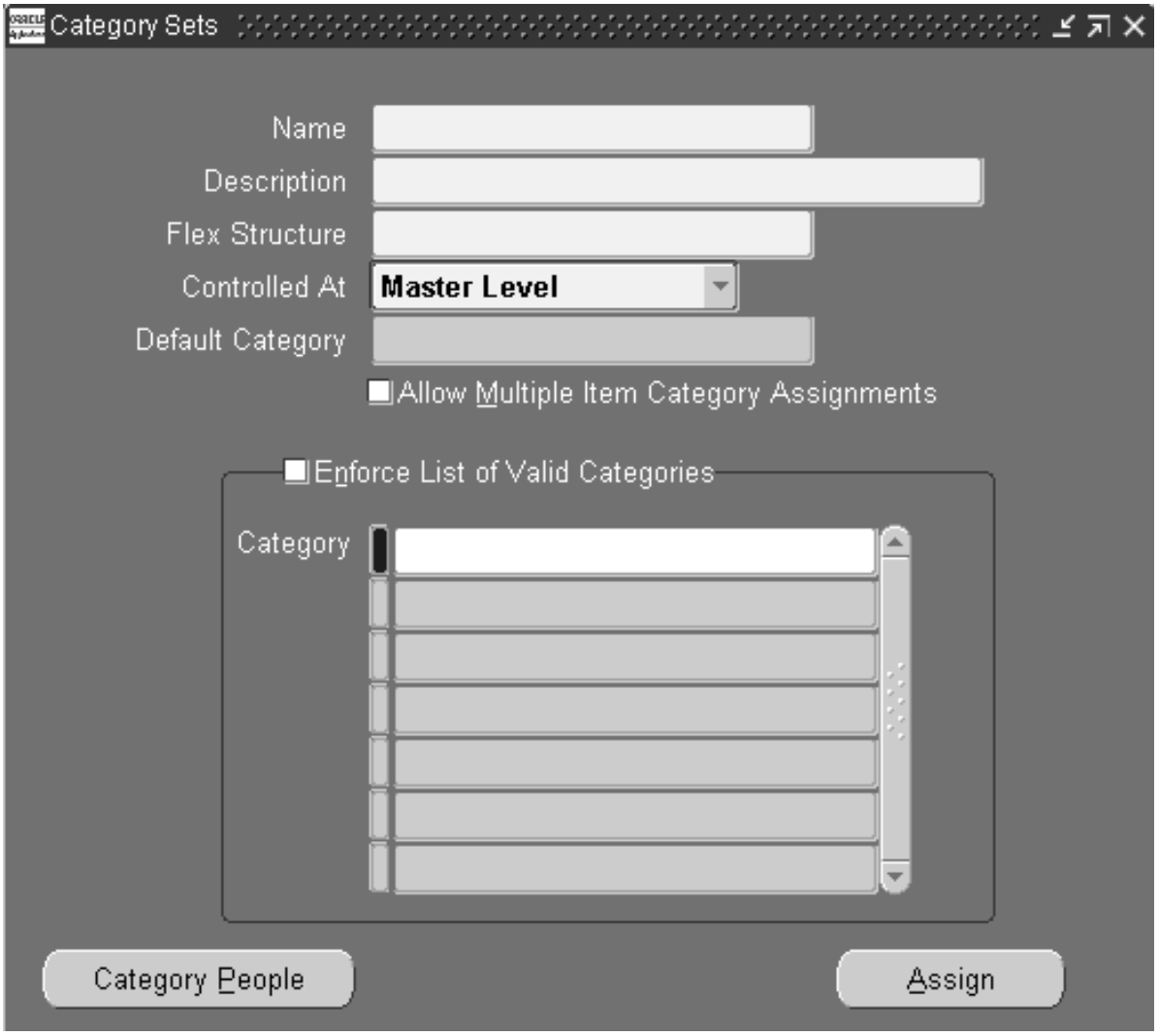
The category set *Inventory* is seeded when you install Oracle Inventory. The category set *Purchasing* is seeded when you install Oracle Purchasing.

If you plan to use Order Management's group pricing functionality with item categories, you must add the categories to the *Order Entry* category set.

Attention: You must use this window to define valid categories for each purchasing category set before you can use Oracle Purchasing.

▶ **To define a category set:**

1. Navigate to the Category Set window.



2. Enter a unique category set name.
3. Enter a description.
4. Enter a flexfield structure.

   Note: The categories you assign to a category set must have the same flexfield structure as the set itself. This is true even if you choose not to validate the category list.
5. Select a control level.

Master Level: Item assigned to this category set has the same category value in all organizations where it is assigned.

Org Level: Item assigned to this category set may have a different category value in each organization where it is assigned.

6. Select a default category.

   This is the default category used when assigning an item to the category set. For example, a category set may have a default category called *New*. After an item is assigned to *New*, you can override the default category and choose another relevant category for each item.

7. Indicate whether to enable an item to be assigned to multiple categories within this category set.

   If you enable this feature, you can assign an item to multiple categories within a category set. For example, you may define a Hazard category set. In this case, an item may be assigned to both the Poison and Corrosive categories. If you do not enable this feature, an item can be assigned to exactly one category. For example, you may define a Web Display category set. In this case, an item can be assigned to only one default display category.

   Note: Enable this feature to create cartonization groups. See: Cartonization: page 4 – 59

8. Indicate whether to enforce the list of valid categories.

   If you do not enable this feature, you can assign an item to any category defined that uses the same flexfield structure as this category set.

   If you enable this feature, you can assign an item only to those categories defined as valid categories for this category set.

Attention: For Oracle Purchasing, this checkbox is not applicable, and you can assign items only to categories defined as valid for this category set.

9. Select a list of valid categories.

   The list of values here includes only categories that use the same flexfield structure as the category set you are defining.

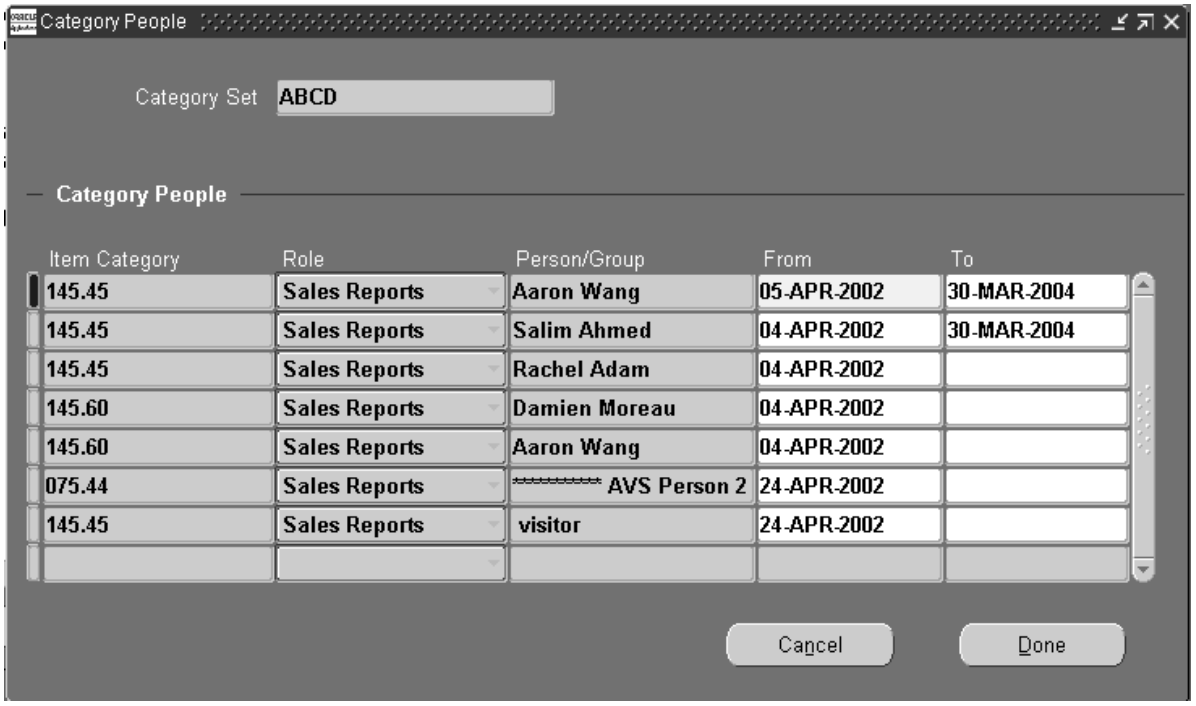
10. Save your work.

▶ To assign people to categories

The category people window is available to you if you have the edit category people privilege. Category people allows you to secure access

to items that are assigned to a particular category. For example you can restrict who can view the sales reports for a particular set of items.

1. Select Category People from the Category Sets window.



2. Select the desired Item Category from the list of values.
3. Select the desired Person / Group from the list of values.
4. Enter the desired From date, or accept the default system date.
5. Enter a To date if applicable.
6. Repeat steps 2–5 to assign more categories as needed.
7. Save your work.
8. Select Done.

▶ **To assign items to categories:**

- Choose the Assign button. See: Assigning Items to Categories: page 4 – 63.

See Also

Defining Default Category Sets: page 4 – 60

Cartonization

If you have Oracle Warehouse Management installed, and you have cartonization enabled for your organization (See: Defining Warehouse Parameters: page 2 – 26), you can create a category set for grouping contained items and their allowable containers.

An item may be assigned to many cartonization groups. A cartonization group may contain many containers and many contained items. An item is assigned to a cartonization group as either a container or a contained item. See: Setting Up Cartonization, *Oracle Warehouse Management User's Guide*.

See Also

Defining Category Sets: page 4 – 55

Assigning Items to Categories: page 4 – 63

Defining Default Category Sets

When you install Oracle Inventory, you must assign a default category set to each of the following functional areas: Inventory, Purchasing, Order Management, Costing, Engineering, and Planning. Product Line Accounting is seeded with the Inventory category set. Inventory makes the default category set mandatory for all items defined for use by a functional area. If your item is enabled for a particular functional area you cannot delete the item's corresponding default category set assignment. Default category sets are required so that each functional area has at least one category set that contains all items in that functional area.

You can enable an item for each functional area by using that functional area's item defining attribute. An item defining attribute identifies the nature of an item. For example, what designates an item as an "engineering item" is the attribute *Engineering Item*. If a functional area's item defining attribute is controlled at the Organization level, then that functional area may only have an Organization level default category set.

You set the item defining attribute when you define the item. The following table presents item defining attributes:

Item Defining Attributes

Functional Area	Item Defining Attribute	Enabling Value
Inventory	Inventory Item	Yes
Purchasing	Purchased	Yes
	Internal Ordered Item	Yes
Master Scheduling/ MRP	MRP Planning Method	MRP Planning, MPS Planning
Cost Management	Costing Enabled	Yes
Engineering	Engineering Item	Yes
Order Management	Customer Ordered Item	Yes
Service	Support Service, or	Yes
	Serviceable Product	Yes
Product Line Accounting	none	n/a

When you enable an item for a certain functional area**,** Oracle Inventory automatically assigns the item to the default category set of that functional area and the default category of that set. For example, if you

set *Inventory Item* to *Yes*, then Inventory automatically assigns the item to the Inventory functional area's default category set and default category.

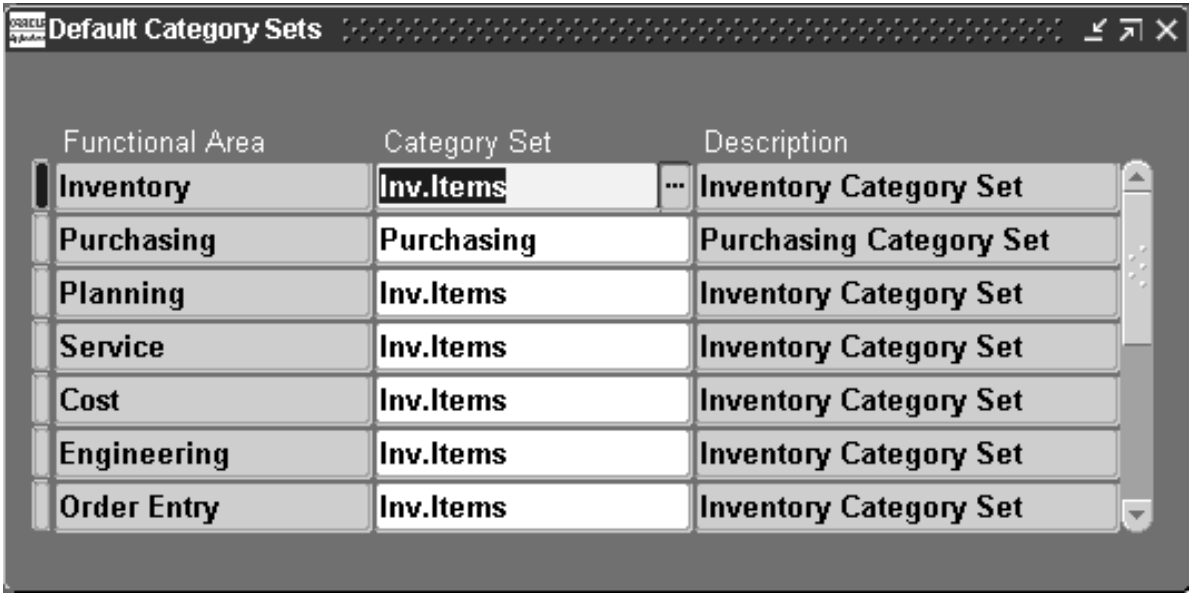
You may change a functional area's default category set under certain conditions. You should ensure that every item within the functional area belongs to the new default category set (which replaces the existing default category set). If the item defining attribute of the functional area is controlled at the Organization level then the new default category set should also be controlled at the Organization level.

Prerequisites

- ❑ You must define at least one category set. See: Defining Category Sets: page 4 – 55.

▶ **To define a default category set:**

1. Navigate to the Default Category Sets window.



2. Select the category set to use as the default for the functional area.

   Oracle Inventory also makes this category set mandatory for all items defined for use by the functional area.

   You should not change the Purchasing category set after you have created requisition or purchase order lines using the categories.

Product Line Accounting is enabled when you assign a default category set.

3. Save your work.

See Also

Assigning Items to Categories: page 4 – 63

Overview of Item Categories: page 4 – 51

Item Defining Attributes: page 4 – 8

Assigning Items to Categories

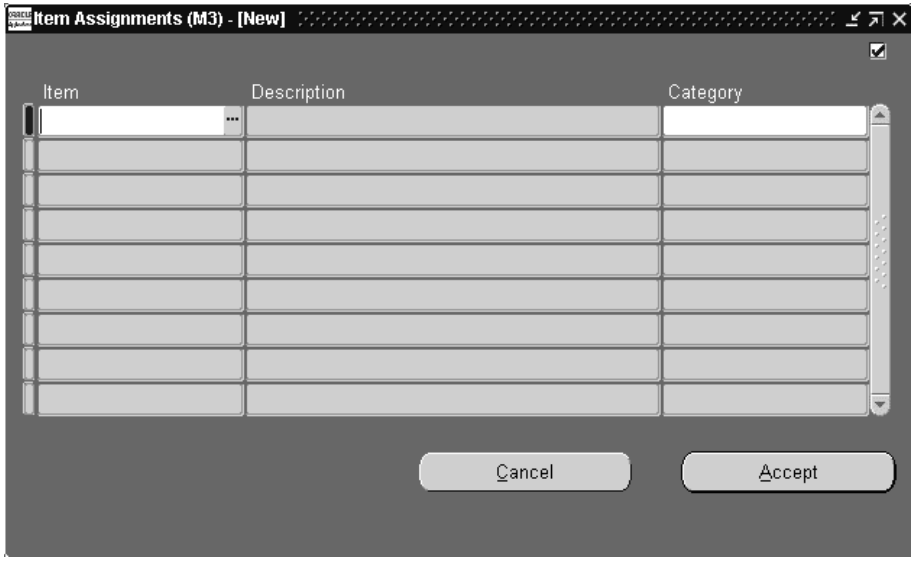
Prerequisites

- ❑ You must define default category sets for your functional areas. See: Defining Default Category Sets: page 4 – 60.

When you enable an item in a functional area, the item is assigned to the default (mandatory) category set and default category of the functional area. You can override the category set's default category. In addition, you can manually assign your item to an unlimited number of category sets. You can assign an item to one category within each category set.

▶ **To assign an item to a category from the Category Set window:**

1. Navigate to the Category Set window. See: Defining Category Sets: page 4 – 55.
2. Enter a category set.
3. Choose Assign. The Item Assignment window appears.



4. Select the item from the current organization to assign to the category.
5. Select a category.

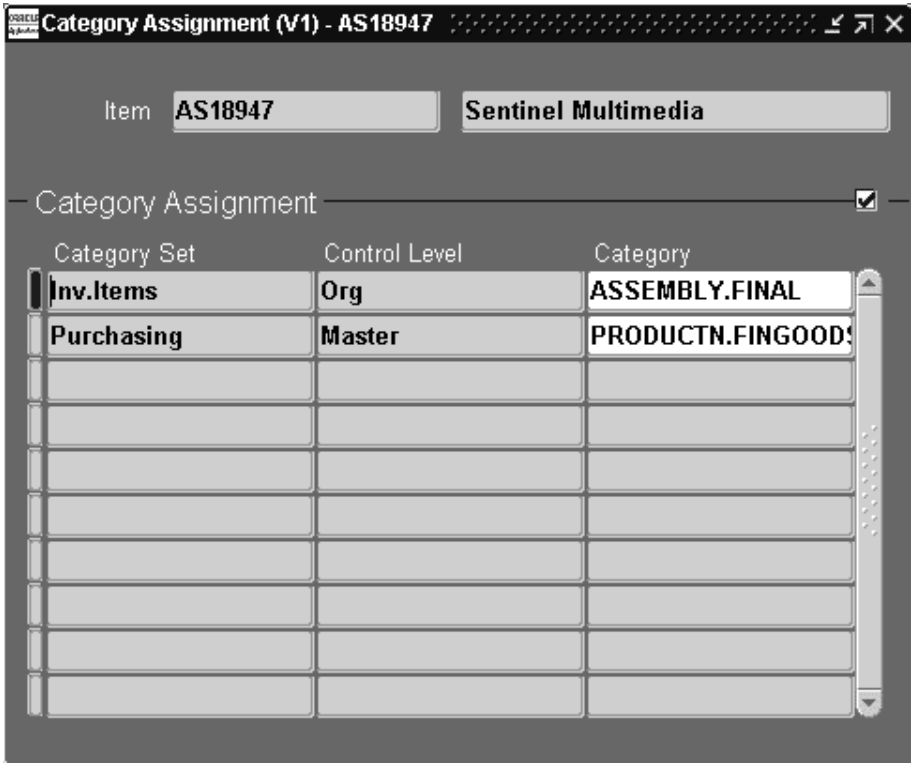
The list of values contains categories with the same flexfield structure as the category set you selected in the Category Set window. If *Enforce the list of valid categories* is selected the list is limited to those categories.

6. Save your work.

▶ **To assign an item to a category from the Item windows:**

1. Navigate to the Master Items Summary or Organization Items Summary window.
2. Select an item.
3. Choose Categories from the Tools menu.

   The item you selected appears at the top of the Category Assignment window.



4. Select a category set
5. Select a category.

The list of values contains categories with the same flexfield structure as the category set you selected. If *Enforce the list of valid categories* is selected the list is limited to those categories.

6. Save your work.

See Also

Defining Category Sets: page 4 – 55

Defining Items: page 5 – 6

Copying Items with Category Assignments

When you assign your item to another organization Oracle Inventory copies Master level category sets, Organization level default category sets, and the associated categories assigned in the Item Master organization. This means that if you manually assign an Organization level category set to the item in the Master organization, Inventory does not copy over that Organization level category set when you assign that item to another organization.

After assigning an item to another organization you can disable the item for one or more functional areas in the new organization. However, Inventory does not remove the corresponding functional area's default category set. For example, you may have set the value of the Purchased attribute to "Yes" when you defined the item in the item master organization. When you assign this item to another organization Inventory copies over the "Yes" value of the Purchased attribute and therefore assigns the default category set of the purchasing functional area. In the new organization you may decide to set the value of the Purchased attribute to "No." After you disable the item for the purchasing functional area in the new organization, the item still retains the purchasing default category set. You may manually delete the purchasing category set in the new organization.

If you copy an item from another item with category sets defined at the Organization level, Inventory assigns the new item the default categories of the mandatory category sets, even if the original item did not have the default categories. This is because Inventory copies the values of the item defining attributes and not the category sets and categories themselves.

See Also

Overview of Item Categories: page 4 – 51

Examples Overview

The following example from the computer manufacturing industry illustrates the use of category sets. The company makes personal computers by using manufactured and purchased components. The following tables show a bill of material for each of two computers that the company produces.

Level	Item	Item Description	Source
1	CM2345	Laptop Computer	Assembled
. 2	CM2346	Keyboard	Purchased
. 2	CM2347	486 Processor	Purchased
. 2	CM2348	Active Matrix Screen	Assembled
. . 3	CM2349	Monitor Manual	Purchased
. 2	CM2350	DOS Operating System	Purchased

Level	Item	Item Description	Source
1	CM2351	Desktop Computer	Assembled
. 2	CM2352	Desktop Keyboard	Purchased
. 2	CM2353	Pentium Processor	Purchased
. 2	CM2354	VGA Monitor	Assembled
. . 3	CM2355	Monitor Manual	Purchased
. 2	CM2356	UNIX Operating System	Purchased

This computer manufacturing company has several functional areas including: planning, purchasing, and inventory. With Oracle Inventory's category sets, each functional area can use its own unique way of classifying items.

See Also

Planning Example: page 4 – 68

Purchasing Example: page 4 – 69

Inventory Example: page 4 – 72

Unlimited Additional Category Sets: page 4 – 74

Planning Example

The planning department might want to group items according to product and product line. You can define a two segment structure for the item categories flexfield with the first segment representing the product and the second segment representing product line. You can use the two segment flexfield structure to define a category set called *Planner's Set* with categories like *assembly–prod1*, *subassembly–prod2* and *raw material–prod3*. You can designate *Planner's Set* to be the default (mandatory) category set of the planning functional area.

In the bills of material shown in the Examples Overview, the top level items might be MPS planned items and the rest MRP planned items since this is a manufacturing company. When you define each item you can set the item defining attribute MRP Planning Method to be either MRP Planning or MPS Planning. Oracle Inventory automatically assigns the *Planner's Set* category set and the associated default category *assembly–prod1* to each of these items. The following table shows category assignments within the Planning default category set.

Item	Item Description	Planning Default (Mandatory) Category Set	Category
CM2345	Laptop Computer	Planner's Set	assembly–prod1
CM2346	Keyboard	Planner's Set	subassembly–prod2
CM2347	486 Processor	Planner's Set	subassembly–prod2
CM2348	Active Matrix Screen	Planner's Set	subassembly–prod2
CM2349	Monitor Manual	Planner's Set	subassembly–prod2
CM2350	DOS Operating System	Planner's Set	subassembly–prod2
CM2351	Desktop Computer	Planner's Set	assembly–prod1
CM2352	Desktop Keyboard	Planner's Set	subassembly–prod2
CM2353	Pentium Processor	Planner's Set	subassembly–prod2
CM2354	VGA Monitor	Planner's Set	subassembly–prod2
CM2355	Monitor Manual	Planner's Set	subassembly–prod2
CM2356	UNIX Operating System	Planner's Set	subassembly–prod2

In Oracle Master Scheduling/MRP and Oracle Supply Chain Planning you can compile a forecast for a range of categories within a category set. In addition you can use categories in the following reports:

- Current Projected On Hand vs. Projected Available Graphical Report
- Demand vs. Replenishment Graphical Report
- Forecast Comparison Report
- Forecast Detail Report
- Late Order Report
- Master Schedule Comparison Report
- Master Schedule Detail Report
- Master Schedule Status Report
- Order Reschedule Report
- Planned Order Report
- Planning Detail Report

See Also

Item Category Examples Overview: page 4 – 67

Purchasing Example: page 4 – 69

Inventory Example: page 4 – 72

Unlimited Additional Category Sets: page 4 – 74

Purchasing Example

The purchasing department might want to group all items by commodity codes. You can define a category set called *Purchasing Class* with categories that represent commodity codes such as *OEM*, *IC*, *software* and *documentation*. You can choose *Purchasing Class* to be the default (mandatory) category set of the purchasing functional area.

In the bills of material shown in the Examples Overview, the purchased items are CM2346, CM2347, CM2349, CM2350, CM2352, CM2353, CM2355 and CM2356. When you define your items you can set the Purchased attribute to "Yes" for each of these items. Inventory automatically assigns the *Purchasing Class* category set and the

associated default category *OEM* to each of the purchased items. The following table shows category assignments within the purchasing default category set.

Item	Item Description	Purchasing Default (Mandatory) Category Set	Category
CM2346	Keyboard	Purchasing Class	OEM
CM2347	486 Processor	Purchasing Class	IC
CM2349	Monitor Manual	Purchasing Class	documentation
CM2350	DOS Operating System	Purchasing Class	software
CM2352	Desktop Keyboard	Purchasing Class	OEM
CM2353	Pentium Processor	Purchasing Class	IC
CM2355	Monitor Manual	Purchasing Class	documentation
CM2356	UNIX Operating System	Purchasing Class	software

Oracle Purchasing does not allow you to choose between different category sets. Oracle Purchasing uses the default purchasing category set in all forms and reports that require or display categories. For example, if you choose a particular item in the Supplier Autosource Rules window you see the category (from the purchasing default category set) assigned to the item. In addition, Oracle Purchasing uses item categories in the following reports and forms:

- Blanket and Planned PO Status Report
- Buyer Listing
- Buyer's Requisition Action Required Report
- Expected Receipts Report
- Item Detail Listing
- Matching Holds Report by Buyer Report
- Overdue Supplier Shipments Report
- Purchase Agreement Audit Report
- Purchase Order Commitment By Period Report
- Purchase Order Detail Report
- Purchase Order and Releases Detail Report
- Purchase Price Variance Report

- Purchase Summary Report By Category
- Quotation Action Required Report
- RFQ Action Required Report
- Receipt Accruals – Period–End report
- Receipt Traveler
- Receiving Account Distribution Report
- Receiving Transactions Register
- Receiving Value Report by Destination Account
- Requisitions on Cancelled Sales Order Report
- Savings Analysis Report(by Category)
- Uninvoiced Receipts Report
- Supplier Price Performance Analysis Report
- Supplier Quality Performance Analysis Report
- Supplier Service Performance Analysis Report
- Enter Purchase Orders
- Enter Purchase Agreements
- Enter Requisitions
- Enter Express Requisitions
- Enter ReqExpress Template
- Enter RFQs
- Enter Quotations
- Enter Receipts
- Enter Receiving Transactions
- Enter Returns and Adjustments
- Match Unordered Receipts
- View Purchase Orders
- View Price History
- View Purchase History
- View Requisitions
- View Receiving Transactions

- View Sourced Items

See Also

Item Category Examples Overview: page 4 – 67

Planning Example: page 4 – 68

Inventory Example: page 4 – 72

Unlimited Additional Category Sets: page 4 – 74

Inventory Example

The inventory functional area may want to group items according to how the company stores each item. You can define a category set called *Warehouse Set* with categories such as *Operating System, Hardware, CPU* and *Other.* You can designate *Warehouse Set* to be the default (mandatory) category set of the inventory functional area.

In the bills of material shown in the Examples Overview, all of items would be the inventory items. When you define the items set the Inventory Item attribute to ”Yes” for each item. Oracle Inventory automatically assigns the *Warehouse Set* and default category *Other* to all items for which the Inventory Item attribute equals ”Yes.” The following table shows category assignments within the Inventory functional area’s default category set:

Item	Item Description	Inventory Default (Mandatory) Category Set	Category
CM2345	Laptop Computer	Warehouse Set	Hardware
CM2346	Keyboard	Warehouse Set	Hardware
CM2347	486 Processor	Warehouse Set	CPU
CM2348	Active Matrix Screen	Warehouse Set	Hardware
CM2349	Monitor Manual	Warehouse Set	Other
CM2350	DOS Operating System	Warehouse Set	Operating System
CM2351	Desktop Computer	Warehouse Set	Hardware
CM2352	Desktop Keyboard	Warehouse Set	Hardware
CM2353	Pentium Processor	Warehouse Set	CPU

Item	Item Description	Inventory Default (Mandatory) Category Set	Category
CM2354	VGA Monitor	Warehouse Set	Hardware
CM2355	Monitor Manual	Warehouse Set	Other
CM2356	UNIX Operating System	Warehouse Set	Operating System

Oracle Inventory uses category sets in numerous reports and forms. For example, you can summarize demand histories for a particular category of items. Oracle Inventory always displays the inventory default category set but you can run your reports and programs by choosing any category set. The following is a list of forms and reports where Oracle Inventory uses categories:

- Inactive items report
- Item reservations report
- Lot transaction register
- Material account distribution detail
- Serial number transaction register
- Transaction historical summary
- Transaction register
- Transaction source type summary
- Expected Receipts Report
- Inactive items report
- Item categories report
- Item cross–references listing
- Item definition detail
- Item definition summary
- Item demand history report
- Item relationships listing
- Item reservations report
- Item statuses report
- Forecast Comparison Report
- Forecast Detail Report

- Physical inventory accuracy analysis
- Physical inventory counts report
- Transaction historical summary
- Search Items

See Also

Item Category Examples Overview: page 4 – 67

Planning Example: page 4 – 68

Purchasing Example: page 4 – 69

Unlimited Additional Category Sets: page 4 – 74

Unlimited Additional Category Sets

In addition to the default category sets, the computer company in the Examples Overview: page 4 – 67 could use an additional category set to group together a subset of the items that exist in the system. You can define a category set called *Hot Items* with categories such as *Critical* and *Low Supply*. When you define your items, you can assign the *Hot Items* category set and one category within that category set to some of your items. You do not have to assign every item in your system to this category set.

See Also

Planning Example: page 4 – 68

Purchasing Example: page 4 – 69

Inventory Example: page 4 – 72

Overview of Item Cataloging

You can use item cataloging to add descriptive information to items and to partition your Item Master into groups of items that share common characteristics. You configure in advance what is required to uniquely define an item in each group. When you define your items, you assign them to an item catalog group.

To define your catalog, you set up as many distinct item catalog groups as you need to partition your Item Master. Each group has unique characteristics (called *descriptive elements*) that completely describe items belonging to the group.

When you assign an item to an item catalog group, you define values for the descriptive elements that apply to your item. For example, an item catalog group called *Computer* could have a descriptive element called *Processing Speed*. Possible values for *Processing Speed* might be *100MHZ*, *133MHZ*, and so on.

Benefits

Once the process of defining and cataloging items is complete, you can:

- Provide standard language in referring to items, enabling companies in the same industry to communicate effectively without needing to name their items identically.
- Store a detailed description of what an item is without having to embed that meaning in the item number.
- Use descriptive elements as search criteria for items.
- Update the item description with a concatenated value of the item catalog group information.
- Find common existing parts when developing an engineering prototype.

Steps Involved

- Define item catalog groups: page 4 – 77.
- Define descriptive elements within each group: page 4 – 80.
- Define aliases for items in the group (optional): page 4 – 82.
- Specify recommended categories associated with the group (optional): page 4 – 84.

- Assign items to groups and enter descriptive element values: page 5 – 119.
- Update an item's description with concatenated catalog group information: page 4 – 79.

See Also

Implementing the Item Master Organization: page 4 – 4

Item Cataloging Examples: page 4 – 83

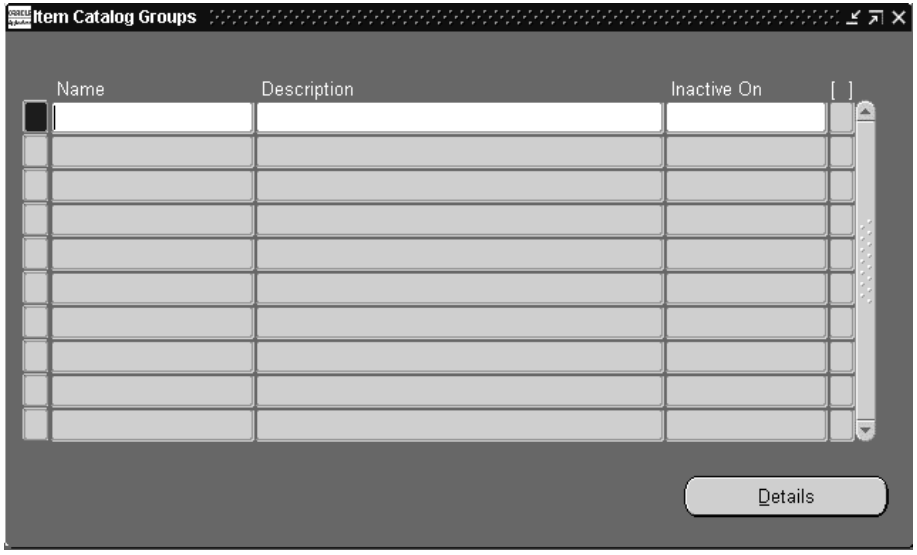
Overview of Item Setup and Control: page 4 – 2.

Overview of Items: page 5 – 2

Defining Item Catalog Groups

▶ **To define an item catalog group:**

1. Navigate to the Item Catalog Groups window.



2. Enter a unique name for the group.
3. Enter a description.

   If you choose to build an item's description from the catalog, the description is built beginning with the information entered here. See: Concatenated Item Descriptions: page 4 – 79.

   Note: You can choose to use the Catalog Name instead of the Description as the first element in a concatenated item catalog description. To do this change the *INV:Use catalog name in the item description* profile option to *Yes***.** See: Oracle Inventory Profile Options: page 1 – 26.
4. Save your work.

▶ **To make an item catalog group inactive:**

- Enter the date on which the catalog group becomes inactive.

  As of this date you can no longer assign items to this group. You can use an inactive group in reports and searches.

▶ **To define descriptive elements for an item catalog group:**

- Select an item catalog group and choose Details. See: Defining Descriptive Elements: page 4 – 80.

See Also

Defining Aliases: page 4 – 82

Specifying Recommended Categories: page 4 – 84

Overview of Item Cataloging: page 4 – 75

Concatenated Item Descriptions

When you define descriptive elements for an item catalog group, you specify whether the value of a particular descriptive element can be concatenated and used as an item's description.

When you assign an item to a catalog group, you choose descriptive elements that apply to the item, and assign values to the descriptive elements. You can then create a concatenated item description by choosing the Update Description button. If you choose Update Description**,** Oracle Inventory concatenates the item catalog group information and overwrites the item description with this new information.

Concatenated Item Description Structure

Oracle Inventory builds a concatenated item description by combining segments of catalog information. The first segment is either the catalog group Description or the Catalog Name. You can choose which to use by setting the *INV:Use catalog name in the item description* profile option. See: Oracle Inventory Profile Options: page 1 – 26.

Additional segments consist of the values for descriptive elements that have Description Default turned on.

The Item Catalog Flexfield separator is used as a delimiter between each segment of the combined description. See: Defining Key Flexfield Segments, *Oracle Applications Flexfields Guide*.

When the description is displayed, the delimiters appear even if data is missing for some of the descriptive elements. For example, an item catalog group called Computer with a description of Personal Computer, and descriptive elements of Speed (25 MHZ), Size ( ), and Monitor (color), would produce this description:

Personal Computer,25 MHZ,,color

See Also

Defining Descriptive Elements: page 4 – 80

Assigning Items to Catalogs: page 5 – 119

Overview of Item Cataloging: page 4 – 75

Defining Descriptive Elements

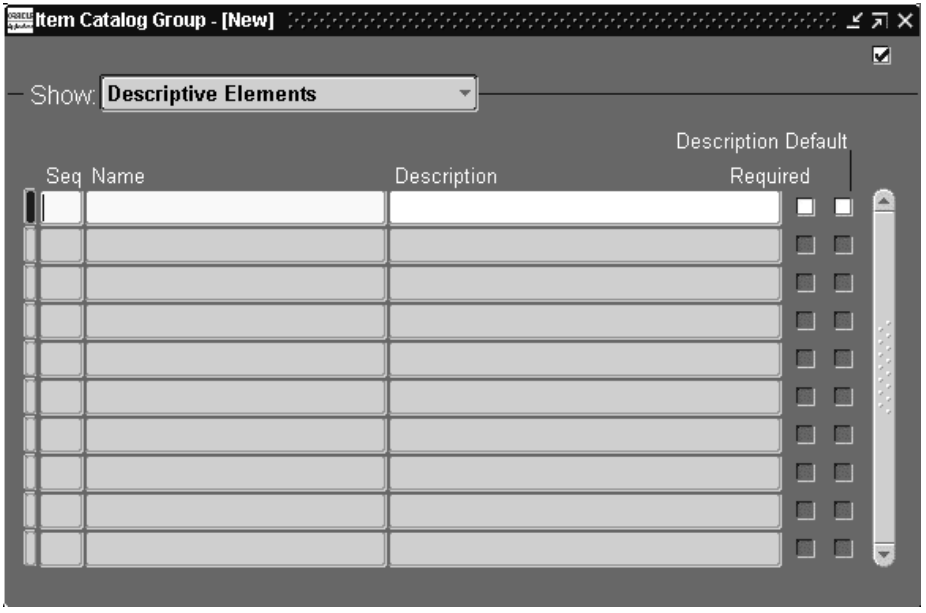
You can define any number of descriptive elements for an item catalog group. You can also describe whether the descriptive element is required at item definition, and whether the descriptive element value is included by default in the item catalog description.

Description Default

Descriptive element values can be concatenated and used to create an item's description. You turn this feature off or on for each descriptive element in a catalog group. Turn Description Default on for any element you want included in a concatenated description. You create a concatenated description when assign an item to an item catalog group.
See: Assigning Items to Catalogs: page 5 – 119.

▶ **To define descriptive elements for an item catalog group:**

1. Navigate to the Item Catalog Groups window.
2. Select an item catalog group and choose Details. The Item Catalog Group window appears.



3. Select the Descriptive Elements tabbed region.
4. Enter a unique sequence number.

When you assign an item to a group, the descriptive elements are presented in the order you define here.

5. Enter the name of a new descriptive element.

   Examples: Color, height, texture.

6. Determine whether the descriptive element is required for this catalog group.

   When you assign an item to a catalog group, you must enter a value for required descriptive elements in order for the catalog to be considered complete. If an element is not required, entering a value is optional.

7. Determine whether the descriptive element is automatically used to create the catalog description (Description Default).

   If you choose to concatenate the value of the descriptive element to create the catalog description, you can use this description to overwrite an existing item description.

8. Save your work.

See Also

Concatenated Item Descriptions: page 4 – 79

Defining Item Catalog Groups: page 4 – 77

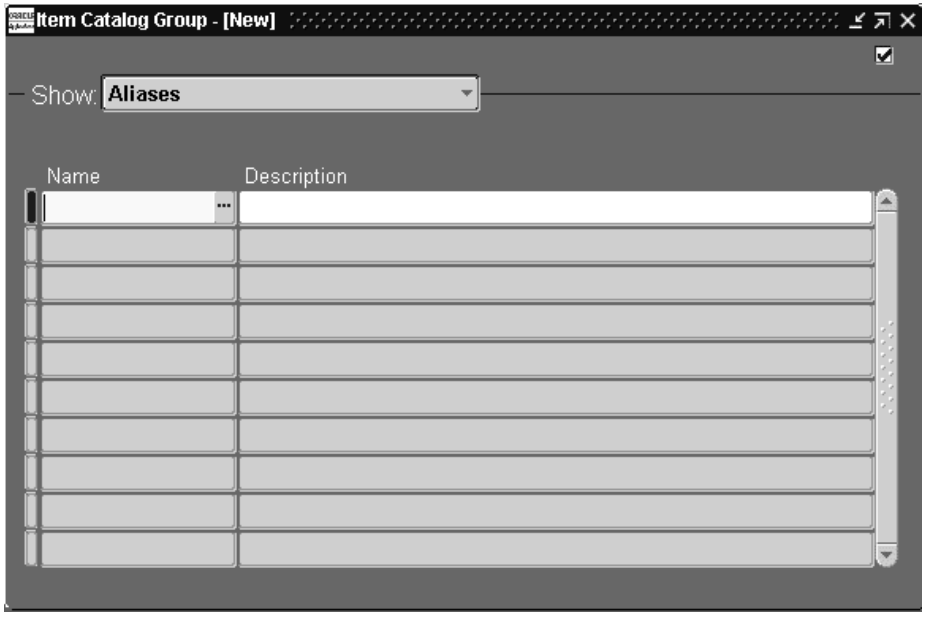
Overview of Item Cataloging: page 4 – 75

Defining Aliases

You can specify any number of aliases for the items that belong to the catalog group. This is for information / reporting purposes only. You can print the list of aliases and use the list as recommended item cross references, for example. You can choose any alias you have defined for any item catalog group, or you can create new aliases.

▶ **To define an alias for items in a catalog group:**

1. Navigate to the Item Catalog Groups window.
2. Select an item catalog group and choose Details. The Item Catalog Group window appears.



3. Select the Aliases tabbed region.
4. Enter a unique name.
5. Save your work.

See Also

Defining Cross–Reference Types: page 4 – 39

Overview of Item Cataloging: page 4 – 75

Item Cataloging Examples

Example 1

In a hospital environment, item cataloging can help doctors identify precisely the drug they want from several that are nearly identical in composition, without extensive research. By defining groups, descriptive elements, and values that are increasingly specific, a doctor can search for the proper drug using the specifics of the chemical structure. The item cataloging feature is highly flexible in that you define your own groups, descriptive elements, and values to suit your own specific needs.

Example 2

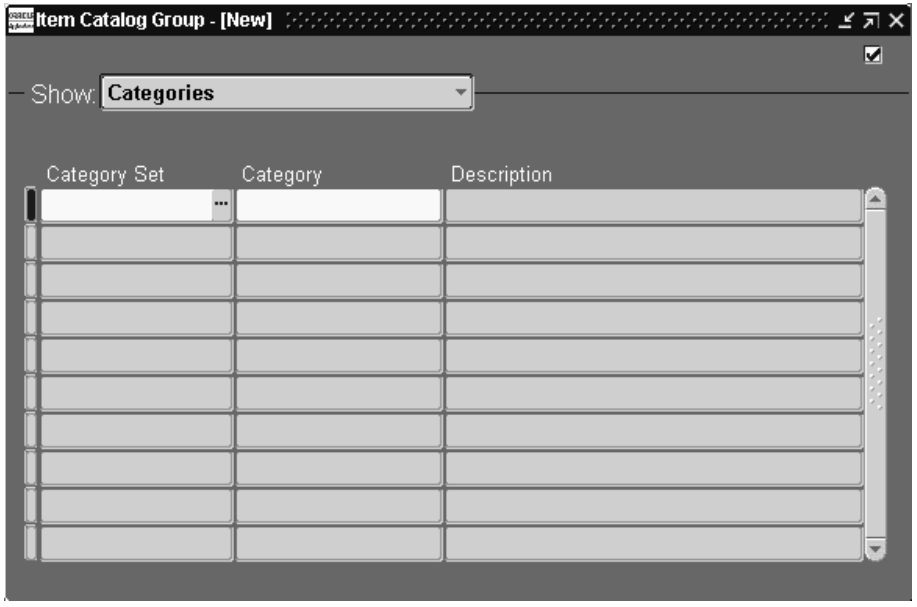
A clothing retailer sells partly through mail order catalogs. Customers want to order apparel over the phone, but they do not always know the item number of what they want. Item cataloging allows an order entry clerk to find the right item based on a general description. This reduces order entry time and increases customer satisfaction.

Specifying Recommended Categories

You can specify any number of recommended categories for an item catalog group. This is for information / reporting purposes only. You can print the list of categories and use the list as recommended categories when you define items.

▶ **To enter a list of recommended categories to use when assigning categories to the items in this catalog group**:

1. Navigate to the Item Catalog Groups window.
2. Select an item catalog group and choose Details. The Item Catalog Group window appears.



3. Select the Categories tabbed region.
4. Select a category set and category.
5. Save your work.

See Also

Assigning Items to Categories: page 4 – 63

Item Categories: page 4 – 51

Overview of Item Cataloging: page 4 – 75

CHAPTER

5 Items

Overview of Items

An item is a part or service you purchase, sell, plan, manufacture, stock, distribute, or a prototype. You can define and control items that you stock in inventory. Once defined, you assign items to organizations. You may choose to have centralized or decentralized control of your items through a variety of item attributes. There are two ways to define items, you can use the Attribute Groups tab, or the Item Folder tab. This chapter discusses both methods of defining items.

Steps Involved in Defining Items

- Complete the Item Setup steps. See: Overview of Item Setup: page 4 – 2.
- Use templates and existing items (copying items) to define items in the master organization. See Defining Items: page 5 – 6.
- Enter values for item attributes. See: Defining Items: page 5 – 6.
- Enable the item in other organizations. See: Assigning Items to Organizations: page 5 – 12.

You can also:

- import items using the Open Item Interface: page 5 – 110
- import items using the Customer Item Interface: page 5 – 112
- update organization level attributes: page 5 – 17
- view attributes for an item in single or multiple organizations: page 5 – 117
- assign items to categories: page 4 – 63
- assign items to catalogs: page 5 – 119
- define and view pending statuses: page 4 – 23
- assign item cross–references: page 4 – 41
- attach documents to items: page 5 – 116
- define item relationships: page 5 – 121
- define manufacturer part numbers: page 5 – 125
- define item / subinventory information: page 5 – 127
- define item revisions: page 5 – 133
- define item transaction defaults: page 5 – 135

- search for items: page 5 – 138
- use the data entry enabled folder to group attributes and assign a default template: page 5 – 14
- define product families: see Product Families, *Oracle Bills of Material User's Guide*.
- delete items: see Deleting Items, Bills, Routings, Components, and Operations, *Oracle Bills of Material User's Guide*.

Master Level vs. Organization Level

Item attributes are the collection of information about an item. Using the Item Attribute Controls window, you can designate whether an item attribute is defined / maintained at the Master level or the Organization level. Attributes at the Master level are the same across all organizations, giving you centralized control over the values assigned. If an attribute is maintained at the Organization level, you can have different values in each organization the item is assigned to and therefore have decentralized control over that attribute. See: Defining Item Attribute Controls: page 4 – 17.

For example, you can define and maintain an item's unit of measure at the Master level. This means that the unit of measure is always the same for the item, no matter in which organization you assign the item. Or, you can designate that an item's unit of measure is maintained at the Organization level. This means that each organization you assign the item to can have a different unit of measure for the item.

Some attributes can be maintained only at one of these levels. The following table lists the attributes that require control at a specific level:

Attribute	Control Level
Base Model	Master
BOM Item Type	Organization
Container	Master
Cost of Goods Sold Account	Organization
Cumulative Total Lead Time	Organization
Cumulative Manufacturing Lead Time	Organization
Descriptive Flexfield	Organization
Downloadable	Master
Effectivity Control	Master
Electronic Format	Master
Encumbrance Account	Organization
Engineering Item	Master
Equipment	Organization
Event	Master

Attribute	Control Level
Expense Account	Organization
Fixed Lead Time	Organization
Global Descriptive Flexfield	Organization
Over Return Tolerance	Organization
Over Shipment Tolerance	Organization
Planner	Organization
Planning Exception Set	Organization
Postprocessing Lead Time	Organization
Preprocessing Lead Time	Organization
Processing Lead Time	Organization
Sales Account	Organization
Source Organization	Organization
Source Subinventory	Organization
Under Return Tolerance	Organization
Under Shipment Tolerance	Organization
Variable Lead Time	Organization
Vehicle	Master
WIP Supply Locator	Organization
WIP Supply Subinventory	Organization

Use the Master Item window to define and maintain Master level attributes. You assign default values for Organization level attributes in the Master Item window. Use the Organization Items window to update Organization level attributes. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Defining Items

There are two ways you can define items from the Master Items window. You can use the Attribute Groups tab, or the Item Folder tab. The Attributes Group tab allows you to select individual attributes, and use the tool menu to apply templates and assign organizations The Item Folder tab enables you to create an item, apply a default template, and assign the item to an organization all in one window.

Most of the item information is optional. You define only the information you need to maintain the item.

> **Note:** Throughout this document, engineering items are referred to generically, as *items*.

Prerequisites

- Organization parameters: page 2 – 4
- Item attribute controls: page 4 – 17
- Units of measure: page 3 – 2
- Statuses: page 4 – 21
- Categories: page 4 – 51
- Other entities such as planners when you want to assign them to items

See Also

Overview of Items: page 5 – 2

Defining an Item Using the Attribute Groups Tab: page 5 – 7

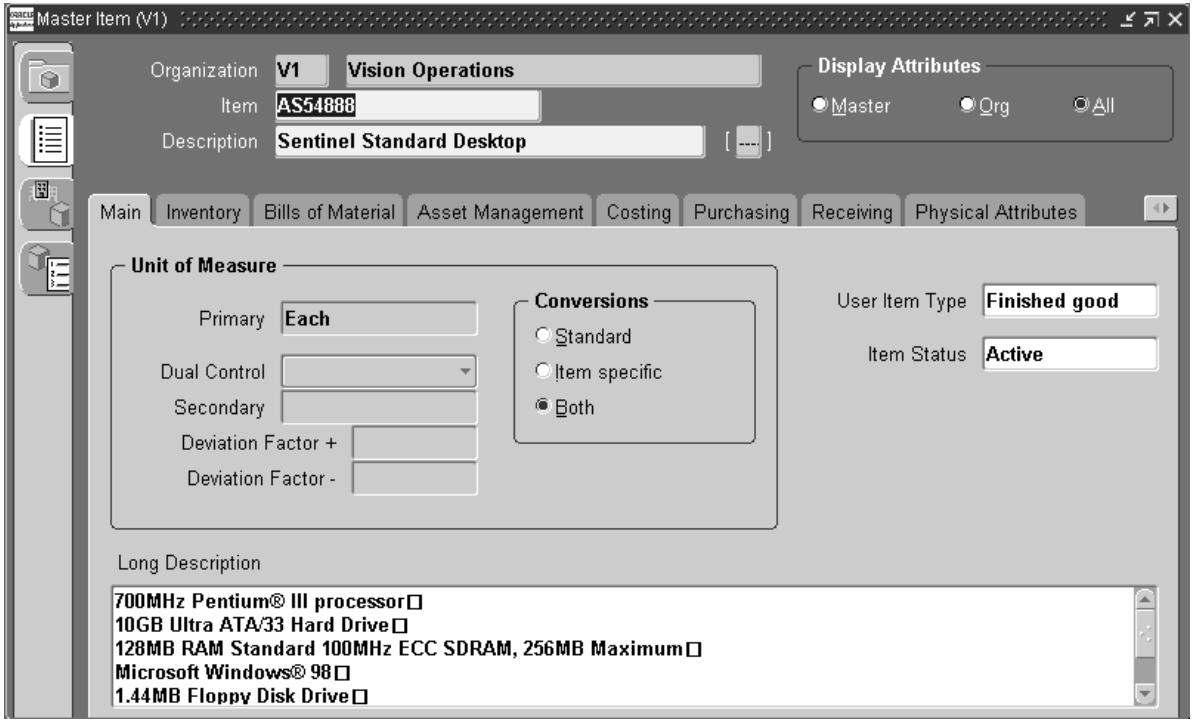
Defining an Item Using the Item Folder Tab: page 5 – 14

Item Templates: page 4 – 29.

Defining an Item Using the Attribute Groups Tab

▶ **To define an item using the Attibute Groups Tab:**

1. Navigate to the Attribute Groups tab on the Master Item window.



2. Enter a unique designator for the item.
3. Optionally, select a Control Level to enable only Master level or Organization level attributes. The default is to enable all attributes.
4. Select an tabbed region to display an item attribute group where you can specify values for attributes in that group.

   For information on the attributes for each group and the values you can enter see Item Attributes Listed by Group Name: page 5 – 20.

   Note: To locate a particular attribute without manually looking through the tabbed regions choose Find Attribute from the Tools menu.
5. Save your work.

▶ **To display existing items:**

- Choose Find from the Query menu and enter search criteria in the Find Master Items window. If you do not enter search criteria and choose Find, the search is made for all items. The results display in the Master Items Summary folder window.

▶ **To define an item by copying attribute information from an existing item:**

1. From the Master Item window choose Copy From on the Tools menu to open the Copy From window.
2. Enter the name of the item whose attribute information you want to copy.
3. Choose Cancel to close the Copy From window, choose Apply to copy attribute information, or choose Done to copy attribute information and close the Copy From window.

   Item attribute information is copied from the copy item to the new item you are defining. You cannot use this process to copy attributes to an existing item.

Attention: Category relationships, organization assignments, catalog group information, and costs are *not* copied.

4. Save your work.

▶ **To define an item using a template:**

1. From the Master Item window choose Copy From on the Tools menu.
2. Enter the name of the template you want to apply.
3. Choose Cancel to close the Copy From window, choose Apply to copy template information, or choose Done to copy template information and close the Copy From window.

   You can apply multiple templates to the item. The more recent attribute values (from the last template applied) override previous values unless the previous value is not updatable (such as the Primary Unit of Measure, which is never updatable). See: Item Templates: page 4 – 29.

4. Save your work.

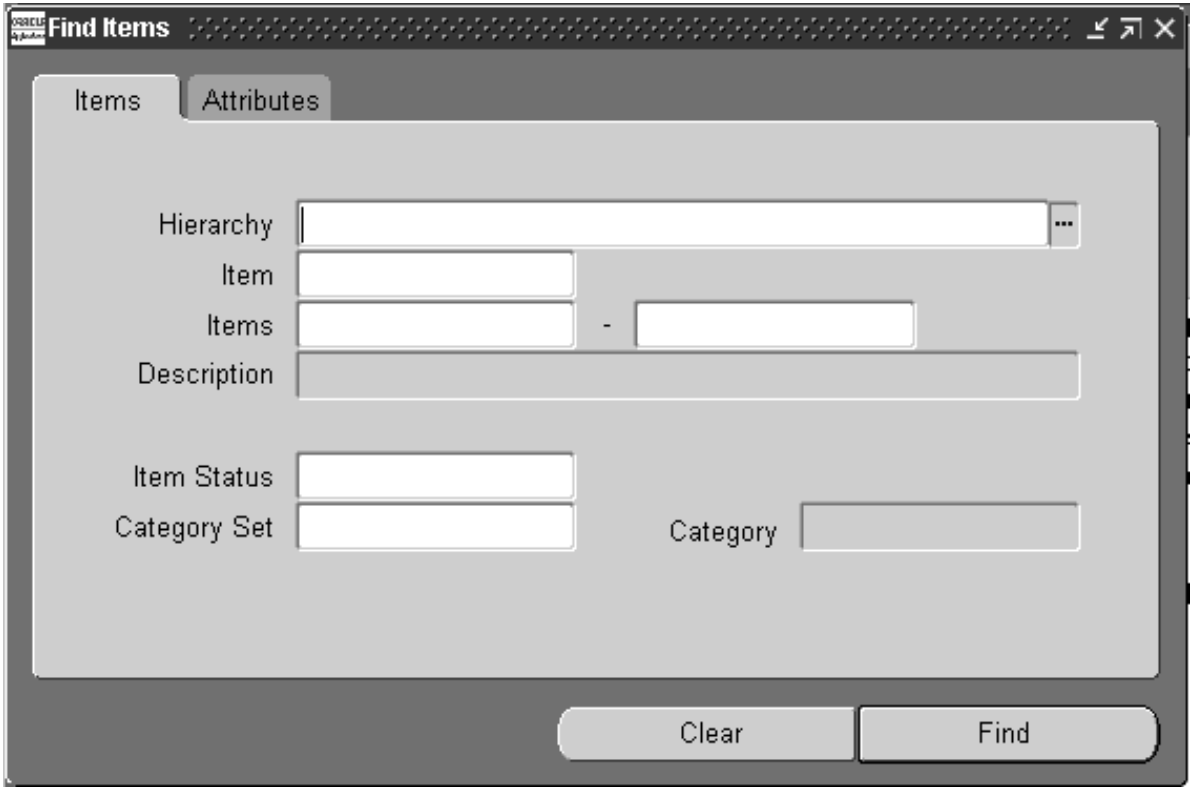
▶ **To copy attributes from an existing item and apply a template at the same time:**

1. From the Master Item window choose Copy From on the Tools menu.
2. Enter the name of the template and the item you want to apply.
3. Choose Cancel to close the Copy From window, choose Apply to copy attribute and template information, or choose Done to copy attribute and template information and close the Copy From window.

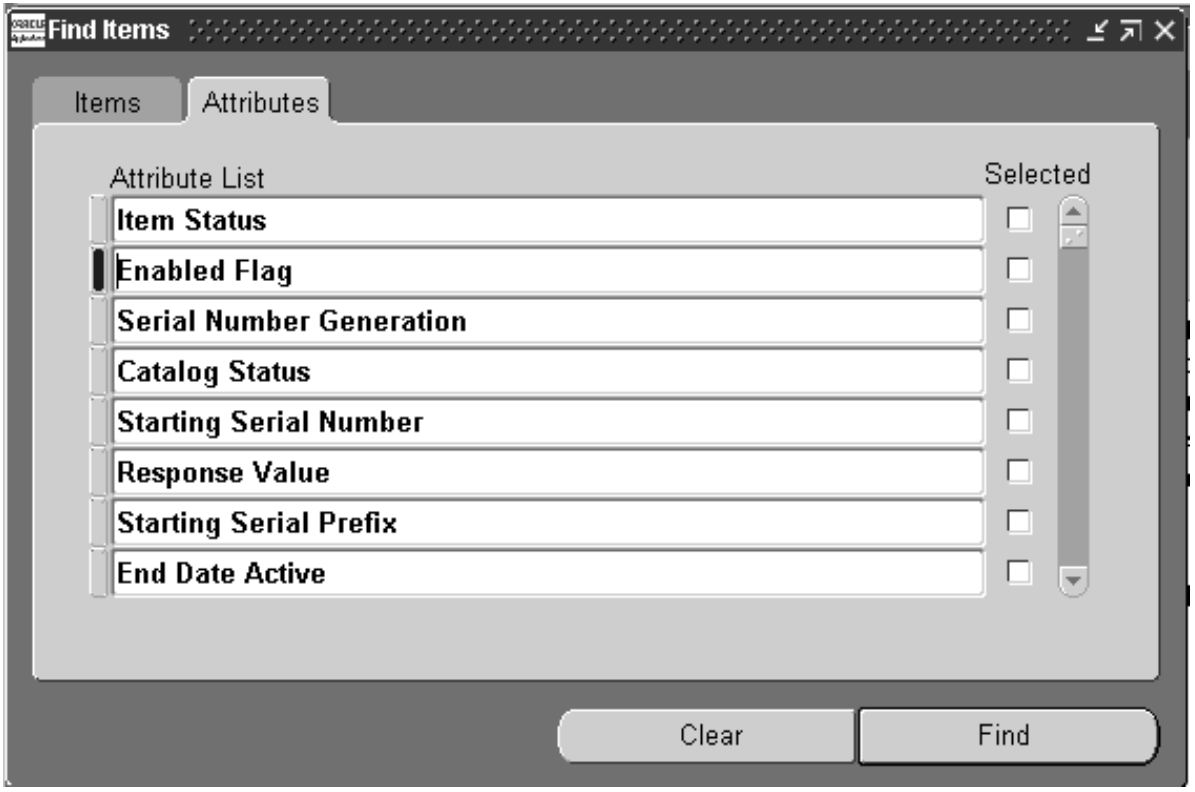
   Note that the item is copied first, and then the template is applied.
4. Save your work.

▶ **To copy/view item attributes across multiple organizations within a large organization structure:**

1. Navigate to the Item Attributes Copy form.



2. Indicate the organization hierarchy where you want to copy attributes.
3. Indicate an item number, range of items, or an item category to which you wish to copy attributes.
4. Navigate to the Attributes tab and select the attributes to verify. Choose Find.



The Item Attribute Copy window lists all organizations for this item, according to the parameters you have set.

5. Choose the Select All button or checkmark individual attributes, then press the Apply button.

   This applies the attribute values to the item across all organizations in the organization hierarchy where the item exists. You should see the updated value.

   Note: The item attributes that you can view are set at the organization level. You can not modify or see attributes set at the master level.

6. Save your work.

See Also

Updating Organization Level Items: page 5 – 17

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Searching for Information, *Oracle Applications User's Guide*

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Assigning Items to Organizations

You can enable your item in all organizations under the master organization, or you can choose to enable your item in specific organizations. You use the master item window in each organization to enter or change organization level attributes. For example you can select Reorder Point planning for an item in one organization, and select Min–Max planning for the same item in another organization.

▶ **To assign an item to an organization:**

1. Navigate to the Master Item window.
2. Choose Find from the Query menu to select an item.
3. Choose Organization Assignment from the Tools menu or select the Organization Assignment tab to the to navigate Organization Assignment window.

4. The Organization field displays all organizations with this Master Organization. If you want the item enabled in specific organizations

click the Assigned field. The item will exist only in the Item Master and the child organizations specified here.

5. Enter the primary unit of measure for the item in this organization.

   If the control level for the primary unit of measure attribute is set to the Master Item level, you cannot select another value here.

6. Save your work.

▶ **To enable the item in all organizations:**

- Choose the Assign All button:

  If you select this option the item exists in the Item Master and all child organizations. You can de–select organization assignments, however, once you save you cannot make changes. If you define additional organizations, you must rechoose this option if you want to associate the item with the new organizations.

  If you do not select this option the item belongs to the item master organization only until you assign it to one or more child organizations.

See Also

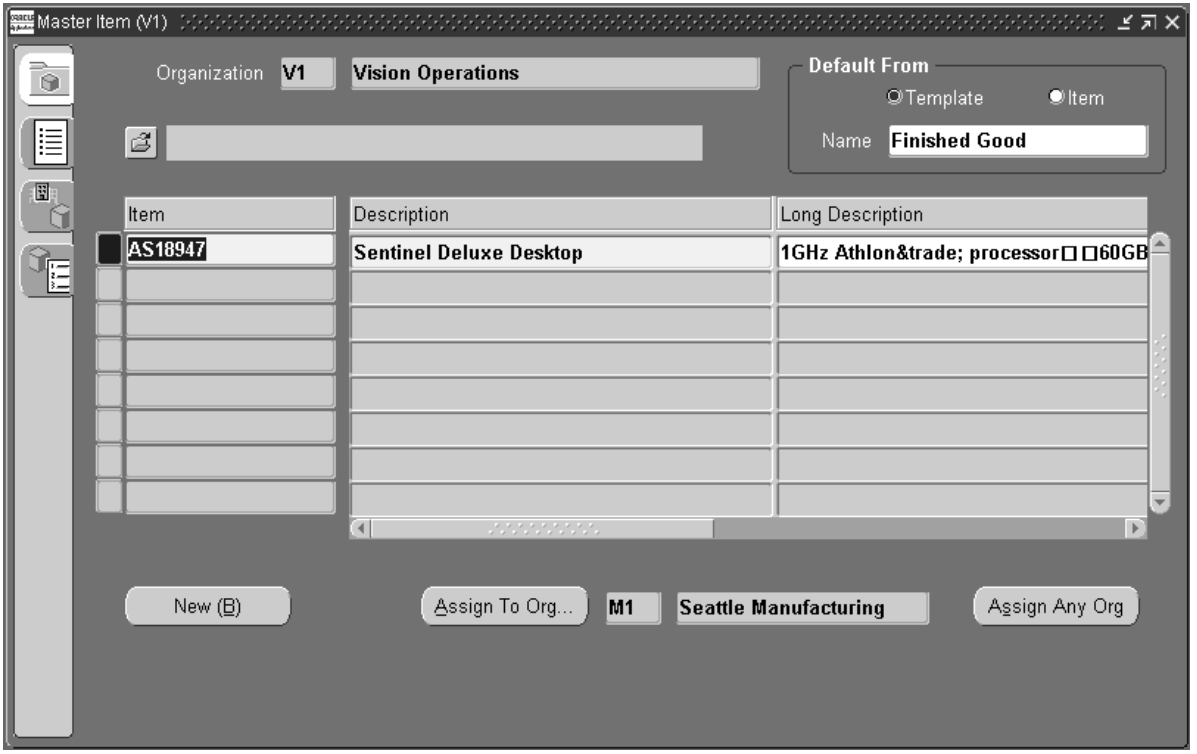
Implementing the Item Master Organization: page 4 – 4

Overview of Items: page 5 – 2

Defining an Item Using the Item Folder Tab

▶ **To define an Item Using the Item Folder Tab**

1. Navigate to the Master Item window.
2. Select the Folder tab on the Master Item window.



3. In the Default From region, select Template or Item.
4. Enter the template or item to copy, or select the item or template from the list of values.
5. Enter a unique designator for the item.
6. Enter a Description for the item.
7. Enter the Primary Unit of Measure, or select it from the list of values.
8. Save your work.
9. Select Assign to Org to assign the item to the current organization.

10. Select Assign to Any Org to assign the item to multiple organizations. See Assigning Items to Organizations: page 5 – 12
11. Save your work.
12. Select New to create another item, and repeat steps 3–11, or close the form when finished.

See Also

Overview of Items: page 5 – 2

Item Templates: page 4 – 29.

Defining an Item Using the Attribute Groups Tab: page 5 – 7

Updating Item Attributes

To update Master level attributes use the Master Item window. If an attribute is controlled at the Master level, the value of the attribute applies for all organizations in which the item is assigned.

You can use the Organization Item window to update Organization level item attributes. This update window only updates Organization level attributes in your current organization. See: Updating Organization Level Items: page 5 – 17. If you change an Organization level attribute with the Master Item window, you are simply defining the default value for that organization level attribute (and changing the value in the master organization). This default is used when you assign an item to a new organization.

You can use the Item Attribute Copy form to update the value of an item attribute across multiple organizations in a given organization hierarchy. This program enables you to manage item attributes for many organizations in one place. You can examine selected item attributes across organizations, choose an organization that contains model attributes for an item, and copy those attributes to any other organizations at or below the designated hierarchy origin. This aids in the management of item setup and maintenance and is useful for companies that have a large number of inventory organizations utilizing the same item master.

Updating Organization Level Items

Use the Organization Items window to update Organization level item attributes for your current organization. To update Master level attributes use the Master Items window. See: Defining Items: page 5 – 6.

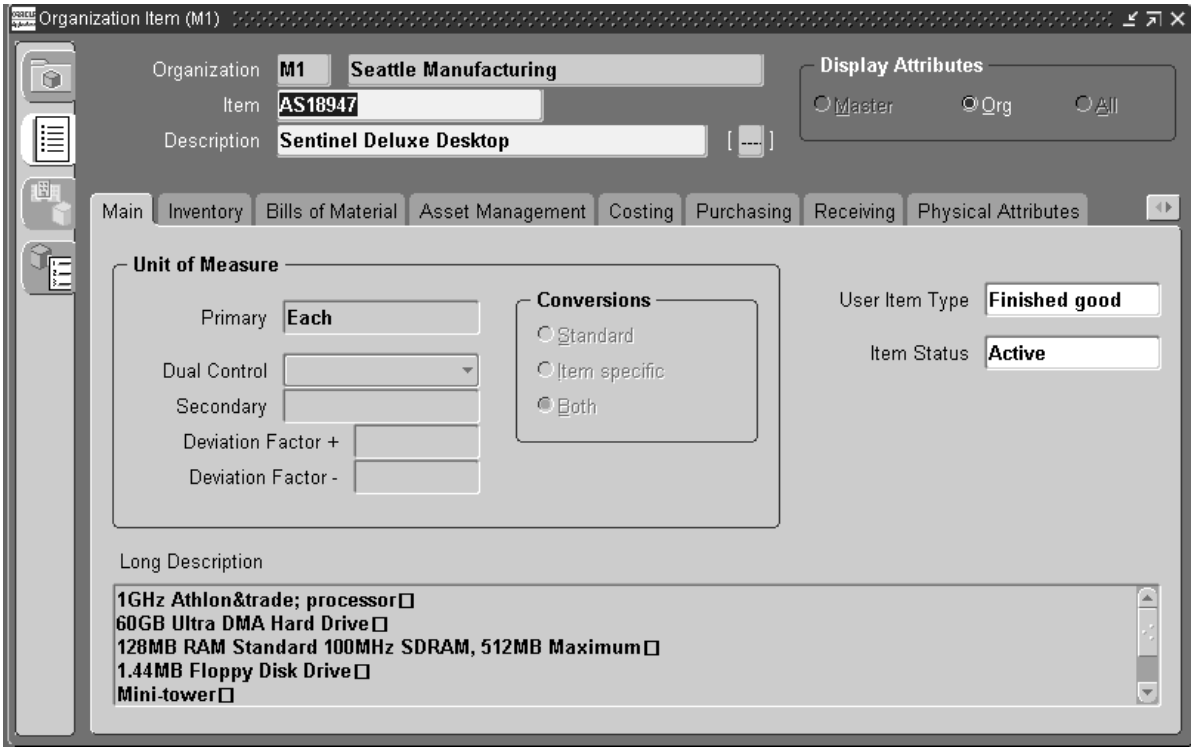
> **Note:** Throughout this document, we refer to engineering items generically, as *items*.

▶ **To update organization level attributes:**

1. Navigate to the Organization Items Summary folder window.
2. Choose Find from the Query menu to display the Find Items window.
3. Enter search criteria and choose Find to locate the item or items you want to update. Multiple items display in the Organization Items Summary window, a single item displays in the Organization Item window.

Attention: If you do not enter search criteria, the search is made for all items.

4. If you search returned multiple items, select an item and choose Open. The Organization Item window appears.



5. Select an alternative region to display an item attribute group where you can update values for organization level attributes in that group.

   For information on the attributes for each group and the values you can enter see Item Attributes Listed by Group Name: page 5 – 20.

   Note: To locate a particular attribute without manually looking through the tabbed regions choose Find Attribute from the Tools menu.

6. Save your work.

▶ **To update organization level attributes using a Template:**

1. From the Organization Item window choose Copy From on the Tools menu.
2. Enter the name of the template you want to apply.
3. Choose Copy. The template is applied immediately.

   You can apply multiple templates to the item. The more recent attribute values (from the last template applied) override previous

values unless the previous value is not updatable (such as the Primary Unit of Measure, which is never updatable). See: Item Templates: page 4 – 29.

4. Save your work.

See Also

Defining Items: page 5 – 6

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Searching for Information, *Oracle Applications User's Guide*

Item Attributes Listed by Group Name

Main: page 5 – 39

- Primary Unit of Measure
- Dual Control
- Secondary
- Deviation Factor +
- Deviation Factor –
- User Item Type
- Item Status
- Conversions
- Long Description

Inventory: page 5 – 43

- Inventory Item
- Stockable
- Transactable
- Revision Control
- Reservable
- Check Material Shortage
- Lot Expiration (Shelf Life) Control
- Shelf Life Days
- Lot Control
- Starting Lot Prefix
- Starting Lot Number
- Cycle Count Enabled
- Negative Measurement Error
- Positive Measurement Error
- Serial Generation
- Starting Serial Prefix
- Starting Serial Number

- Lot Status Enabled
- Serial Status Enabled
- Lot Split Enabled
- Lot Merge Enabled
- Lot Translate Enabled
- Bulk Picked
- Locator Control
- Restrict Subinventories
- Restrict Locators

Bills of Material: page 5 – 51

- BOM Allowed
- BOM Item Type
- Base Model
- Engineering Item (Oracle Engineering only)
- Effectivity Control

Asset Management

- Asset Item Type
- Activity Type
- Activity Cause
- Shutdown Type
- Activity Notification Required

Costing: page 5 – 56

- Costing Enabled
- Inventory Asset Value
- Include in Rollup
- Cost of Goods Sold Account
- Standard Lot Size

Purchasing: page 5 – 58

- Purchased
- Purchasable
- Use Approved Supplier
- Allow Description Update
- RFQ Required
- Outside Processing Item
- Outside Processing Unit Type
- Taxable
- Tax Code
- Receipt Required (Three–Way Invoice Matching)
- Inspection Required (Four–Way Invoice Matching)
- Default Buyer
- Unit of Issue
- Receipt Close Tolerance
- Invoice Close Tolerance
- UN Number
- Hazard Class
- List Price
- Market Price
- Price Tolerance
- Rounding Factor
- Encumbrance Account
- Expense Account
- Asset Category

Receiving: page 5 – 65

- Receipt Date Action
- Receipt Days Early
- Receipt Days Late
- Overreceipt Quantity Control Action

- Overreceipt Quantity Control Tolerance
- Allow Substitute Receipts
- Allow Unordered Receipts
- Allow Express Transactions
- Receipt Routing
- Enforce Ship–To

Physical Attributes: page 5 – 69

- Weight Unit of Measure
- Unit Weight
- Volume Unit of Measure
- Unit Volume
- Container
- Vehicle
- Container Type
- Internal Volume
- Maximum Load Weight
- Minimum Fill Percentage
- Dimension Unit of Measure
- Dimension Length
- Dimension Width
- Dimension Height
- Collateral Item
- Event
- Equipment
- Electronic Format
- Downloadable
- OM Indivisible

General Planning: page 5 – 72

- Inventory Planning Method

- Planner
- Make or Buy
- Min–Max Minimum Quantity
- Min–Max Maximum Quantity
- Minimum Order Quantity
- Maximum Order Quantity
- Order Cost
- Carrying Cost Percent
- Source Type (Replenishment)
- Source Organization
- Source Subinventory
- Safety Stock Method
- Safety Stock Bucket Days
- Safety Stock Percent
- Fixed Order Quantity
- Fixed Days Supply
- Fixed Lot Multiplier

MPS/MRP Planning: page 5 – 79

- Planning Method
- Forecast Control
- Exception Set
- Pegging
- Planned Inventory Point
- Create Supply
- Shrinkage Rate
- Round Order Quantities
- Acceptable Early Days
- Repetitive Planning
- Overrun Percentage
- Acceptable Rate Increase

- Acceptable Rate Decrease
- Calculate ATP
- Reduce MPS
- Planning Time Fence
- Planning Time Fence Days
- Demand Time Fence
- Demand Time Fence Days
- Release Time Fence
- Release Time Fence Days
- Substitution Window Type
- Substitution Window Days

Lead Times: page 5 – 91

- Preprocessing
- Processing
- Postprocessing
- Fixed
- Variable
- Cumulative Manufacturing
- Cumulative Total
- Lead Time Lot Size

Work in Process: page 5 – 93

- Build in WIP
- Supply Type
- Supply Subinventory
- Supply Locator
- Overcompletion Tolerance Type
- Overcompletion Tolerance Value
- Scheduling Penalty Inventory Carry
- Scheduling Penalty Operation Slack

Order Management: page 5 – 96

- Customer Ordered
- Customer Orders Enabled
- Shippable
- Internal Ordered
- Internal Orders Enabled
- OE Transactable
- Pick Components
- Assemble to Order
- ATP Components
- Ship Model Complete
- Check ATP
- ATP Rule
- Picking Rule
- Default Shipping Organization
- Default SO Source Type
- Returnable
- RMA Inspection Required
- Financing Allowed
- Over Shipment Tolerance
- Under Shipment Tolerance
- Over Return Tolerance
- Under Return Tolerance

Invoicing: page 5 – 102

- Invoiceable Item
- Invoice Enabled
- Accounting Rule
- Invoicing Rule
- Tax Code
- Sales Account

- Payment Terms

Service: page 5 – 104

- Contract Item Type
- Contract Duration
- Contract Duration Period
- Service Duration
- Subscription Dependency Enabled
- Service Importance Level
- Billing Type
- Service Request Enabled
- Provisionable
- Serviceable Product
- Service Billing Enabled
- Defect Tracking Enabled
- Recovered Part Disposition
- Installed Base Tracking
- Asset Creation
- Starting Delay (Days)

Web Option: page 5 – 107

- Web Status
- Orderable On the Web
- Back Orderable

See Also

Overview of Item Setup and Control: page 4 – 2.

Defining Item Attribute Controls: page 4 – 17

Item Attributes Listed in Alphabetical Order

Following is a list of item attributes and the corresponding attribute group to which they belong.

Acceptable Early Days	See: MPS / MRP Planning: page 5 – 79
Acceptable Rate Decrease	See: MPS / MRP Planning: page 5 – 79
Acceptable Rate Increase	See: MPS / MRP Planning: page 5 – 79
Accounting Rule	See: Invoicing: page 5 – 102
Activity Cause	See: Asset Management page 5 – 54
Activity Notification Required	See: Asset Management page 5 – 54
Activity Type	See: Asset Management page 5 – 54
Allow Description Update	See: Purchasing: page 5 – 58
Allow Express Transactions	See: Receiving: page 5 – 65
Allow Substitute Receipts	See: Receiving: page 5 – 65
Allow Unordered Receipts	See: Receiving: page 5 – 65
Assemble to Order	See: Order Management: page 5 – 96
Asset Category	See: Purchasing: page 5 – 58
Asset Creation	See: Service: page 5 – 104
Asset Item Type	See: Asset Management page 5 – 54
ATP Components	See: Order Management: page 5 – 96
ATP Rule	See: Order Management: page 5 – 96
Back Orderable	See: Web Option: page 5 – 107
Base Model	See: Bills of Material: page 5 – 51
Billing Type	See: Service: page 5 – 104
BOM Allowed	See: Bills of Material: page 5 – 51

BOM Item Type	See: Bills of Material: page 5 – 51
Build in WIP	See: Work in Process: page 5 – 93
Bulk Picked	See: Inventory: page 5 – 43
Calculate ATP	See: MPS / MRP Planning: page 5 – 79
Carrying Cost Percent	See: General Planning: page 5 – 72
Check ATP	See: Order Management: page 5 – 96
Check Material Shortages	See: Inventory: page 5 – 43
Collateral Item	See: Physical Attributes: page 5 – 69
Container	See: Physical Attributes: page 5 – 69
Container Type	See: Physical Attributes: page 5 – 69
Contract Duration	See: Service: page 5 – 104
Contract Duration period	See: Service: page 5 – 104
Contract Item Type	See: Service: page 5 – 104
Conversions	See: Main: page 5 – 39
Cost of Goods Sold Account	See: Costing: page 5 – 56
Coverage	See: Service: page 5 – 104
Costing Enabled	See: Costing: page 5 – 56
Create Supply	See: MPS / MRP Planning: page 5 – 79
Cumulative Manufacturing Lead Time	See: Lead Times: page 5 – 91
Cumulative Total Lead Time	See: Lead Times: page 5 – 91
Customer Ordered	See: Order Management: page 5 – 96
Customer Orders Enabled	See: Order Management: page 5 – 96

Cycle Count Enabled	See: Inventory: page 5 – 43
Default Buyer	See: Purchasing: page 5 – 58
Default Sales Order Source Type	See: Order Management: page 5 – 96
Defect Tracking Enabled	See: Service: page 5 – 104
Default Shipping Organization	See: Order Management: page 5 – 96
Demand Time Fence	See: MPS / MRP Planning: page 5 – 79
Demand Time Fence Days	See: MPS / MRP Planning: page 5 – 79
Deviation Factor+	See: Main: page 5 – 39
Deviation Factor–	See: Main: page 5 – 39
Dimension Height	See: Physical Attributes: page 5 – 69
Dimension Length	See: Physical Attributes: page 5 – 69
Dimension Width	See: Physical Attributes: page 5 – 69
Downloadable	See: Physical Attributes: page 5 – 69
Dual Control	See: Main: page 5 – 39
Effectivity Control	See: Bills of Material: page 5 – 51
Electronic Format	See: Physical Attributes: page 5 – 69
Encumbrance Account	See: Purchasing: page 5 – 58
Enforce Ship–To	See: Receiving: page 5 – 65
Engineering Item	See: Bills of Material: page 5 – 51
Equipment	See: Physical Attributes: page 5 – 69
Event	See: Physical Attributes: page 5 – 69
Exception Set	See: MPS / MRP Planning: page 5 – 79
Expense Account	See: Purchasing: page 5 – 58
Financing Allowed	See: Order Management: page 5 – 96

Fixed Days Supply	See: General Planning: page 5 – 72
Fixed Lead Time	See: Lead Times: page 5 – 91
Fixed Lot Multiplier	See: General Planning: page 5 – 72
Fixed Order Quantity	See: General Planning: page 5 – 72
Forecast Control	See: MPS / MRP Planning: page 5 – 79
Hazard Class	See: Purchasing: page 5 – 58
Include in Rollup	See: Costing: page 5 – 56
Inspection Required	See: Purchasing: page 5 – 58
Installed Based Tracking	See: Service: page 5 – 104
Internal Ordered	See: Order Management: page 5 – 96
Internal Orders Enabled	See: Order Management: page 5 – 96
Internal Volume	See: Physical Attributes: page 5 – 69
Inventory Asset Value	See: Costing: page 5 – 56
Inventory Item	See: Inventory: page 5 – 43
Inventory Planning Method	See: General Planning: page 5 – 72
Invoice Close Tolerance	See: Purchasing: page 5 – 58
Invoice Enabled	See: Invoicing: page 5 – 102
Invoiceable Item	See: Invoicing: page 5 – 102
Invoicing Rule	See: Invoicing: page 5 – 102
Item Status	See: Main: page 5 – 39
Lead Time Lot Size	See: Lead Times: page 5 – 91
List Price	See: Purchasing: page 5 – 58
Locator Control	See: Inventory: page 5 – 43
Long Description	See: Main: page 5 – 39

Lot Control	See: Inventory: page 5 – 43
Lot Expiration (Shelf Life) Control	See: Inventory: page 5 – 43
Lot Merge Enabled	See: Inventory: page 5 – 43
Lot Split Enabled	See: Inventory: page 5 – 43
Lot Status Enabled	See: Inventory: page 5 – 43
Lot Translate Enabled	See: Inventory: page 5 – 43
Make or Buy	See: General Planning: page 5 – 72
Market Price	See: Purchasing: page 5 – 58
Maximum Load Weight	See: Physical Attributes: page 5 – 69
Maximum Order Quantity	See: General Planning: page 5 – 72
Min–Max Maximum Quantity	See: General Planning: page 5 – 72
Min–Max Minimum Quantity	See: General Planning: page 5 – 72
Minimum Fill Percentage	See: Physical Attributes: page 5 – 69
Minimum Order Quantity	See: General Planning: page 5 – 72
Negative Measurement Error	See: Inventory: page 5 – 43
Network Logistics Trackable	See: Inventory: page 5 – 43
OE Transactable	See: Order Management: page 5 – 96
OM Indivisible	See: Physical Attributes: page 5 – 69
Orderable On the Web	See: Web Option: page 5 – 107

Order Cost	See: General Planning: page 5 – 72
Outside Processing Item	See: Purchasing: page 5 – 58
Outside Processing Unit Type	See: Purchasing: page 5 – 58
Over Return Tolerance	See: Order Management: page 5 – 96
Over Shipment Tolerance	See: Order Management: page 5 – 96
Overcompletion Tolerance Type	See: Work in Process: page 5 – 93
Overcompletion Tolerance Value	See: Work in Process: page 5 – 93
Overreceipt Quantity Control Action	See: Receiving: page 5 – 65
Overreceipt Quantity Control Tolerance	See: Receiving: page 5 – 65
Overrun Percentage	See: MPS / MRP Planning: page 5 – 79
Payment Terms	See: Invoicing: page 5 – 102
Pegging	See: MPS / MRP Planning: page 5 – 79
Pick Components	See: Order Management: page 5 – 96
Picking Rule	See: Order Management: page 5 – 96
Planned Inventory Point	See: MPS / MRP Planning: page 5 – 79
Planner	See: General Planning: page 5 – 72
Planning Method	See: MPS / MRP Planning: page 5 – 79
Planning Time Fence	See: MPS / MRP Planning: page 5 – 79
Planning Time Fence Days	See: MPS / MRP Planning: page 5 – 79

Positive Measurement Error	See: Inventory: page 5 – 43
Postprocessing Lead Time	See: Lead Times: page 5 – 91
Preprocessing Lead Time	See: Lead Times: page 5 – 91
Price Tolerance %	See: Purchasing: page 5 – 58
Primary Unit of Measure	See: Main: page 5 – 39
Processing Lead Time	See: Lead Times: page 5 – 91
Provisionable	See: Service: page 5 – 104
Purchasable	See: Purchasing: page 5 – 58
Purchased	See: Purchasing: page 5 – 58
Recipt Close Tolerance	See: Purchasing: page 5 – 58
Receipt Date Action	See: Receiving: page 5 – 65
Receipt Days Early	See: Receiving: page 5 – 65
Receipt Days Late	See: Receiving: page 5 – 65
Receipt Required	See: Purchasing: page 5 – 58
Receipt Routing	See: Receiving: page 5 – 65
Receive Close Tolerance	See: Purchasing: page 5 – 58
Recovered Part Disposition	See: Service: page 5 – 104
Reduce MPS	See: MPS / MRP Planning: page 5 – 79
Release Time Fence	See: MPS / MRP Planning: page 5 – 79
Release Time Fence Days	See: MPS / MRP Planning: page 5 – 79
Repetitive Planning	See: MPS / MRP Planning: page 5 – 79

Reservable	See: Inventory: page 5 – 43
Restrict Locators	See: Inventory: page 5 – 43
Restrict Subinventories	See: Inventory: page 5 – 43
Returnable	See: Order Management: page 5 – 96
Revision Control	See: Inventory: page 5 – 43
RFQ Required	See: Purchasing: page 5 – 58
RMA Inspection Required	See: Order Management: page 5 – 96
Round Order Quantities	See: MPS / MRP Planning: page 5 – 79
Rounding Factor	See: Purchasing: page 5 – 58
Safety Stock Bucket Days	See: General Planning: page 5 – 72
Safety Stock Method	See: General Planning: page 5 – 72
Safety Stock Percent	See: General Planning: page 5 – 72
Sales Account	See: Invoicing: page 5 – 102
Scheduling Penalty Inventory Carry	See: Work In Process: page 5 – 93
Scheduling Penalty Operation Slack	See: Work In Process: page 5 – 93
Secondary	See: Main: page 5 – 39
Serial Generation	See: Inventory: page 5 – 43
Serial Status Enabled	See: Inventory: page 5 – 43
Service Billing Enabled	See: Service: page 5 – 104
Service Duration	See: Service: page 5 – 104
Service Importance Level	See: Service: page 5 – 104

Service Request Enabled	See: Service: page 5 – 104
Service Starting Delay	See: Service: page 5 – 104
Serviceable Product	See: Service: page 5 – 104
Shelf Life Days	See: Inventory: page 5 – 43
Ship Model Complete	See: Order Management: page 5 – 96
Shippable	See: Order Management: page 5 – 96
Shrinkage Rate	See: MPS / MRP Planning: page 5 – 79
Shutdown Type	See: Asset Management page 5 – 54
Source Organization	See: General Planning: page 5 – 72
Source Subinventory	See: General Planning: page 5 – 72
Source Type (Replenishment)	See: General Planning: page 5 – 72
Standard Lot Size	See: Costing: page 5 – 56
Starting Delay (Days)	See: Service: page 5 – 104
Starting Lot Number	See: Inventory: page 5 – 43
Starting Lot Prefix	See: Inventory: page 5 – 43
Starting Serial Number	See: Inventory: page 5 – 43
Starting Serial Prefix	See: Inventory: page 5 – 43
Stockable	See: Inventory: page 5 – 43
Subscription Dependency Enabled	See: Service: page 5 – 104
Substitution Window Type	See: MPS / MRP Planning: page 5 – 79

Substitution Window Days	See: MPS / MRP Planning: page 5 – 79
Supply Locator	See: Work in Process: page 5 – 93
Supply Subinventory	See: Work in Process: page 5 – 93
Supply Type	See: Work in Process: page 5 – 93
Support Service	See: Service: page 5 – 104
Tax Code	See: Invoicing: page 5 – 102
Taxable	See: Purchasing: page 5 – 58
Transactable	See: Inventory: page 5 – 43
UN Number	See: Purchasing: page 5 – 58 See: Order Management: page 5 – 96
Under Return Tolerance	See: Order Management: page 5 – 96
Under Shipment Tolerance	See: Order Management: page 5 – 96
Unit of Issue	See: Purchasing: page 5 – 58
Unit Volume	See: Physical Attributes: page 5 – 69
Unit Weight	See: Physical Attributes: page 5 – 69
Use Approved Supplier	See: Purchasing: page 5 – 58
User Item Type	See: Main: page 5 – 39
Variable Lead Time	See: Lead Times: page 5 – 91
Vehicle	See: Physical Attributes: page 5 – 69
Volume Unit of Measure	See: Physical Attributes: page 5 – 69
Warranty	See: Service: page 5 – 104
Web Status	See: Web Option: page 5 – 107
Weight Unit of Measure	See:Physical Attributes: page 5 – 69
WIP Supply Locator	See: Work in Process: page 5 – 93

WIP Supply Subinventory	See: Work in Process: page 5 – 93
WIP Supply Type	See: Work in Process: page 5 – 93

Main Attribute Group

Following are the Main attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Primary Unit of Measure

This is the stocking and selling unit of measure. Any necessary conversions are based on this unit of measure. This attribute is *not* updatable. See: Defining Units of Measure: page 3 – 5.

The default primary unit of measure for new items is defined using the INV:Default Primary Unit of Measure profile option. See: Oracle Inventory Profile Options: page 1 – 26.

The primary unit of measure is the default for invoices and credit memos entered in Oracle Receivables.

Dual Control

You can stock items in two units of measure. These dual–controlled items support Oracle Process Manufacturing environments.

Non–Dual	Inventory is stored in one unit of measure.
Fixed	Inventory is stored in Primary and Secondary units of measure. You can enter an item quantity in one unit of measure, and the system will convert the quantity to the second unit of measure. Both quantities display.

Default	Inventory is stored in Primary and Secondary units of measure. You can enter an item quantity in one unit of measure, and the system will convert the quantity to the second unit of measure. Both quantities display. You are enabled to change the quantity in the Secondary unit of measure, without changing the quantity in the Primary unit of measure.
No Default	Inventory is stored in Primary and Secondary units of measure. This option is used when the default conversion between the two units of measure is usually not the same. The system does not automatically display in the Secondary unit of measure when you specify the quantity for the Primary unit of measure. You can manually enter the quantity of the Secondary unit of measure before the transaction can be processed. The secondary quantity can fluctuate from the default conversion by the factors specified in the Deviation + and Deviation– attributes.

Secondary

If the item is Dual Controlled, you can specify the Secondary unit of measure.

Deviation Factor +

You can enter acceptable deviations as decimal values. This produces a plus or minus tolerance of acceptability. For example, if the allowable transaction quantity deviation for the item is 10 percent higher than the established conversion, you would enter 0.10 in this field.

Deviation Factor –

You can enter acceptable deviations as decimal values. This produces a plus or minus tolerance of acceptability. For example, if the allowable transaction quantity deviation for the item is 10 percent lower than the established conversion, you would enter 0.10 in this field.

User Item Type

Oracle provides several types by default at installation. These types correspond to the item templates also provided. Select one of these

values, or one you defined with the Item Type window. See: Defining Item Types: page 4 – 27.

- ATO model
- Finished good
- Freight
- Inventory Type
- Kit
- Model
- Option Class
- Outside processing item
- PTO model
- Phantom item
- Planning
- Product Family
- Purchased item
- Reference item
- Subassembly
- Supply item

Item Status

Item status codes set or default the values for attributes under status control. User–defined status codes control certain item attributes designated as *status attributes*. The status attributes are:

- BOM Allowed
- Build in WIP
- Customer Orders Enabled
- Internal Orders Enabled
- Invoice Enabled
- Transactable
- Purchasable
- Stockable

These attributes control the functionality of an item over time. See: Status Attributes and Item Status Control: page 4 – 9, Defining Item Status Codes: page 4 – 21, and Defining Item Attribute Controls: page 4 – 17.

The default item status for new items is defined using the INV:Default Item Status profile option. See: Oracle Inventory Profile Options: page 1 – 26.

Conversions

Both	Use both item–specific and standard unit of measure conversions. If you defined an item–specific and a standard conversion for the same unit of measure, the item–specific conversion is used.
Item specific	Use only unit of measure conversions unique to this item.
Standard	Use only standard unit of measure conversions. If you want to use only standard conversions do not create item specific conversions.

Long Description

Indicate the long description for this item. This Long Description is supported in multiple languages.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Defining Unit of Measure Conversions: page 3 – 7.

Inventory Attribute Group

Following are the Inventory attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Inventory Item

Indicate whether to stock and transact this item in Oracle Inventory. You must turn this option on if you want to enable the following item attributes: Stockable, BOM Allowed, Transactable, and Build in WIP.

This is an item defining attribute. If you turn this option on, the item is automatically assigned to the default category set for the Inventory functional area. See: Item Defining Attributes: page 4 – 8.

Stockable

Indicate whether to stock this item in Inventory. You can set this attribute only when you turn on the Inventory Item option. Turning this option on enables you to set the Transactable item attribute.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Transactable

Indicate whether to allow Inventory transactions. You can set this attribute only when you turn on the Stockable option. This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

> **Note:** Oracle Order Management uses this along with *Stockable* and *Returnable* to determine which authorized returned items can be physically received into inventory. (See also the OE Transactable attribute.)

Revision Control

Indicate whether to track inventory balances by revision. If you turn this option on you must specify an existing revision number for issues and receipts.

> **Attention:** You cannot change revision control when an item has quantity on hand. If *Revision Control* is controlled at the Master Item level, the check for on–hand quantity is against the sum of on–hand quantities in all child organizations.

Note: For Oracle Order Management, if item attribute *Reservable* is checked, you can manually reserve a specific revision at order entry or let Pick Release use Inventory picking rules to suggest the revision when the order is picked. If *Reservable* item attribute is not checked, Inventory picking rules will suggest the revision when the order is picked.

Reservable

Indicate whether you can create material reservations. You can reserve an item only when you have sufficient inventory.

Note: Oracle Inventory has enhanced support for picking non–reservable items. This feature can be employed when on–hand quantities are not closely tracked and when inventory is often driven negative during shipment confirmation. When a line for a non–reservable item is pick released, the system will not attempt to generate allocations for the material; pick confirm will not be required. Instead, the line status is immediately changed to Released and the delivery line becomes eligible for shipment confirmation. The subinventory and locator on the delivery line, which will become the subinventory and locator from which the ship confirmation transaction issues the inventory, is taken from the Shipping Item Transaction Default for that item. If insufficient quantity is available in that location, and if negative quantities are enabled in that organization, the shipment confirmation will drive inventory negative. Reservation control for a subinventory overrides reservation control for an item. In other words, if an item is reservable but a subinventory is not, the item quantity in that subinventory is *not* reservable.

Note: If the Reservable attribute is checked, Oracle Order Management allows reservation of the item during order entry. If material hasn't been reserved prior to pick release, pick release creates reservations for material when the pick wave move order is allocated.

Attention: You cannot turn reservation control off if reservations exist.

Check Material Shortages

Indicate whether the system will check this item for material shortages. Turn this option on to trigger a material shortage alert and shortage notification during transactions of this item. See: Material Shortage Alerts and Shortage Notifications: page 7 – 26.

Oracle Inventory and Oracle Shipping execution will automatically backorder a delivery line at pick release if inventory is unavailable for allocation. In the event that no material is available for allocation, the pick wave move order line will be immediately deleted and the delivery line status will change to Backordered. In the event that only part of the required quantity is available, the delivery line will split into the released portion and the backordered portion. The requested quantity on the move order line will update to reflect the quantity that was available for picking, and the move order line will close when the available quantity has been picked. The delivery line can be re–released through the Shipping Transactions form, the Release Sales Orders for, or the Release Sales Orders SRS process.

Lot Control

No control	Do not establish lot control for the item.
Full control	Track inventory balances by lot number. You must specify a lot number for issues and receipts.

You can establish lot number control only for an item that has no quantity on hand. If *Lot Control* is controlled at the Master Item level, the check for on–hand quantity is against the sum of on–hand quantities in all child organizations.

> **Note:** For Oracle Order Management, if an item is *Reservable*, you can manually reserve a specific lot at order entry or let pick release use Inventory picking rules to suggest the lot when the order is picked. If the item is not *Reservable*, Inventory picking rules will suggest the lot when the order is picked.

Attention: Oracle Work in Process recognizes either lot control or serial number control for an item—but not both. You cannot transact an item into Work in Process if it has both lot and serial control defined.

Starting Lot Prefix

Enter a starting prefix for all lot numbers you define for this item. When *Lot Number Generation* is *At item level* in the organization parameters, this prefix is used when you define a lot number.

Starting Lot Number

Enter a starting numeric suffix for this item only. When *Lot Number Generation* is *At item level* in the organization parameters, this starting numeric suffix is used when you create a lot number. Thereafter, this number is incremented for each succeeding lot. See: Defining Organization Parameters: page 2 – 13.

Lot Expiration (Shelf Life) Control

Lot Expiration control governs how long items in a given lot remain available.

Shelf life days	Specify a number of days for all lots of an item, beginning on the day you create the lot by receiving the item. You receive a warning message that the lot expires after the specified number of days.
No control	Shelf life control not established for this item
User–defined	Specify an expiration date as you receive each lot. You receive a warning but are not prevented from using the lot after expiration.

Attention: You cannot change lot expiration control when an item has quantity on hand. If *Lot Expiration* is controlled at the Item level, the check for on–hand quantity is against the sum of on–hand quantities in all child organizations.

Shelf Life Days

Enter the number of days each lot is active. At receipt, the expiration date is determined by adding the shelf life days to the system date (includes the day you define the lot). This is used only when you choose *Shelf life days* for *Lot Expiration Control*.

Cycle Count Enabled

Turn this option on for automatic cycle count scheduling. See: Overview of Cycle Counting.

Negative Measurement Error

Enter the percentage of negative variance acceptable before cycle count creates an adjustment transaction. Your physical cycle count can be less

than the quantity on hand by an amount less than or equal to this percentage.

For example, suppose quantity on hand is 100 and negative tolerance is 10%. Inventory does *not* create an adjustment for physical counts between 90 and 100 units. This means the quantity on hand *remains* 100 units. For physical counts *under* 90 units, Inventory creates an adjustment, changing the quantity on hand to the physical count.

Positive Measurement Error

Enter the percentage of positive variance acceptable before cycle count creates an adjustment transaction. Your physical count can be greater than the quantity on hand by an amount less than or equal to this percentage.

For example, suppose quantity on hand is 100 and positive tolerance is 10%. Inventory does *not* create an adjustment transaction for physical counts between 100 and 110 units. This means the quantity on hand *remains* 100 units. For physical counts *over* 110 units, Inventory creates an adjustment, changing the quantity on hand to the physical count.

Serial Generation

At inventory receipt	Create and assign serial numbers when you receive the item. Thereafter, for any material transaction, you must provide a serial number for each unit.
At sales order issue	Create and assign serial numbers when you issue (ship) the item against a sales order. If you select this option, serial numbers are required at ship confirm. If you receive an item on an RMA (return material authorization), you must specify the same serial numbers you created at sales order issue. All other material transactions for this item bypass serial number information.
No control	Serial number control not established for this item. All material transactions involving this item bypass serial number information.
Predefined	Assign predefined serial numbers when you receive the item. Thereafter, for any material transaction, you must provide a serial number for each unit.

The following table presents conditions where you can change back and forth between certain options:

Change back and forth between	Change back and forth between	When
Dynamic entry at inventory receipt	Predefined serial numbers	Any time
Dynamic entry at sales order issue	No serial number control	Any time
Dynamic entry at inventory receipt	No serial number control	Item has no on–hand quantity
Dynamic entry at sales order issue	Predefined serial numbers	Item has no on–hand quantity
Predefined serial numbers	No serial number control	Item has no on–hand quantity
Dynamic entry at inventory receipt	Dynamic entry at sales order issue	Item has no on–hand quantity

If *Serial Generation* is controlled at the Item level, the check for on–hand quantity is against the sum of on–hand quantities in all child organizations.

Starting Serial Prefix

Enter a starting alpha prefix for all serial numbers you define. You must enter a value when you choose *Predefined* and when *Serial Generation* is *At item level* in the organization parameters. This prefix is used when you define your serialized units.

Starting Serial Number

Enter a starting numeric suffix for all serial numbers for this item only. You must enter a value when you choose *Predefined* and when *Serial Number Generation* is *At item level* in the organization parameters. This starting numeric suffix is used when you define your serialized units. Thereafter, this number is incremented for each succeeding serial number. See: Defining Organization Parameters: page 2 – 13.

Locator Control

Dynamic entry	Define locators when you use them, either as you receive or ship items.
No control	Locator control not established.
Prespecified	Define locators before you use them.

Note: For Oracle Order Management, if an item is *Reservable*, you can manually reserve a specific locator at order entry or let pick release use Inventory picking rules to suggest the locator when the order is picked. If the item is not *Reservable*, Inventory picking rules will suggest the locator when the order is picked.

Note: Locator control for an organization or for a subinventory overrides locator control for an item.

Attention: You cannot change locator control when an item has quantity on hand.

Restrict Subinventories

Indicate whether to restrict transactions of this item to or from a subinventory specified in a list you define with the Item / Subinventory Information window. See: Assigning Subinventories to an Item: page 5 – 127. This option must be turned on if you choose to restrict locators.

Restrict Locators

Indicate whether to restrict transaction of this item to or from a locator specified in the list you define with the Item / Subinventory Information window. You cannot restrict locators unless you also restrict subinventories.

Lot Status Enabled

Indicate whether an item is subject to status control at the Lot Level. For example, a lot may be In Test. A company may have a policy of allowing Lots In Test to be used in planning and reserved, but not shipped. A lot may also be In Quarantine. For example, a company may have a policy of not allowing lots In Quarantine to be used in planning.

If an item is lot–controlled, you can indicate the Default Lot Status. For example, a lot of microprocessors may be at the Quarantine status until a soak test is complete.

Serial Status Enabled

Indicate whether an item is subject to status control at the Serial Level. For example, a company may have a policy of allowing all functions on serial numbers that are New, and a policy of allowing reservations to Reworked serial numbers, not including Reworked items.

If an item is serial–controlled, you can indicate the Default Serial Status. For example, a serial number of analytical equipment may be at the Quarantine status until a soak test is complete.

Lot Split Enabled

Indicate whether a lot–controlled item may split into many lots during the production of a batch.

Lot Merge Enabled

Indicate whether many lots of a lot–controlled item may merge during the production of a batch.

Lot Translate Enabled

Enables you to translate lots within a lot controlled item.

Bulk Picked

Enables you to pick items in bulk.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Bills of Material Attribute Group

Following are the Bills of Material attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

BOM Allowed

ORACLE BILLS OF MATERIAL AND ORACLE ORDER MANAGEMENT ONLY

Allows you to define a bill of material for an item, or to assign the item as a component on a bill.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

BOM Item Type

ORACLE BILLS OF MATERIAL AND ORACLE ORDER MANAGEMENT ONLY

This attribute is controlled at the Master level only.

Select a type to control bill functionality. You must enter a value here if *BOM Allowed* is turned on.

Model	The item's bill of material lists option classes and options available when you place an order for the model item.
Option Class	This item's bill of material contains a list of related options. Option classes group like options together. Oracle Order Management does not allow ordering of classes outside a model.
Planning	This item's bill of material contains a list of items and planning percentages. A planning item can represent a product family or demand channel. Its bill of material facilitates master scheduling and / or material planning. The total component planning percentages on a planning bill can exceed 100%. Oracle Order Management does not allow ordering of Planning bills.

Product Family	This item can be used as a product family for planning at an aggregate level. See: Product Families, *Oracle Bills of Material User's Guide*..
Standard	Any item that can have a bill or be a component on a bill, except planning, model, or option class items. Standard items include purchased items, subassemblies, or finished products.

Base Model

ORACLE BILLS OF MATERIAL ONLY

This attribute is controlled at the Master level only.

Displays the model from which an ATO configuration was created. In Oracle Order Management, you can place an order for an ATO model, choosing from the list of options. Oracle Bills of Material creates a new configuration item, bill, and routing that captures the chosen options. The configuration item lists the ordered model item as its base model.

Engineering Item

Indicates that the item was created using Oracle Engineering. This attribute is not updatable.

Effectivity Control

This attribute is used by Oracle Bills of Material when calculating lead times from the Routings form. See: Calculating Lead Times, *Oracle Bills of Material User's Guide*., and Creating a Routing, *Oracle Bills of Material User's Guide*.

Date	A concurrent program uses the date as the parameter.
Model/Unit Number	A concurrent program uses the Unit Number as the parameter.

See Also

Overview of Bills of Material, *Oracle Bills of Material User's Guide*

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Asset Management Attribute Group

Following are the Asset Management attributes and their possible values. If the current organization is eAM enabled, you can access the Asset Management tab. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Asset Item Type

This attribute identifies the asset item as an Asset Group, Asset Activity, or Rebuildable item. When you create any one of these asset item types using a template, this field automatically populates with the approrpriate valley. See: Defining Asset Groups, *Oracle Enterprise Asset Management User's Guide*, Defining AssetActivities *Oracle Enterprise Asset Management User's Guide*, and Defining Rebuildable Items, *Oracle Enterprise Asset Management User's Guide*.

Activity Type

This is relevant only when the Asset Item Type is set to Asset Activity. This indcites the type of maintenance for this assest activity. You use it to define a generic maintenance work order. For example, Inspection, Overhaul, Lubrication, Reparis, Servicing, or Cleaning.

Activity Cause

This is relevant only when the Asset Item Type is set to Asset Activity. Specifies what situation caused this workd to be generated. for example, Breakdwoon, Vandalism, Normal Wear, or Settings.

Shutdown Type

This is relevant only when the Asset Item Type is set to Asset Activity. Indicates if this maintenance activity requires a shutdown. For Example, Required and Not Required.

Activity Notification Required

This is relevant only when the Asset Item Type is set to Asset Activity. Indicates if the asset is moveable, and needs to be brought into the shop for reparis. This field is for information only.

See Also

Defining AssetActivities *Oracle Enterprise Asset Management User's Guide.*

Costing Attribute Group

Following are the Costing attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Costing Enabled

Indicate whether to report, value, and account for any item costs. For example, you might disable costing for reference items, or for invoice only (non–stock) items that you never ship and never hold in inventory.

Attention: Organizations using average costing always maintain their own item costs, regardless of the control level set for the *Costing Enabled* attribute. See: Overview of Cost Management, *Oracle Cost Management User's Guide*.

This is an item defining attribute. If you turn this option on, the item is automatically assigned to the default category set for the Oracle Cost Management functional area. See: Item Defining Attributes: page 4 – 8.

Inventory Asset Value

Indicate whether to value an item as an asset in inventory. Turning this option off indicates an expense item.

Include in Rollup

ORACLE BILLS OF MATERIAL AND ORACLE COST MANAGEMENT ONLY

Indicate whether to include an item in the cost rollup.

Cost of Goods Sold Account

This attribute is controlled at the Organization level only.

Enter a general ledger account to use as a source for the Cost of Goods Sold Account. The default cost of goods sold account is set when you define organization parameters. See: Defining Organization Parameters: page 2 – 8.

Standard Lot Size

ORACLE BILLS OF MATERIAL AND ORACLE COST MANAGEMENT ONLY

Enter the standard lot size Oracle Bills of Material uses to calculate assembly lead times. Oracle Cost Management uses this value to calculate unit costs for sub–elements with a Lot basis type. This lot size is separate from the lead time lot size. See: Calculating Manufacturing Lead Times, and Routings, *Oracle Bills of Material User's Guide.*

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Purchasing Attribute Group

Following are the Purchasing attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Purchased

ORACLE PURCHASING ONLY

Indicate whether to purchase and receive an item. Turning this option on allows you to set the *Purchasable* attribute.

This is an item defining attribute. If you turn this option on, the item is automatically assigned to the default category set for the Oracle Purchasing functional area. See: Item Defining Attributes: page 4 – 8.

If an item is vendor managed, you must turn on this option.

Purchasable

ORACLE PURCHASING ONLY

Indicate whether to order an item on a purchase order. You can set this only when *Purchased* is turned on.

Turning *Purchasable* off allows you to temporarily restrict the ability to buy.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Use Approved Supplier

ORACLE PURCHASING ONLY

Indicate whether to use only approved suppliers. If you turn this option on, Oracle Purchasing prevents you from approving a purchase order for an item if you do not use an approved supplier.

Allow Description Update

ORACLE PURCHASING ONLY

Indicate whether to allow updates to the item description on a purchasing document line for an item. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

RFQ Required

ORACLE PURCHASING ONLY

Indicate whether to require an item quotation when requesting an item. Oracle Purchasing defaults this value on requisition lines for this item. Leave this field blank if you want Inventory to use the value defined in the Purchasing Options window for transactions involving this item. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

Outside Processing Item

ORACLE PURCHASING ONLY

Indicate whether you can add the item to an outside processing purchase order line. You can turn this option on only if *Purchased* is also on.

In addition, this option controls whether you can attach an item to a resource in the Resource window. See: Defining a Resource, *Oracle Bills of Material User's Guide* and Outside Processing, *Oracle Work in Process User's Guide*.

Outside Processing Unit Type

ORACLE PURCHASING ONLY

Select an option to determine the quantity of an outside processing item you requisition, purchase and receive:

Assembly	You purchase an outside processing item based on the number of assemblies you ship to the supplier.
Resource	You purchase an outside processing item based on the number of assemblies times the resource usage rate or amount.

Taxable

ORACLE PURCHASING ONLY

Indicate whether the supplier charges a tax. Oracle Purchasing uses the taxable status together with the tax code you associate with a location to determine whether a purchase order shipment is taxable, and what the tax code that applies to this shipment is. Leave this field blank if you want Inventory to use the value defined in the Purchasing Options

window for transactions involving this item. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

Tax Code

ORACLE PURCHASING ONLY

Select the appropriate tax code for the item. The tax code shows the tax authorities and rates that are available to use for this item. You must select the taxable attribute to enable this field.

Receipt Required (Three–Way Invoice Matching)

ORACLE PURCHASING ONLY

Indicate whether you must receive an item before you can pay the invoice. Leave this field blank if you want Inventory to use the value defined in the Purchasing Options window for transactions involving this item. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

Inspection Required (Four–Way Invoice Matching)

ORACLE PURCHASING ONLY

Indicate whether to inspect an item upon receipt from the supplier, before paying the corresponding invoice. Leave this field blank if you want Inventory to use the value defined in the Purchasing Options window for transactions involving this item. See: Defining Purchasing Options, *Oracle Purchasing User's Guide*.

Default Buyer

ORACLE PURCHASING ONLY

Enter the buyer assigned to purchase an item. Oracle Purchasing displays the buyer you enter here as the suggested buyer for a requisition. See: Defining Buyers, *Oracle Purchasing User's Guide*.

Unit of Issue

ORACLE PURCHASING ONLY

Enter the unit of measure you typically use to issue the item from inventory. Oracle Purchasing uses this as the default for internal requisition lines sourced from inventory.

You use units of issue to round order quantities, minimizing shipping, warehousing, and handling costs. The unit of issue must be the same for all units of measure belonging to the same unit of measure class as the primary unit of measure. See: Defining Unit of Measure Classes: page 3 – 3.

Receipt Close Tolerance

ORACLE PURCHASING ONLY

Enter the percentage tolerance Oracle Purchasing uses to automatically close purchase order shipments. Oracle Purchasing automatically closes a shipment when your unreceived quantity is within the quantity tolerance percentage of the shipment.

For example, if the original shipment quantity is 50, and you enter 10 here (10%), Oracle Purchasing automatically closes the shipment for receiving when you receive 45 or more.

Closed for Receiving is a status change only. You can receive additional items against the shipment later.

Invoice Close Tolerance

ORACLE PURCHASING ONLY

Enter the percentage tolerance Oracle Purchasing uses to automatically close purchase order shipments. Oracle Purchasing automatically closes a shipment when your uninvoiced quantity is within the quantity tolerance percentage of the shipment.

For example, if the original shipment quantity is 50, and you enter 10 here (10%), Oracle Purchasing automatically closes the shipment for invoicing when you invoice match 45 or more.

Closed for Invoicing is a status change only. You can invoice match additional items against the shipment later.

UN Number

ORACLE PURCHASING ONLY

Enter the United Nations identification number. Oracle Purchasing uses UN numbers to identify specific materials (hazardous materials, for example) for international trade purposes. See: Defining UN Numbers, *Oracle Purchasing User's Guide*.

Hazard Class

ORACLE PURCHASING ONLY

Oracle Purchasing uses hazard classes to identify categories of hazardous materials for international trade purposes. See: Defining Hazard Classes, *Oracle Purchasing User's Guide*.

List Price

ORACLE PURCHASING ONLY

Enter the value that Oracle Purchasing uses as the default price on a purchase order, requisition, RFQ, or quotation.

Oracle Receivables uses this value as the default unit selling price on a transaction. Note that this is the original inventory item price used by Purchasing and therefore should be used as a guide only.

When performing supplier inventory replenishment, a List Price must be specified in order to automatically generate a requisition.

Market Price

ORACLE PURCHASING ONLY

Enter the market value for an item. Oracle Purchasing copies the market price to the purchase order lines you create.

Price Tolerance

ORACLE PURCHASING ONLY

Enter the price tolerance percent, the maximum price percentage over the normal price range for an item. For example, if the tolerance percent is 5, the maximum acceptable price on a purchase order is 5% over the requisition price. Any purchase order price 5% above the requisition price is unacceptable, and you cannot approve the purchase order.

Rounding Factor

ORACLE PURCHASING ONLY

Enter a number between 0 and 1. This factor determines how to round the quantity on an internal requisition that results from conversions between the requisition line unit of measure and the item's *Unit of Issue*. This factor insures that the unit of issue resolves to an integer, rather than a fractional amount.

For example, suppose the requisition line unit of measure is *each*, and the unit of issue is *dozen*. For an internal requisition of 20 each, Oracle Purchasing converts the order quantity to 1.75 dozen. With a rounding factor of 0.6, Oracle Purchasing rounds up the order quantity to 2 dozen. (Rounding factor of 0.75 also rounds up to 2 dozen.) With a rounding factor of 0.8, Oracle Purchasing rounds down to 1 dozen.

Oracle Purchasing either performs rounding automatically or advises you of the suggested quantity depending how you set your purchasing options. See: Internal Requisitions, *Oracle Purchasing User's Guide*.

Encumbrance Account

ORACLE PURCHASING ONLY

This attribute is controlled at the Organization level only.

Enter the default encumbrance account Oracle Purchasing uses when an item is received. If the item encumbrance account does not exist, Oracle Purchasing uses the subinventory account. You encumber, or reserve against funds, when the purchase requisition or purchase order is approved. When you deliver into a subinventory you reverse the encumbrance. The total receipts plus encumbrances equals your total funds spent.

Expense Account

This attribute is controlled at the Organization level only.

Enter the default inventory account for expense items. This attribute is used only when *Inventory Asset Value* is turned off. Oracle Purchasing debits this account when you receive an item into inventory only if the item is being expensed. If you receive into an expense subinventory, Oracle Purchasing uses the expense account you assigned to the subinventory first; if you do not define the account here, Oracle Purchasing uses the expense account assigned to the item.

Asset Category

ORACLE PURCHASING ONLY

Enter the asset category to which the item belongs. Oracle Assets uses this to classify your fixed assets. All assets in a category share default information, such as the accounts used when you post to the general ledger. You can enter this field only if you use Oracle Assets. See: Setting Up Asset Categories, *Oracle Assets User's Guide*.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Receiving Attribute Group

Following are the Receiving attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Receipt Date Action

ORACLE PURCHASING ONLY

None	No receipt date exception enforced.
Reject	Reject receipts when the receive date is outside the range defined by *Days Early Receipt Allowed* or *Days Late Receipt Allowed*.
Warning	Display a warning message if you attempt to receive an item outside the range defined by *Days Early Receipt Allowed* or *Days Late Receipt Allowed*, but perform the receipt, anyway.

Receipt Days Early

ORACLE PURCHASING ONLY

Enter the number of days before the promise date you can receive an item without warning or rejection. For example, if you enter 3 and the promise date is a Friday, you can receive the item on Tuesday.

Note that Oracle Purchasing uses regular calendar days (including weekends and holidays) in this calculation.

If the promise date does not exist, Oracle Purchasing uses the need by date.

Receipt Days Late

ORACLE PURCHASING ONLY

Enter the number of days after the promise date you can receive an item without warning or rejection. For example, if you enter 2 and the promise date is a Monday, you can receive the item on Wednesday.

Note that Oracle Purchasing uses regular calendar days (including weekends and holidays) in this calculation.

If the promise date does not exist, Oracle Purchasing uses the need by date.

Overreceipt Quantity Control Action

ORACLE PURCHASING ONLY

None	No over tolerance enforced.
Reject	Reject receipts over the tolerance quantity. You receive an error message and are prevented from receiving quantities exceeding the order quantity by more than the *Quantity Received Tolerance* percent.
Warning	A warning message displays if you accept receipts over the quantity determined by the *Overreceipt Quantity Control Tolerance* percent, but does perform the receipt.

Overreceipt Quantity Control Tolerance

ORACLE PURCHASING ONLY

Enter the quantity received tolerance percent, the maximum acceptable over–receipt percentage, used by the Overreceipt Quantity Control Action attribute. For example, if the tolerance percent is 5, then the acceptable quantity on a receipt transaction is within 5% of the quantity you order on a purchase order line. Any quantity more than 5% over the order quantity is unacceptable.

Allow Substitute Receipts

ORACLE PURCHASING ONLY

Indicate whether to allow receipt of defined substitutes in place of this item. You define valid substitutes with the Item Relationships window. See: Defining Item Relationships: page 5 – 121. Leave this field blank if you want Inventory to use the value defined in the Receiving Options window for transactions involving this item. See: Defining Receiving Options, *Oracle Purchasing User's Guide*.

Allow Unordered Receipts

ORACLE PURCHASING ONLY

Indicate whether you can receive an item without a purchase order. If this option is on, you can later match the receipt to the appropriate purchase order. If this option is off, all receipts for an item must have a corresponding purchase order. Leave this field blank if you want Inventory to use the value defined in the Receiving Options window for

transactions involving this item. See: Defining Receiving Options, *Oracle Purchasing User's Guide*.

Allow Express Transactions

ORACLE PURCHASING ONLY

Indicate whether you can deliver all distributions for this item with one data entry transaction if the quantity to deliver equals the purchase order line balance. If this option is turned off, you must deliver individual distributions separately. Leave this field blank if you want Inventory to use the value defined in the Receiving Options window for transactions involving this item. See: Defining Receiving Options, *Oracle Purchasing User's Guide*.

Receipt Routing

ORACLE PURCHASING ONLY

Direct	At receipt, deliver an item directly to its location.
Inspection	Receive an item first, inspect it, then deliver.
Standard	Receive an item first, then deliver without inspection.

Enforce Ship–To

ORACLE PURCHASING ONLY

Select an option to control whether the supplier can deliver to a location that differs from the ship–to location defined on the purchase order:

None	No ship–to location enforced.
Reject	Prevent receipt of items not received to their purchase order ship–to location.
Warning	Display a warning message if you attempt to receive an item to a location that differs from the purchase order ship–to location, but perform the receipt, anyway.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Physical Attribute Group

Following are the Physical item attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Weight Unit of Measure

Enter a weight unit of measure.

Unit Weight

Enter the weight for one unit of the item in the *Weight Unit of Measure*.

Volume Unit of Measure

Enter a volume unit of measure.

Unit Volume

Enter the volume for one unit of the item in the *Volume Unit of Measure*.

Container

Select *Container* to identify items that are containers used for shipping sales orders.

Vehicle

Select *Vehicle* to identify items that are vehicles used for shipping sales orders.

Container Type

For items identified as containers, enter the container type. See: Defining Container Types: page 4 – 19.

Internal Volume

Enter the internal volume of the container or vehicle in the same UOM as the Unit Volume. This attribute is used by shipping to calculate container capacity restrictions.

Maximum Load Weight

Enter the maximum load weight of the container or vehicle in the same UOM as the Unit Weight.

Minimum Fill Percentage

Enter the minimum fill percentage under which the container or vehicle should be used.

Dimension Unit of Measure

Dimension unit of measure for an item.

Dimension Length

ItemlLength.

Dimension Width

Item width.

Dimension Height

Item height.

Collateral Item

Indicate whether the item is collateral. When you register collateral as a promotion in Oracle Sales and Marketing, you can link it to the item you define here. Then you can use Oracle Sales and Marketing to include this collateral item in a fulfillment request for a contact or a mass mailing. Oracle Sales and Marketing displays a list of valid collateral when creating a fulfillment request or mass mailing, based on the items you define with this flag.

Event

Indicate whether the item created is an Event item. See: Understanding Events, *Oracle Marketing User's Guide*.

Equipment

Indicate whether this is an Equipment item, used in Oracle Warehouse Management. See: Set Up or Verify Equipment Items, *Oracle Warehouse Management User's Guide*.

Electronic Format

Indicate whether this item exists only in electronic format and not physical. This attribute is used in Oracle Marketing.

Downloadable

Indicate whether this item is downloadable. This attribute is used in Oracle Marketing.

OM Indivisible

Indicate whether this item can be ordered in fractions. This attribute support indivisible units of measure.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

General Planning Attribute Group

Following are the General Planning attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Inventory Planning Method

Select an option for organization level planning. See: Assigning Subinventories to an Item: page 5 – 127 or Assigning Items to a Subinventory: page 5 – 130.

Min–max	You define a minimum quantity that you want on hand. When you reach this quantity, you reorder. You also define a maximum on–hand quantity that you do not want to exceed.
Not planned	No planning method used. Select this option for MRP / MPS planned items.
Reorder point	The reorder point is calculated based on the planning information you define for this item.

Planner

This attribute is controlled at the Organization level only.

Enter the material planner assigned to plan this item. You must define planner codes for your organization before updating this attribute. See: Defining Planners, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

The planner defined here is responsible for approving all move order lines requesting the item if move order approvals are used. See: Overview of Move Orders: page 7 – 67.

If an item is vendor managed, you must enter a planner for the item.

Make or Buy

Select the option that applies to items with *Inventory Item* set to *Yes*. The Planner Workbench uses this to default an appropriate value for implementation type. You cannot change the value of the flag if open orders exist for the item.

Make	Usually manufactured. The Planner Workbench defaults the implementation type *Discrete job*. The planning process passes demand down from manufactured items to lower level components.
Buy	lly purchased. The Planner Workbench defaults the implementation type to *Purchase Requisition*. The planning process does *not* pass demand down from purchased items to lower level components.

Attention: You must also set *Purchasable* to *Yes* to create purchase requisitions and purchase orders. If you also set *Build in WIP* to *Yes*, you can use the Planner Workbench to implement planned orders as discrete jobs.

See: Overview of Material Requirements Planning and Creating Planning Exception Sets, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Min–Max Minimum Quantity

Enter the quantity minimum for min–max planning. If an item is min–max planned, the Min–Max Planning Report suggests a new order when quantity drops to the min–max minimum. See: Min–Max Planning: page 9 – 12.

Min–Max Maximum Quantity

Enter the quantity maximum for min–max planning. If an item is min–max planned, the Min–Max Planning Report suggests an order that brings on–hand up to the min–max maximum. See: Min–Max Planning: page 9 – 12.

Minimum Order Quantity

Enter the minimum order quantity or repetitive rate (units per day). Planning algorithms (reorder point, min–max, MPS, and MRP) use this to modify the size of planned order quantities or repetitive daily rates. For discrete items, when net requirements fall short of the minimum order quantity, planning algorithms suggest the minimum order quantity. For repetitive items, when average daily demand for a repetitive planning period falls short of the minimum order quantity, planning algorithms suggest the minimum order quantity as the repetitive daily rate. For example, use this to define an order quantity

below which it is unprofitable to build the item. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide* and Overview of Inventory Planning and Replenishment: page 9 – 2.

Maximum Order Quantity

Enter the maximum order quantity or repetitive rate (units per day) of the item. Planning algorithms (reorder point, min–max, MPS, and MRP) use this to modify the size of planned order quantities or repetitive daily rates. For discrete items, when net requirements exceed the maximum order quantity, planning algorithms suggest the maximum order quantity. For repetitive items, when average daily demand for a repetitive planning period exceeds of the maximum order quantity, planning algorithms suggest the maximum order quantity as the repetitive daily rate. For example, use this to define an order quantity above which you do have insufficient capacity to build the item. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*, Overview of Repetitive Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*, and Overview of Inventory Planning and Replenishment: page 9 – 2.

Order Cost

Enter the fixed cost associated with placing an order of any quantity.

Carrying Cost Percent

Enter the percentage used to calculate the annual carrying cost. This is the percentage of the unit cost that represents your internal cost to stock one unit for one year.

Source Type (Replenishment)

Inventory	Fill requests by creating internal requisitions that become internal sales orders, pulling stock from existing inventory.
Supplier	Fill requests by creating purchase requisitions that become purchase orders, procuring the item from a supplier.
Subinventory	Fill requests by creating move order requisitions that become move orders, pulling stock from an existing subinventory.

Attention: If you are using Supplier Scheduling, it is generally recommended that this field be left blank. Otherwise, it could override your sourcing rules.

Source Organization

This attribute is controlled at the Organization level only.

Optionally enter the organization from which an internal requisition draws the item. This applies only when *Inventory* is the replenishment source type.

You can choose organizations that meet the following criteria:

- the item is assigned to the source organization
- the source organization has a valid inter–organization relationship with the current organization

See: Defining Inter–Organization Shipping Networks: page 6 – 27.

The source organization can be your current organization if the item is MRP planned and you choose a non–nettable Source Subinventory.

Source Subinventory

This attribute is controlled at the Organization level only.

Enter the subinventory within the source organization from which an internal requisition draws the item. This applies only when *Inventory* or *Subinventory* is the replenishment source, and only when you specify a source organization. For MRP planned items, you must enter a non–nettable source subinventory when the source organization is the current organization.

Safety Stock Method

Select an option to plan use of fixed or dynamically calculated safety stock quantities. For MRP / MPS planned items, you must set the Inventory Planning Method attribute to *Not planned*, then choose the *MRP planned percent* option here.

MRP planned percent	Calculate safety stock as a user–defined percentage (*Safety Stock Percent*) of the average gross requirements for a user–defined number of days. For discrete items, the user–defined number of days is the *Safety Stock Bucket Days*. For repetitive items, the user–defined number of days is the repetitive planning period. Note that safety stock for an item varies as the average gross requirements vary during the planning process.
Non–MRP planned	Calculate safety stock using methods defined by the Enter Item Safety Stocks window. You can use mean absolute deviation or user–defined percentage of forecasted demand. For Oracle Master Scheduling / MRP and Oracle Supply Chain Planning and Supply Chain Planning, these safety stock quantities are fixed. The Snapshot portion of the planning process loads them, and they do not vary during the planning process itself.

See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*, Entering and Reloading Item Safety Stocks: page 9 – 25, and Overview of Inventory Planning and Replenishment: page 9 – 2.

Safety Stock Bucket Days

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter the number of days to dynamically calculate safety stock quantities. The planning process multiplies the *Safety Stock Percent* by the average gross requirements and divides by the number of days you enter here. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Safety Stock Percent

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAING PLANNING ONLY

Enter the percent to dynamically calculate safety stock quantities for the item. The planning process multiplies this percent by the average gross requirements and divides by the *Safety Stock Bucket Days*.

The planning process uses this attribute when you set Safety Stock to *MRP planned percent*. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Fixed Order Quantity

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAING PLANNING ONLY

Enter the quantity used to modify the size of planned order quantities or repetitive daily rates. When net requirements fall short of the fixed order quantity, the planning process suggests the fixed order quantity. When net requirements exceed the fixed order quantity, the planning process suggests multiple orders for the fixed order quantity.

For discrete items, use this attribute to define a fixed production or purchasing quantity. For repetitive items, use this attribute to define a fixed production rate. For example, if your suppliers can provide the item in full truckload quantities only, enter the full truckload quantity as the fixed order quantity. See: Overview of Material Requirements Planning and Overview of Repetitive Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Fixed Days Supply

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAING PLANNING ONLY

Enter the number of days used to modify the size and timing of planned order quantities. The planning process suggests planned order quantities that cover net requirements for the period defined by this value. The planning process suggests one planned order for each period. For example, use this to reduce the number of planned orders for a discrete component of a repetitive item. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Fixed Lot Multiplier

Enter the fixed lot multiple quantity or repetitive rate (units per day). Planning algorithms (reorder point, min–max, MPS, and MRP) use this to modify the size of planned order quantities or repetitive daily rates.

When net requirements fall short of the fixed lot size multiplier quantity, planning algorithms suggest a single order for the fixed lot size multiplier quantity. When net requirements exceed the fixed lot size multiplier quantity, planning algorithms suggest a single order that is a multiple of the fixed lot size multiplier.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

MPS/MRP Planning Attribute Group

Following are the MPS / MRP Planning item attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Planning Method

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Select the option that Oracle Master Scheduling / MRP and Oracle Supply Chain Planning uses to decide when to plan the item:

Not planned	The item does not require long–term planning of material requirements. Choose this option for high volume and / or low cost items that do not warrant the administrative overhead of MRP; typically dependent demand items. You cannot use this option unless the Pick Components attribute is checked. See: Order Management Attribute Group: page 5 – 96.
MRP planning	Choose this option for non–critical items that do not require manual planning control, typically dependent demand items.
MPS planning	You master schedule the item and require manual planning control. Choose this option for items with independent demand, items that are critical to your business, or items that control critical resources.
MRP/DRP Planned	Choose this option when you want both MRP and DRP planning for the item.
MPS/DRP Planned	Choose this option when you want both MPS and DRP planning for the item.
DRP Planned	Choose this option when you have multiple organizations for which you are exercising Distribution Requirements Planning for the item.

This is an item defining attribute. If you select *MPS* or *MRP planning*, the item is automatically assigned to the default category set for the Oracle Master Scheduling / MRP and Oracle Supply Chain Planning functional area. See: Item Defining Attributes: page 4 – 8.

See also: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Forecast Control

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Select an option to determine the types of demand you place for the item. This guides the key processes of two–level master scheduling: forecast explosion, forecast consumption, planning, production relief, and shipment relief. This is appropriate only for items that are models, option classes, options, or mandatory components of models and option classes.

Consume	You forecast demand directly, rather than by exploding forecast demand.
Consume and derive	You forecast demand directly, explode forecast demand, or use a combination of both methods.
None	You place sales order demand but do not forecast demand.

See: Overview of Two–Level Master Scheduling, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Exception Set

This attribute is controlled at the Organization level only.

Enter the name of the planning exception set that groups together the sensitivity controls and exception time periods for item–level planning exceptions for the item. The item–level planning exceptions include: overcommitted, shortage, excess, and repetitive variance. The planning process uses this attribute to decide when to raise planning exceptions for the item.

Since different items may require different sensitivity controls and exception time periods, you can define multiple planning exception sets and assign different sets to different items. In other cases, where many items require the same sensitivity controls and exception time periods, you can associate the same set to multiple items. See: Overview of Material Requirements Planning and Creating Planning Exception Sets, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Pegging

Enter the pegging option. See: Reviewing Item Planning Information, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Soft Pegging	This option allocates supply to demand based on the Reservation Level option set in the MRP Plan options. See: Reviewing or Adding Plan Options, *Oracle Master Scheduling/ MRP and Oracle Supply Chain Planning User's Guide.*
End Assembly Pegging	This option traces the end assembly the item is pegged to at the top of the bill of material. Even if you do not select end assembly pegging, you can still calculate and view end assemblies on–line.
End Assembly/ Soft Pegging	Choose this option for both soft pegging and end assembly pegging.
Hard Pegging	This option allocates supply to demand based on the Reservation Level option set in the MRP Plan options. This pegs supply to demand and demand to supply by project at all levels of a bill of material. This allows you to pre–allocate supply to demand and generate planned orders based on the plan level options. See: Reviewing or Adding Plan Options, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*
End Assembly/ Hard Pegging	Choose this option for both hard pegging and end assembly pegging.
None	This option disables project material allocation, end assembly pegging, and full pegging.

Attention: You must use the memory–based planner to calculate end assembly pegging.

Planned Inventory Point

Indicates if the item is an Inventory Point item. This means that material can be stored at the item level without losing materials or quality characteristics. Inventory Points generally point to major stocking phases in the manufacturing cycle.

Create Supply

ORACLE ADVANCE PLANNING AND SCHEDULING ONLY

Indicates if supply can be suggested for this item.

Round Order Quantities

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Indicate whether the planning process uses decimal or whole number values when calculating planned order quantities or repetitive rates. When this option is turned on, decimal values round up (never down) to the next whole number. The planning process carries any excess quantities and rates forward into subsequent periods as additional supply. See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide* and Enforce Integer Requirements, *Oracle Bill of Materials User's Guide*.

Shrinkage Rate

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter a factor that represents the average amount of material you expect to lose during manufacturing or in storage. The planning process inflates demand to compensate for this expected loss. For example, if on average 20% of all units fail final inspection, enter 0.2; the planning process inflates net requirements by a factor of 1.25 (1 / 1 – shrinkage rate). See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Acceptable Early Days

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter the number of days before which the planning process will not reschedule orders. The planning process only suggests rescheduling out if:

- ❑ the new calculated order date is *later* than the original order due date *plus* the acceptable early days
- ❑ the new calculated order is does not violate the order of current scheduled receipts

For example, if the original order due date is 10–JUN, and **Acceptable Early Days** is 3, the planning process not suggest rescheduling if the new due date is less than or equal to 13–JUN. When rescheduling does not occur (because of Acceptable Early Days), a second order, due before the first, will not be rescheduled past the first order.

This lets you reduce plan nervousness and eliminate minor reschedule recommendations, especially when it is cheaper to build and carry excess inventory for a short time than it is to reschedule an order.

This applies to discrete items only. For repetitive items, use *Overrun Percentage.* See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Repetitive Planning

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Indicate whether to plan material requirements in repetitive daily rates. The planning process suggests repetitive schedules you can implement using the Planner Workbench. Turn this option off to plan material requirements in discrete quantities. The planning process suggests planned orders you can implement as discrete jobs or as purchase requisitions. See: Overview of Planner Workbench, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Overrun Percentage

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter a percentage the planning process uses to suggest new daily rates. The planning process only suggests a new daily rate if the current rate exceeds the suggested rate by more than the acceptable overrun amount.

The acceptable overrun amount is calculated by multiplying this percentage by the suggested daily rate. For example, if the suggested daily rate is 100 / day, and *Overrun Percentage* is 10, the planning process only suggests a new rate if the current rate is greater than 110 / day (100 / day + 100 / day x 10%).

This lets you reduce plan nervousness and eliminate minor rate change recommendations, especially when it is cheaper to carry excess inventory for a short time than it is to administer the rate change.

This attribute applies to repetitive items only. For discrete items, use *Acceptable Early Days*.

See: Overview of Repetitive Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Acceptable Rate Decrease

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter the amount the planning process uses to decrease current daily rates inside the planning time fence. The planning process does *not* suggest a new daily rate *less* than the current daily rate minus the acceptable rate decrease amount.

The acceptable rate decrease amount is calculated by multiplying this value by the current daily rate. For example, if the current daily rate is 100 / day, and the *Acceptable Rate Decrease* is 10, the planning process does not suggest a new daily rate that is less than 90 / day (100 / day – 100 / day x 10%).

If you do not enter an *Acceptable Rate Decrease*, the planning process assumes no lower limit to the new daily rate it can suggest inside the planning time fence. If you enter zero, the planning process assumes it cannot suggest any rate less than the current daily rate inside the planning time fence.

This lets you minimize disruption to shop floor schedules by restricting short term rate change suggestions. This applies to repetitive items only. See: Overview of Repetitive Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

Acceptable Rate Increase

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Enter the amount the planning process uses to increase current daily rates inside the planning time fence. The planning process does *not* suggest a new daily rate *greater* than the current daily rate plus the acceptable rate increase amount.

The acceptable rate increase amount is calculated by multiplying this value by the current daily rate. For example, if the current daily rate is 100 / day, and the *Acceptable Rate Increase* is 10, the planning process does not suggest a new daily rate that is greater than 110 / day (100 / day + 100 / day x 10%).

If you do not enter an *Acceptable Rate Increase*, the planning process assumes no upper limit to the new daily rate it can suggest inside the

planning time fence. If you enter zero, the planning process assumes it cannot suggest any rate greater than the current daily rate inside the planning time fence.

This lets you minimize disruption to shop floor schedules by restricting short term rate change suggestions. This applies to repetitive items only. See: Overview of Repetitive Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Calculate ATP

Indicate whether to calculate and print available to promise (ATP) on the Planning Detail Report, using the following formula:

ATP = Planned production – committed demand

Planned production = planned orders, scheduled receipts (purchase orders, jobs, and repetitive schedules), suggested repetitive schedules, nettable quantity on hand.

Committed demand = sales orders, component demand (from planned orders, discrete jobs, suggested repetitive schedules, and lot expirations). *Committed demand* does *not* include forecasted demand.

Attention: ATP calculated by the planning process is *not* related to ATP information calculated and maintained by Oracle Inventory. As such, planning ATP does not consider ATP rules from the Available to Promise Rule window, and is not related to the ATP information displayed in the View Item Available to Promise Information window.

See: Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Reduce MPS

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Select an option to decide when to reduce master production schedule (MPS) quantities to zero.

If Oracle Work in Process and Oracle Purchasing are installed, you get automatic production relief when you create a discrete job, purchase requisition, or purchase order. In this case, you would typically set this attribute to *None*.

If you do not have automatic production relief, you may select one of the following options to reduce MPS quantities and avoid overstating your supply.

None	Do not reduce order quantities on the MPS.
Past due	Reduce order quantities on MPS entries to zero when the entry is past due.
Demand time fence	Reduce order quantities on MPS entries to zero when the due date moves inside the demand time fence.
Planning time fence	Reduce order quantities on MPS entries to zero when the due date moves inside the planning time fence.

See: Starting the Planning Manager, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Planning Time Fence

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Choose one of the following options to determine a point in time inside which certain restrictions on planning recommendations apply. For discrete items, the planning process cannot suggest new planned orders or rescheduling existing orders to an earlier date. For repetitive items, the planning process can only suggest new daily rates that fall inside the acceptable rate increase and decrease boundaries. For items having a *WIP Supply Type* of *Phantom*, Oracle Master Scheduling / MRP and Oracle Supply Chain Planning ignores the planning time fence.

A time fence increases manual control of the plan, minimizing short term disruption to shop floor and purchasing schedules.

Calculate the planning time fence as the plan date (or the next workday if the plan is generated on a non–workday) plus:

Cumulative mfg. lead time	The cumulative manufacturing lead time for the item.
Cumulative total lead time	The total manufacturing lead time for the item.

Total lead time	The total lead time for the item.
User–defined	The value you enter for *Planning Time Fence Days*.

See: Overview of Time Fence Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Planning Time Fence Days

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Oracle Master Scheduling / MRP and Oracle Supply Chain Planning calculates the planning time fence as the plan date (or the next workday if the plan is generated on a non workday) plus the value you enter here. Oracle Master Scheduling / MRP and Oracle Supply Chain Planning uses this value when *Planning Time Fence* is *User–defined*.

Demand Time Fence

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Select an option to determine a point in time inside which the planning process ignores forecast demand and considers only sales order demand when calculating gross requirements. This reduces the risk of carrying excess inventory. For items having a *WIP Supply Type* of *Phantom*, Oracle Master Scheduling / MRP and Oracle Supply Chain Planning ignores the demand time fence.

Attention: Oracle Master Scheduling / MRP and Oracle Supply Chain Planning also uses the demand time fence when loading master schedules. The demand time fence is calculated as the start date of the master schedule load plus one of the following options.

Calculate the demand time fence as the plan date (or the next workday if the plan is generated on a non workday) plus:

Cumulative mfg. lead time	The cumulative manufacturing lead time for the item.
Cumulative total lead time	The total manufacturing lead time for the item.

Total lead time	The total lead time for the item.
User–defined	The value you enter for *Demand Time Fence Days*.

See: Overview of Time Fence Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Demand Time Fence Days

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Oracle Master Scheduling / MRP and Oracle Supply Chain Planning calculates the demand time fence as the plan date (or the next workday if the plan is generated on a non workday) plus the value you enter here. Oracle Master Scheduling / MRP and Oracle Supply Chain Planning uses this attribute when *Demand Time Fence* is *User–defined*.

Release Time Fence

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Choose an option to determine a point in time inside which planned orders for discretely planned items are automatically released as WIP jobs or purchase requisitions. The planned orders must meet the following auto–release criteria:

- the new due date lies within the auto–release time fence
- the lead time is not compressed
- the orders are for standard items (will not release models, option classes, and planning items)
- the orders are not for Kanban items
- the orders are for DRP planned items in a DRP plan, MPS planned items in an MPS plan, or MRP planned items in an MRP plan (See: Auto–release Planned Orders, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning and Supply Chain Planning User's Guide*.)
- the release time fence option is defined as anything other than *Do not auto–release*, *Do not release (Kanban)*, or *Null*
- DRP, MPS, and MRP plans must be run with the Memory–based Planning Engine (See: Overview of the Memory–based Planning

Engine, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning and Supply Chain Planning User's Guide*.)

Auto–release of repetitive schedules is not applicable for repetitively planned items. No material availability check is performed before WIP jobs are released.

Calculate the release time fence as the plan date (or the next workday if the plan is generated on a non workday) plus:

Cumulative mfg. lead time	The cumulative manufacturing lead time for the item.
Cumulative total lead time	The total manufacturing lead time for the item.
Total lead time	The total lead time for the item.
User–defined	The value you enter for *Release Time Fence Days*.
Do not auto–release	The item cannot be auto–released.
Do not release (Kanban)	For Kanban items, prevent release of planned orders manually or automatically.

See: Overview of Time Fence Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Release Time Fence Days

ORACLE MASTER SCHEDULING/MRP AND SUPPLY CHAIN PLANNING ONLY

Oracle Master Scheduling / MRP and Oracle Supply Chain Planning calculates the release time fence as the plan date (or the next workday if the plan is generated on a non workday) plus the value you enter here. Oracle Master Scheduling / MRP and Oracle Supply Chain Planning uses this value when *Release Time Fence* is *User–defined*.

Substitution Window

Calculates until what time a substitute can be considered for an item.

Cumulative mfg. lead time	The cumulative manufacturing lead time for the item.
Cumulative total lead time	The total manufacturing lead time for the item.
Total lead time	The total lead time for the item.
User–defined	The value you enter for *Release Time Fence Days*.

See Also

End Item Substitution, *Oracle Advanced Planning and Scheduling Implementation and User's Guide*

Substitution Window Days

If the substitution window type is User–defined, you specify the number of days a substitute is considered for an item.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Lead Times Attribute Group

Following are the Lead Times attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Preprocessing

This attribute is controlled at the Organization level only.

Enter the days you must add to purchasing or manufacturing lead time to place an order.

Processing

This attribute is controlled at the Organization level only.

Enter the days required to procure or manufacture an item. For manufactured assemblies, processing days equals manufacturing lead time.

Postprocessing

This attribute is controlled at the Organization level only.

Enter the days required to receive a purchased item into inventory from the initial supplier receipt. You cannot enter a value if the Make or Buy attribute is set to *Make*. See: MPS / MRP Planning Attribute Group: page 5 – 79.

Fixed

This attribute is controlled at the Organization level only.

Enter the days required to make an assembly independent of order quantity, such as setup or teardown time.

Variable

This attribute is controlled at the Organization level only.

Enter the time to produce one additional unit of an assembly. Total lead time is variable lead time multiplied by order quantity, plus fixed lead time.

Cumulative Manufacturing

This attribute is controlled at the Organization level only.

Enter the manufacturing lead time of an assembly (in days) plus the largest adjusted cumulative manufacturing lead time of its components, where each is adjusted by subtracting the operation lead time offset. Purchased items have no cumulative manufacturing lead time.

This attribute can be calculated and updated by rolling up cumulative lead times with Oracle Bills of Material. See: Rolling up Cumulative Lead Times, *Oracle Bills of Material User's Guide*.

Cumulative Total

This attribute is controlled at the Organization level only.

Enter the total lead time of the assembly plus the largest adjusted cumulative total lead time of its components, where each is adjusted by subtracting the operation lead time offset.

This attribute can be calculated and updated by rolling up cumulative lead times with Oracle Bills of Material. See: Rolling up Cumulative Lead Times, *Oracle Bills of Material User's Guide*.

Lead Time Lot Size

Enter the quantity used to compute processing lead time (as well as fixed and variable lead times). The default value is the item's standard lot size or, if a standard lot size is not defined, the default is 1. See: Costing Attribute Group: page 5 – 56.

See Also

Overview of Lead Time Management, *Oracle Bills of Material User's Guide*

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Work In Process Attribute Group

Following are the Work In Process attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Build in WIP

ORACLE WORK IN PROCESS ONLY.

Indicate whether to create discrete jobs or repetitive assemblies in Oracle Work in Process. See: Defining Discrete Jobs Manually, and Defining Repetitive Schedules Manually, *Oracle Work in Process User's Guide*.

This attribute must be turned off if the Inventory Item attribute is turned off or if the BOM Type attribute is not set to *Standard*.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Supply Type

ORACLE WORK IN PROCESS ONLY

Select a supply type for components. See: Supply Types, *Oracle Work in Process User's Guide*, Overview of Material Control, *Oracle Work in Process User's Guide*, Overview of Material Requirements Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*, and Standard Costing, *Oracle Cost Management User's Guide*.

Supply Subinventory

ORACLE WORK IN PROCESS ONLY

This attribute is controlled at the Organization level only.

Enter the primary subinventory from which to issue (push) or backflush (pull) an item to work in process.

Supply Locator

ORACLE WORK IN PROCESS ONLY

This attribute is controlled at the Organization level only.

Enter the supply locator from which to issue (push) or backflush (pull) an item to work in process. You can also define a WIP supply locator for any bill that uses this item; the bill supply locator overrides the supply

locator you define here. You must enter a WIP supply subinventory before you can enter a locator.

Overcompletion Tolerance Type

ORACLE WORK IN PROCESS ONLY

Select *Percent* or *Amount*, or leave the field blank. If you do not select an Overcompletion Tolerance Type, the tolerance defaults to the tolerance that you set at the organization level. If you did not set a tolerance at the organization level, the default is *Null*, which signifies that no over–completions are allowed.

Overcompletion Tolerance Value

ORACLE WORK IN PROCESS ONLY

The value for this attribute is the number value for the Overcompletion Tolerance Type that you selected. It determines the acceptable percent or quantity of assemblies that you will allow to be over–completed. For example, if you choose Percent as the Overcompletion Tolerance Type, and enter 100 as the Overcompletion Tolerance Value, you allow over–completions up to 100 percent of the original job or schedule quantity. If you did not select an Overcompletion Tolerance Type, you will not be able to enter a value in this field.

Scheduling Penalty Inventory Carry

ORACLE WORK IN PROCESS ONLY

Specify, in units per day, an Inventory Carry penalty for jobs that are not completed before they are scheduled to be finished. For example, the Inventory Carry penalty for a job that is not completed for an item might be 10 per day. See: Creating and Scheduling a New Job, *Oracle Manufacturing Scheduling User's Guide*

Scheduling Penalty Operation Slack

ORACLE WORK IN PROCESS ONLY

Specify, in units per day, the operation slack penalty for items having lag time between operations. See: Creating and Scheduling a New Job, *Oracle Manufacturing Scheduling User's Guide*

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Overview of Creating, Scheduling, and Importing Jobs, *Oracle Manufacturing Scheduling User's Guide*

Order Management Attribute Group

Following are the Order Management attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Customer Ordered

ORACLE ORDER MANAGEMENT ONLY

Indicate whether to allow an item to be ordered by external customers. You can add any customer orderable items to price lists in Oracle Order Management. This attribute must be turned off if the BOM Item Type attribute is set to *Planning*. See: Bills of Material Attribute Group: page 5 – 51.

If you turn this attribute on, you can temporarily exclude an item from being ordered by turning *Customer Orders Enabled* off.

This is an item defining attribute. If you turn this attribute on, the item is automatically assigned to the default category set for the Oracle Order Management functional area. See: Item Defining Attributes: page 4 – 8.

Customer Orders Enabled

ORACLE ORDER MANAGEMENT ONLY

Indicate whether an item is currently customer orderable. If you turn this attribute on you can specify the item in the Enter Orders window in Oracle Order Management.

You can initially define an item with *Customer Ordered Item* turned on and *Customer Orders Enabled* turned off. This means prices can be defined for the item, but no orders can be placed for it.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Internal Ordered

ORACLE PURCHASING ONLY

Indicate whether to allow an item to be ordered on an internal requisition.

If you turn this attribute on, you can temporarily exclude an item from being ordered on an internal requisition by turning *Internal Orders*

Enabled off. See: Overview of Internal Requisitions, *Oracle Purchasing User's Guide*.

This is an item defining attribute. If you turn this attribute on, the item is automatically assigned to the default category set for the Oracle Purchasing functional area. See: Item Defining Attributes: page 4 – 8.

Internal Orders Enabled

ORACLE PURCHASING ONLY

Indicate whether you can currently order an item internally. If you turn this attribute on, you can specify the item on an internal requisition, if *Internal Ordered Item* is also on.

If you turn *Internal Ordered Item* on, you can temporarily exclude an item from being ordered on an internal requisition by turning this attribute off.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Shippable

ORACLE SHIPPING EXECUTION ONLY

Indicate whether to ship an item to a customer. Shippable items are released by Oracle Shipping Execution's Pick Release program, creating confirmable shipping lines, and are printed on the pick slip. A warning is issued if you change the value of this attribute when open sales order lines exist.

This attribute must be turned off if the BOM Item Type attribute is set to *Planning*. See: Bills of Material Attribute Group: page 5 – 51.

OE Transactable

ORACLE ORDER MANAGEMENT ONLY

Indicate whether demand can be placed for an item by Oracle Order Management, and whether shipment transactions are interfaced to Oracle Inventory. Most items with *Shippable* turned on also have *OE Transactable* turned on. For items you do not ship, you may still want *OE Transactable* turned on if you use the items in forecasting or planning. If you also want to reserve the item, turn *Reservable* on. A warning is issued if you change the value of this attribute when open sales order lines exist. You cannot turn this attribute off if demand exits.

Default Shipping Organization

ORACLE SHIPPING EXECUTION ONLY

Enter the Oracle Shipping Execution primary shipping organization. This organization defaults to the Enter Orders window if *Item* is the source attribute of the Warehouse object in the standard value rule set for the order. This organization defaults to the Enter Returns window if a receiving warehouse is not defined on the customer or order type.

Default SO Source Type

This item attribute determines if an item is to be drop–shipped. If the value is internal, the item will not be drop–shipped. If the value is external, the item will be drop–shipped. See Drop Shipments, *Oracle Order Management User's Guide*.

Picking Rule

Enter the picking rule that defines the order in which subinventories, locators, lots, and revisions are picked. See: Defining Picking Rules: page 4 – 25.

This rule will not be employed in WMS enabled organizations. See: Defining Default Inventory Parameters: page 2 – 4. Oracle Warehouse Management picking rules will be used. See: Overview of the Oracle WMS Rules Engine, *Oracle Warehouse Management User's Guide*.

Pick Components

Indicate whether an item has a bill of material with options, classes, or included items picked from finished goods inventory. Pick–to–order items must have this attribute turned on. Assemble–to–order items and items without a bill of material must have this attribute turned off.

Assemble to Order

Turn this attribute on if an item is generally built for sales order demand; a final assembly work order is created based on sales order details. You must turn on this attribute if you auto create requisitions.

An item cannot have *Pick Components* turned on and this attribute turned on at the same time. See: Configure to Order, *Oracle Bills of Material User's Guide*.

Check ATP

Select Check Material Only, Check Material and Resources, Check Resources Only, or None to indicate whether to check available to promise and / or capable to promise information when placing demand. See: Available to Promise, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*. and Capable to Promise, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

This attribute also determines whether you can view component ATP information for material requirements in Work in Process.

ATP Components

Indicate whether to include, in available to promise checking, additional components in the bill of material for ATO and PTO items. These components are included in ATP checking if *Check ATP* for the component is turned on.

ATP Rule

Enter a user–defined available to promise rule. ATP rules define supply and demand sources, time–fence parameters, and available–to–promise calculation methods. You can give ATP rules meaningful names, such as ATO ATP Rule.

If there is no ATP rule for the item, the organization's default ATP rule is used. See: Defining ATP Rules: page 8 – 31 and Defining Organization Parameters: page 2 – 17.

Ship Model Complete

ORACLE ORDER MANAGEMENT ONLY

Indicate whether any configuration derived from this model can ship only when all required quantities of all configuration components (options or included items) are available.

If you turn this attribute on, the *Pick Components* attribute and the profile option *OE: Reservations* must be *Yes*; the *BOM Item Type* attribute can be *Model* or *Standard*.

Returnable

ORACLE ORDER MANAGEMENT ONLY

Indicate whether to allow customers to return an item. If an item is returnable, you can enter it on the Returns window in Oracle Order

Management. Order Management uses this attribute along with *Stockable* and *Transactable* to determine which authorized returned items you can physically receive into inventory.

RMA Inspection Required

Indicate whether inspection is required for items returned by the customer. The item then must be separately transferred to inventory. Credits are never automatically generated by Oracle Order Management for customer return items awaiting inspection.

Financing Allowed

Indicate whether a customer can finance this item.

Over Shipment Tolerance

Enter the Over Shipment Tolerance percentage. This determines the amount of the shipment you can exceed at the time of ship confirmation.

Under Shipment Tolerance

Enter the Under Shipment Tolerance percentage. This determines the amount of the shipment you can ship below at the time of ship confirmation. When shipping confirms shipped quantities for the shipments belonging to an order, Shipping Execution will validate any further shipments pending for the order or return. If there are pending shipments, Shipping Execution will calculate the new tolerance value. If the new shipping tolerance level is less than the old tolerance level, Order Management notifies you of the shipped quantity and the new tolerance value. Order Management determines whether the total shipped quantity for the order or return is within the under shipment tolerance value, and closes the line as an under shipment.

Over Return Tolerance

Enter the Over Return Tolerance percentage. This determines the amount of the shipment you can exceed at the time of receiving or receipt creation.

Under Return Tolerance

Enter the Under Return Tolerance percentage. This determines the lower limit of the received quantity to be considered as full receipt.

See Also

Item Attribute Controls: page 4 – 6
Item Attributes Listed by Group Name: page 5 – 20
Relationships between Attributes: page 4 – 12

Invoicing Attribute Group

Following are the Invoicing attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Invoiceable Item

ORACLE RECEIVABLES ONLY

Indicate whether to include an item on an Oracle Receivables invoice. If you turn this option on, you can temporarily exclude from invoicing when *Invoice Enabled* is turned off. This option must be on if *Invoice Enabled* is on.

Invoice Enabled

ORACLE RECEIVABLES ONLY

Indicate whether to activate an item for invoicing in Oracle Receivables. If *Invoiceable Item* is turned on, you can temporarily exclude from invoicing by leaving *Invoice Enabled* turned off.

If you turn this option on, the item appears in the Invoice Entry item list of values in Oracle Receivables. If you turn this feature off, the item does not appear in the list of values and AutoInvoice rejects the item.

This attribute is optionally set by the Item Status code. See: Status Attributes and Item Status Control: page 4 – 9.

Accounting Rule

ORACLE RECEIVABLES ONLY

Enter an accounting rule to identify special revenue recognition rules for an item, such as recognizing revenue over time. See: Defining Invoicing and Accounting Rules, *Oracle Receivables Reference Manual, Release 10.*

This attribute is for reference information only.

Invoicing Rule

ORACLE RECEIVABLES ONLY

Enter an invoicing rule to determine the period in which you send an invoice when you recognize revenue over time (using accounting rules). See: Defining Invoicing and Accounting Rules, *Oracle Receivables Reference Manual, Release 10.*

This attribute is for reference information only.

Tax Code

ORACLE RECEIVABLES AND ORACLE ORDER ENTRY ONLY

Enter a tax code to use when calculating tax based on location and tax codes. You assign specific rates to a Tax Code in the Other Tax Rates window. See: Defining Other Tax Rates, *Oracle Receivables Reference Manual, Release 10.*

Sales Account

This attribute is controlled at the Organization level only.

Enter the general ledger account Oracle Receivables uses to record revenue when you bill the customer**.** If AutoAccounting is based on items, accounting entries are created at that time. See: Defining AutoAccounting, *Oracle Receivables Reference Manual, Release 10.*

Payment Terms

Enter a valid payment terms code. This attribute is for reference information only.

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Service Attribute Group

Following are the Service attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Contract Item Type

Indicate the contract item type. Valid values are Service, Subscription, Usage, Warranty, and null. The Support Service flag will set automatically if Subscription is selected.

Coverage Template

Enter the coverage schedule you want to associate with the current support service. A coverage schedule defines the days during the week and hours during each day that customers may contact your support organization to request the current service. You can choose any coverage schedule you have already defined. You can define additional coverage schedules using the Coverage Schedules window in Oracle Service.

Contract Duration / Duration Period

Enter a positive number to indicate how long the current service lasts. The number you enter here along with the duration period (in other words, Month, Year) provide defaults when you order the current service using Oracle Order Management. You can select any period you have defined as a unit of measure as long as that unit of measure is associated with your *Time* unit of measure class. You indicate which class is the time unit of measure class by setting the profile option *Service: Time Unit of Measure Class*.

Subscription Dependency Enabled

If you have Oracle Service for Communications installed, indicate whether a subscription is dependent on a prerequisite grouping of parts or services.

Service Importance Level

The importance level enables you to sort your service requests in the Universal Work Queue (UWQ) and helps to prioritize the work items for service resources. Enter a positive number to indicate the service importance. You must set the Service Contract Type to Service to enable

this attribute. See: Requesting the Next Priority Work Item, *Oracle Universal Work Queue Concepts and Procedures.*

Billing Type

Indicate whether the customer is charged for any of the following:

Material	Material usage expenses your support organization incurs while providing the current service.
Labor	Labor expenses your support organization incurs while providing the current service.
Expense	Incidental expenses your support organization incurs while providing the current service.

Service Request Enabled

Select the check box to specify if service requests can be created for the item.

Provisionable

Indicate whether you can provision this item.

Serviceable Product

Indicate whether the current item is serviceable. If you turn this option on, *Support Service* must be turned off because an item cannot be both serviceable and servicing. When you turn this option on, you can order service for the item using Oracle Order Management.

Service Billing Enabled

Select the check box to specify if this service item can be billed to a customer.

Defect Tracking Enabled

Indicate if you want to track defects of this item.

Recovered Part Disposition

Select the speed for which the item is returned for service. The three speeds are as follows:

Fast Return	The item must be returned quickly to the customer.
No Return	The item is not returned to the customer.
Slow Return	The item does not need to be returned quickly to the customer.

Installed Base Tracking

Select the check box to specify if the service for this item can be tracked by install base.

Service Starting Delay

Enter a positive number indicating how many days after shipment of the current item service should start. When service is ordered for the current item, the service may be started on a specific date or on a date that is determined only after the item ships. If service starts after the item ships, Oracle Service determines the start date by adding the starting delay you enter here to the item's shipment date.

Asset Creation

Indicate whether the item creates a depreciable inventory asset. A message is sent to Oracle Network Logistics regarding the depreciable status of the item. See: Overview of Oracle Network Logistics, *Oracle Network Logistics Concepts and Procedures*

See Also

Item Attribute Controls: page 4 – 6

Item Attributes Listed by Group Name: page 5 – 20

Relationships between Attributes: page 4 – 12

Defining Services and Usage, *Oracle Service Contracts User's Guide*.

Web Option Attribute Group

Following are the Web Option attributes and their possible values. You set these attributes when defining or updating items. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

Web Status

Indicate the web status of this item.

Disabled	This item is not web enabled.
Published	This item is web enabled, and published.
Unpublished	This item is web enabled, and unpublished.

Orderable On the Web

Indicate whether this item is orderable on from the web. Oracle iStore can sell items with this attribute enabled.

Back Orderable

Indicate whether this item can be backordered, it ATP fails.

See Also

Overview of Oracle iStore, *Oracle iStore User's Guide.*

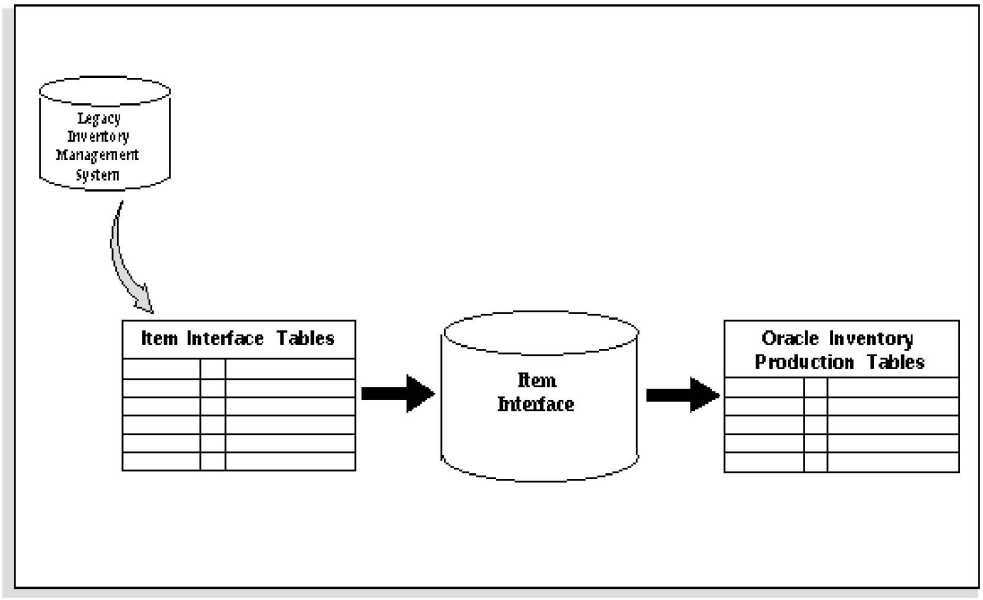
Open Item Interface

You can import and update items, and their category assignments from any source into Oracle Inventory and Oracle Engineering using the Item Interface. With this interface, you can convert inventory items from another inventory system, migrate assembly and component items from a legacy manufacturing system, convert purchased items from a custom purchasing system, and import new items from a Product Data Management package.

When you import items through the Item Interface, you create new items in your Item Master organization or assign existing items to additional organizations. You can specify values for all the item attributes, or you can specify just a few attributes and let the remainder default or remain null. The Item Interface also lets you import revision details, including past and future revisions and effectivity dates. Validation of imported items is done using the same rules as the item definition forms, so you are insured of valid items.

The Item Interface reads data from two tables for importing items and item details. You use the MTL_SYSTEM_ITEMS_INTERFACE table for new item numbers and all item attributes. This is the main item interface table, and can be the only table you choose to use. If you are importing revision details for new items, you can use the MTL_ITEM_REVISIONS_INTERFACE table. This table is used only for revision information, and is not required. A third table, MTL_INTERFACE_ERRORS, is used for error tracking of all items that the Item Interface fails.

The following diagram illustrates what is described in the above text.



Before you use the Item Interface, you must write and run a custom program that extracts item information from your source system and inserts it into the MTL_SYSTEM_ITEMS_INTERFACE table, and (if revision detail is included) the MTL_ITEMS_REVISIONS_INTERFACE table. After you load the items into these interface tables, you run the Item Interface to import the data. The Item Interface assigns defaults, validates data you include, and then imports the new items.

Attention: You must import items into the Item Master organization before you import items into additional organizations. You can accomplish this by specifying only your Item Master organization on a first pass run of the Item Interface. Once this has completed, you can run the Item Interface again, this time specifying an additional or all organizations.

You can also use the Item Interface to import item material cost, material overhead, and revision details.

See Also

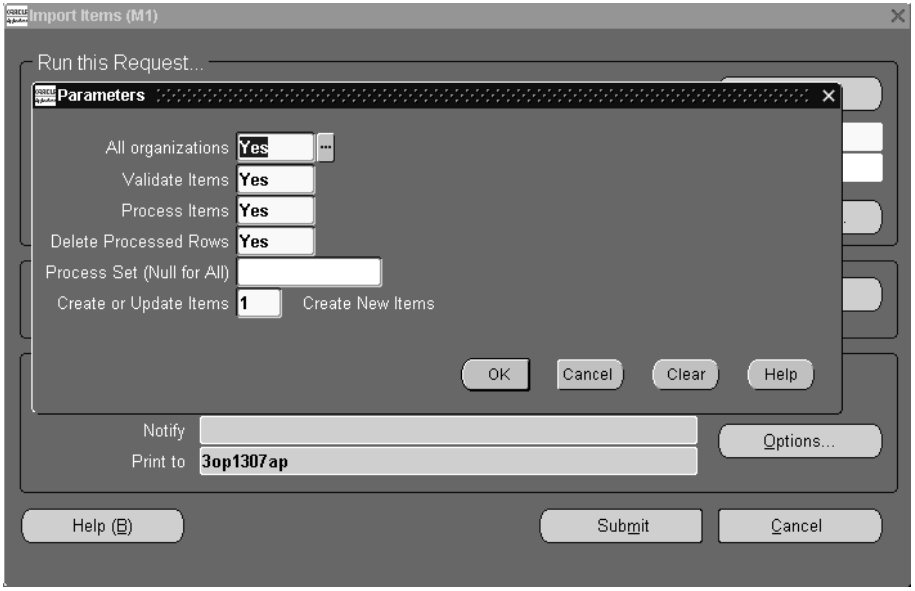
Importing Items: page 5 – 110

Open Item Interface, *Oracle Manufacturing APIs and Open Interfaces Manual*

Importing Items

▶ **To import items using the Item Interface:**

1. Navigate to the Import Items or All Reports window.
2. Enter *Import Items* in the Name field. The Parameters window appears.



3. Indicate whether to run the interface for all organizations in the item interface table. If you choose *No*, the interface runs only for the current organization and interface table rows for other organizations are ignored.
4. Indicate whether to validate all items and their data residing in the interface table that have not yet been validated. If items are not validated, they are not processed into Oracle Inventory.

   You would choose *No* if you had previously run the item interface and responded *Yes* for *Validate Items* and No for *Process Items*, and now want to process your items.

5. Indicate whether to process items. If you choose *Yes*, all qualifying items in the interface table are inserted into Inventory.

   You would choose *No*, along with *Yes* for *Delete Processed Rows*, to remove successfully processed rows from the interface table without performing any other processing.

6. Indicate whether to delete successfully processed items from the item interface tables.

   Choose *No* to leave all rows in the item interface tables for successfully processed items.

7. Choose OK to close the Parameters window, then choose Submit.

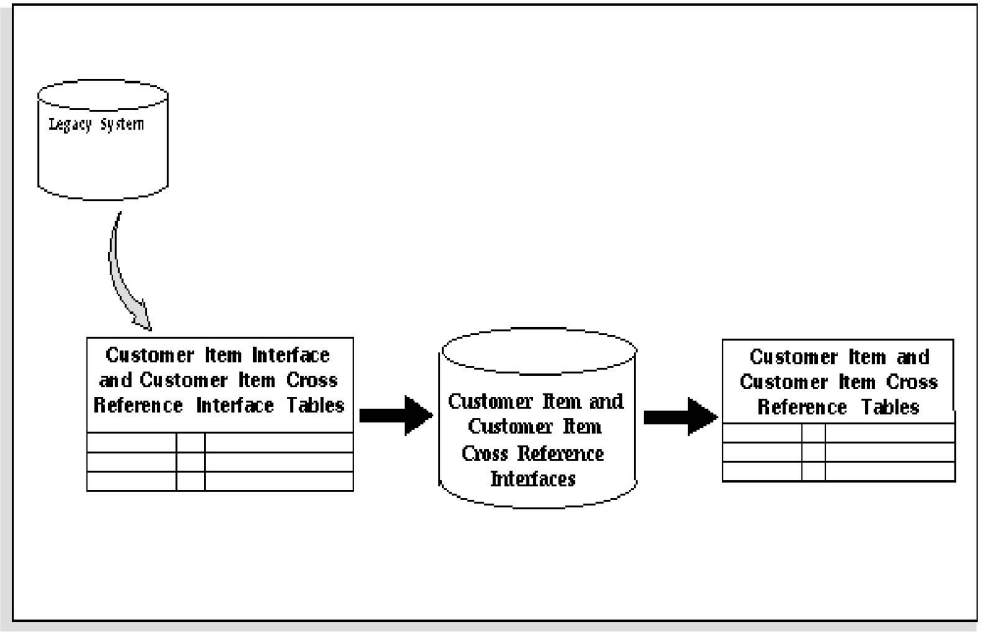
See Also

Open Item Interface: page 5 – 108

Integrating Your Systems: *Oracle Manufacturing Implementation Manual, Release 10*

Customer Item and Customer Item Cross Reference Interfaces

You can import customer items and customer item cross references from any source into Oracle Inventory and Oracle Engineering using the Customer Item and Customer Item Cross Reference Interfaces, as illustrated in the following diagram.



Before you use the Customer Item and Customer Item Cross Reference Interfaces, you must write and run custom programs that extract customer item and customer item cross reference information from your source system and insert it into the MTL_CI_INTERFACE and MTL_CI_XREFS_INTERFACE tables. After you load the customer items and customer item cross references into these interface tables, you run the Customer Item and Customer Item Cross Reference Interfaces to import the data. These interfaces assign defaults, validate data you include, and then import the new customer items and customer item cross references.

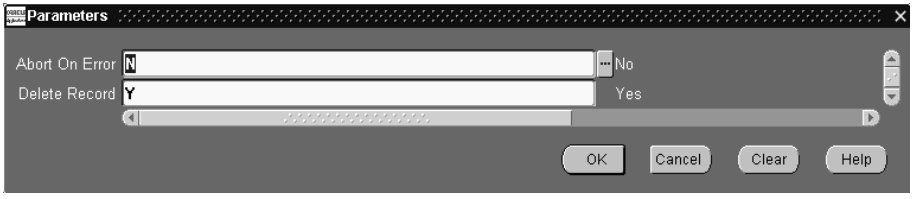
See Also

Importing Items: page 5 – 110

Importing Customer Items

▶ **To import customer items:**

1. Navigate to the All Reports window.
2. Enter *Import Customer Items* in the Name field. The Parameters window appears.



3. Indicate whether to Abort on Error:

   Yes indicates that the interface will automatically abort execution if an error is encountered during validation of a record. No additional records will be processed. The ERROR_CODE and ERROR_EXPLANATION columns in the MTL_CI_INTERFACE table are populated with the appropriate error code and explanation for the record that caused the error. Successfully validated records are transferred to the Oracle Inventory MTL_CUSTOMER_ITEMS table.

   No, the default, indicates that processing of the records in the interface table will continue until the end of the table is reached. If an error is encountered during validation of records, the ERROR_CODE and ERROR_EXPLANATION columns in the MTL_CI_INTERFACE table are populated with the appropriate error code and description. Successfully validated records are transferred to the Oracle Inventory MTL_CUSTOMER_ITEMS table.

4. Choose *Yes* or *No* to indicate whether to Delete Successfully Validated Records from the MTL_CI_INTERFACE table after they have been copied to the Oracle Inventory MTL_CUSTOMER_ITEMS table.
5. Choose OK to close the Parameters window, then choose Submit.

See Also

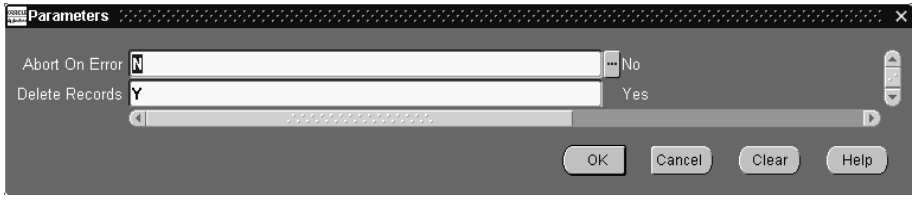
Open Item Interface: page 5 – 108

Integrating Your Systems: *Oracle Manufacturing Implementation Manual, Release 10*

Importing Customer Item Cross References

▶ **To import customer item cross references:**

1. Navigate to the All Reports window.
2. Enter *Import Customer Item Cross References* in the Name field. The Parameters window appears.



3. Indicate whether to Abort on Error:

   Yes indicates that the interface will automatically abort execution if an error is encountered during validation of a record. No additional records will be processed. The ERROR_CODE and ERROR_EXPLANATION columns in the MTL_CI_XREFS_INTERFACE table are populated with the appropriate error code and explanation for the record that caused the error. Successfully validated records are transferred to the Oracle Inventory MTL_CUSTOMER_ITEMS_XREFS table.

   No, the default, indicates that processing of the records in the interface table will continue until the end of the table is reached. If an error is encountered during validation of records, the ERROR_CODE and ERROR_EXPLANATION columns in the MTL_CI_XREFS_INTERFACE table are populated with the appropriate error code and description. Successfully validated records are transferred to the Oracle Inventory MTL_CUSTOMER_ITEMS_XREFS table.

4. Choose *Yes* or *No* to indicate whether to Delete Successfully Validated Records from the MTL_CI_XREFS_INTERFACE table

after they have been copied to the Oracle Inventory MTL_CUSTOMER_ITEMS_XREFS table.

5. Choose OK to close the Parameters window, then choose Submit.

See Also

Open Item Interface: page 5 – 108

Adding Attachments to Items

You can attach text, images, or OLE objects to items. These attachments are referred to as documents. Documents are grouped into categories. You can attach documents from the *Miscellaneous* category to items.

When you create a document you can assign a security type limiting it to a particular organization and only to items assigned to that organization. You can also define documents that span organizations by selecting a security type of *None* or *Set of Books*.

▶ **To attach documents to items:**

- Choose the Attachments icon. See: Working with Attachments, *Oracle Applications User's Guide*.

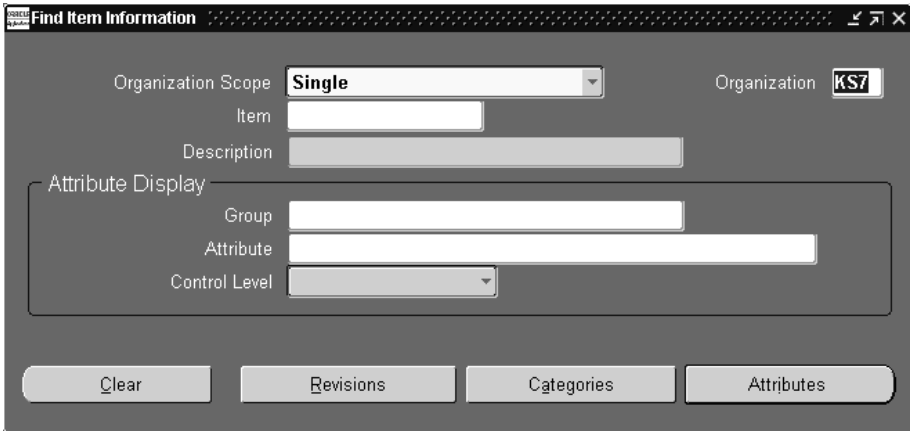
Viewing Item Information

You can quickly view all attributes, categories, or revisions for an item.

Depending on the function security assigned to your responsibility, you can view the information for an item in a single organization only, a single organization and its master organization, or across all organizations. The function security assigned to your responsibility determines whether you have the ability to look across multiple organizations. See: Overview of Function Security, *Oracle Applications System Administrator's Guide*.

▶ **To view item attribute, category, or revision information:**

1. Navigate to the Find Item Information window.



2. Select the organization scope to view depending on your function security.

   Single: View information for an item in a single organization only.

   Single with Master: View information for an item in a single organization and its master organization.

   All: View information for an item in all organizations where it is defined.

3. Optionally, enter an organization to view depending on your function security.
4. Enter the item whose information you want to view.
5. Optionally, limit the attributes displayed by entering a particular attribute group, attribute, or control level to view.

6. Choose a button to initiate the search:

   Revisions: Displays the Item Revisions window. You can view revision numbers, descriptions, organizations, date information, and engineering change order numbers.

   Categories: Displays the Item Categories window. You can view category sets, organization categories, and control levels.

   Attributes: Displays the Item Attributes window. You can view attribute names, groups, organizations, values, and control levels.

▶ **To navigate to the Items window from the Item Attributes window:**

- Choose either Master Items or Org Items from the Tools menu.

  Note: This function may not be available depending on your responsibility and function security.

See Also

Item Attribute Controls: page 4 – 6

Item Defining Attributes: page 4 – 8

Relationships between Attributes: page 4 – 12

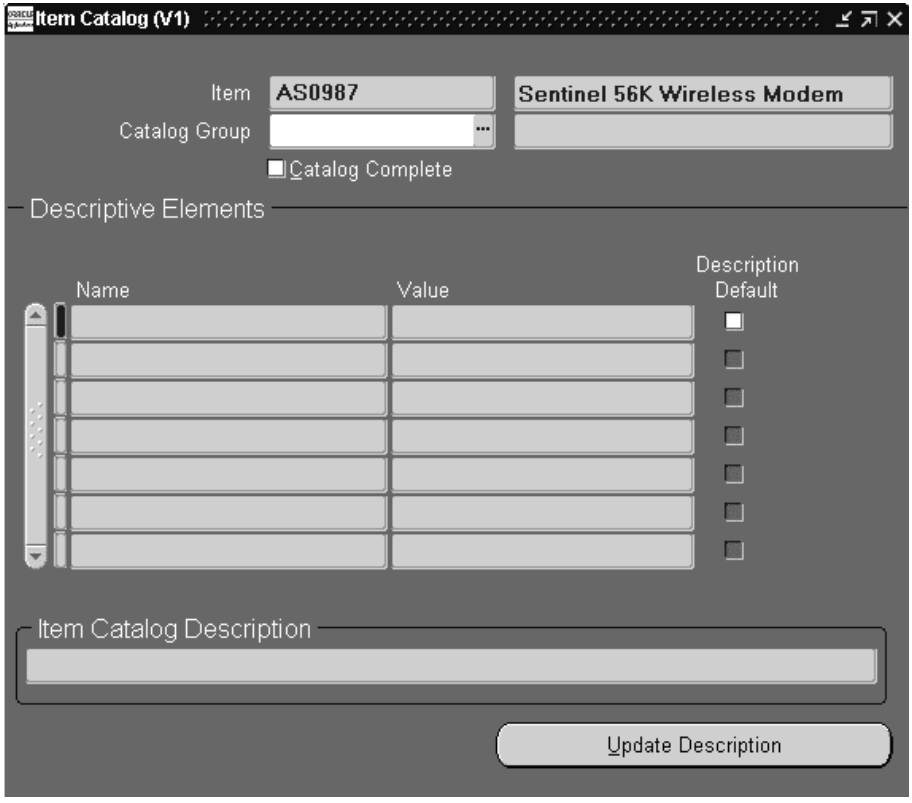
Item Attributes Listed by Group Name: page 5 – 20

Searching for Information, *Oracle Applications User's Guide*

Assigning Items to Catalogs

▶ **To assign an item to a catalog:**

1. Navigate to the Master Items Summary window and select an item.
2. Choose Catalog on the Tools menu. The Item Catalog window appears



3. Enter a catalog group.

   The descriptive elements for this catalog group display in the Name field. Assigning the item to this group means the item shares these descriptive elements.

   Note: Item catalog information is defined / maintained at the Master level, not the Organization level. Otherwise, if a descriptive element is *Color*, for example, you could set up conflicting values, such as the item as *Red* in one organization and *Blue* in another.

4. Indicate whether the catalog is complete.

   You can check this option only after defining values for all required descriptive elements. You determine which elements are required when you define the catalog group. Leave this option off if you have not finished defining values. This calls attention to the fact that some values are temporarily undefined.

5. Enter a specific value for each descriptive element that pertains to the item.

   For example, if the descriptive element is *Color*, you might enter *Blue*.

6. Indicate whether to include a descriptive element in a catalog–derived item description.

   If you turn this option on and choose Update Description, the value of the descriptive element is included in a concatenation that creates a catalog–derived item description.

   The default is the Description Default value you defined for the descriptive element when you defined the catalog group.

7. Save your work.

▶ **To replace the existing item description with a catalog–derived item description:**

- Choose Update Description.

  This creates an item description by concatenating the item catalog group description (default) or the catalog group name with the descriptive element values you defined. The concatenated item description displays in the Item Catalog Description field.

See Also

Defining Item Catalog Groups: page 4 – 77

Defining Item Relationships

You can define relationships between items. This allows you to search for items through these relationships. Except in Oracle Purchasing, these relationships are for inquiry and reporting purposes only.

Item Relationships with Oracle Purchasing

Within Oracle Purchasing you can define acceptable substitute items for receiving. You must define a list of substitutes before you receive a substitute item in place of an originally ordered item.

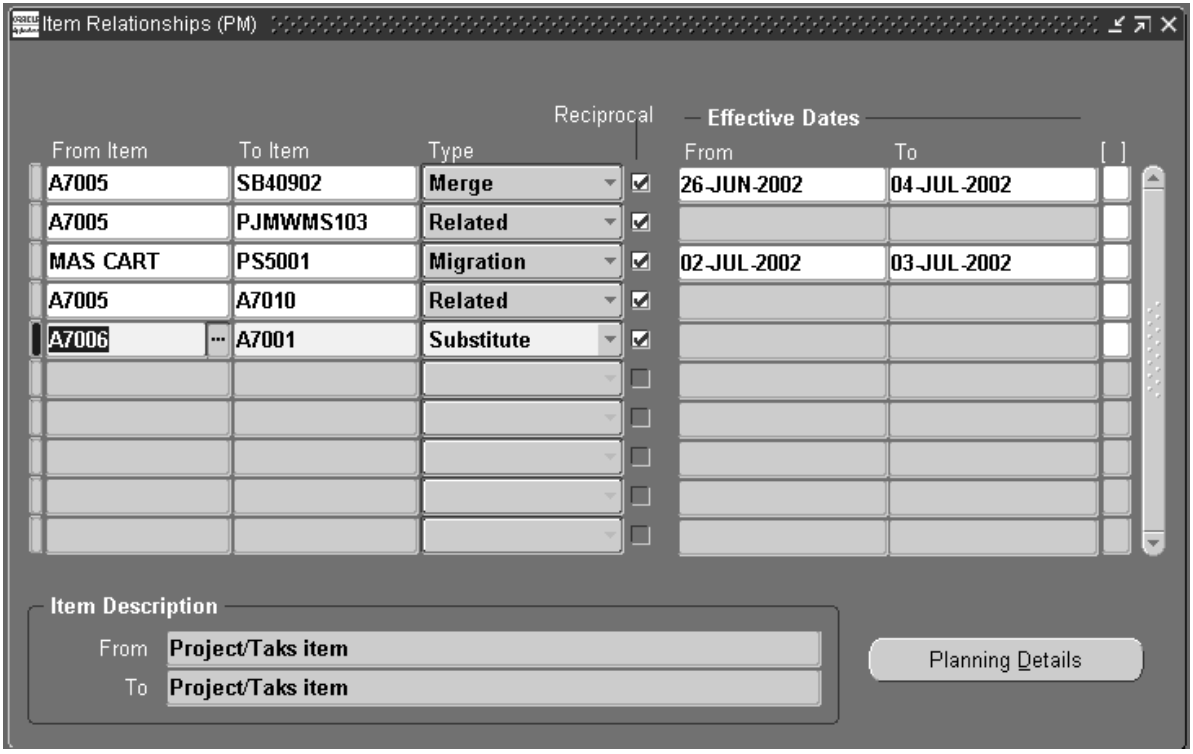
Attention: If you receive a substitute item, you *must* have previously defined a unit of measure conversion between the unit of measure on the purchase order and the unit of measure on the receipt.

Suggestion: To receive a substitute item correctly, you should ensure that the ordered item and the substitute item share the same base unit of measure.

▶ **To define item relationships:**

1. Navigate to the Item Relationships window. The Find Item Relationships window appears.
2. Choose new to define a new relationship.

   You can also enter search criteria and choose Find to display existing item relationships.



3. Enter an item that represents the From part of the relationship.
4. Enter an item that represents the To part of the relationship.
5. Select the Type of relationship between the items.

   Related: The items are related in a non–specific way.

   Substitute: One item is a substitute for another. To define the parameters for substitute item relationships, select the Planning Details button and see defining details for substitute item relationships below.

   Attention: The Planning Details button is enabled only for the item relationship type Substitute.

   Cross–Sell: This relationship indicates that one item may be sold in lieu of another item.

   Up–Sell: This relationship indicates that a newer version of the item exists, and can be sold in place of the older item.

   Service: This relationship establishes service items for a repairable item.

Prerequisite: This relationship indicates that you must possess one of the items as a requirement to possessing the other item.

Collateral: This relationship indicates collateral, such as marketing brochures, that you possess for an item.

Superceded: This relationship indicates that one item has replaced another item that is no longer available.

Complimentary: This relationship indicates if a customer purchases one item, the other item is received for free.

Impact: This relationship is used to relate items to each other but only under special conditions.

Conflict: This relationship indicates that these items may never be used together.

Mandatory Charge: This relationship indcates a mandatory charge if the customer purchases both items.

Optional Charge: This relationship indicates an optional charge if the customer purchases both items.

Promotional Upgrade: This relationship enables a customer to upgrade from one item to another item or equal or higher value, without an additional charge.

Split: This relationship enables you to split support for an item so you do not have to manually split support at contract renewal. To use this relationship, you must be in a planning enabled organization.

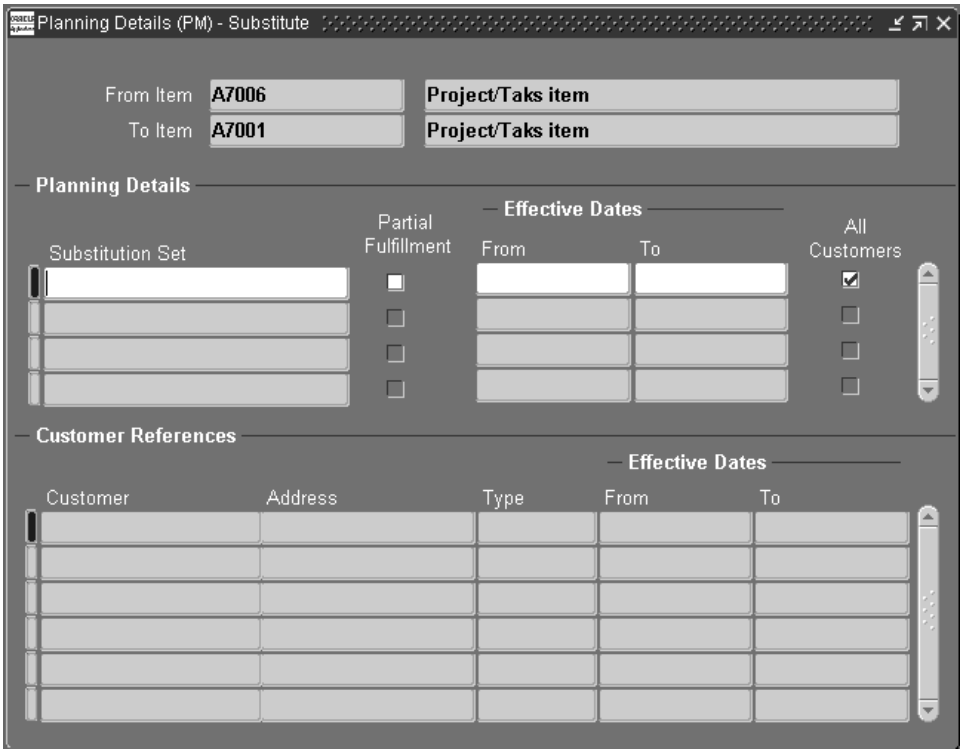
Merge: This relationship enables rules based consolidation of contracts. You may use the earliest or latest target end date for consolidation. This allows you to choose how contracts are consolidated. To use this relationship, you must be in a planning enabled organization.

Migration: During contact renewal you are given the option of renewing contracts based on new licenses, or old licenses. To use this relationship, you must be in a planning enabled organization.

6. Indicate whether the item relationship is Reciprocal.
7. Enter the Effective Dates if the item relationship is Split, Merge, or Migration.
8. Save your work.

▶ **To define details for Substitute Item Relationships:**

1. Navigate to the Planning Details Substitute window by choosing the Planning Details from the Item Relationships window.



2. In the Planning Details region, enter the Substitution set.
3. Select the Partial Fulfillment check box if applicable.
4. Enter the Effective Dates for the Substitution.
5. Select the All Customers check box if the substitution applies to all customers.
6. , If you have not checked the All Customers check box, enter the customer information in the Customer References region.
7. Save your work.

See Also

Searching for Information, *Oracle Applications User's Guide*

Defining Manufacturer Part Numbers

You can define manufacturer part numbers for items. You can use this information for reporting purposes; and in catalog searches for particular items.

▶ **To define manufacturers:**

1. Navigate to the Manufacturers window.

2. Enter the name of the manufacturer.
3. Save your work.

▶ **To enter an item and its associated manufacturer part number from the Manufacturers window:**

1. Navigate to the Manufacturers window.
2. Choose Parts.
3. Enter a manufacturer part number.
4. Enter an item.

   You can assign the same item to multiple manufacturer part numbers.

5. Save your work.

▶ **To associate an item with an existing manufacturer part number:**

1. Navigate to the Manufacturer Part Numbers window.

   You can do this from the Navigator or from the Item window by choosing Manufacturer Part Numbers from the Tools menu.

2. Enter a manufacturer.
3. Enter a manufacturer part number.
4. Enter an item.
5. Save your work.

Assigning Subinventories to an Item

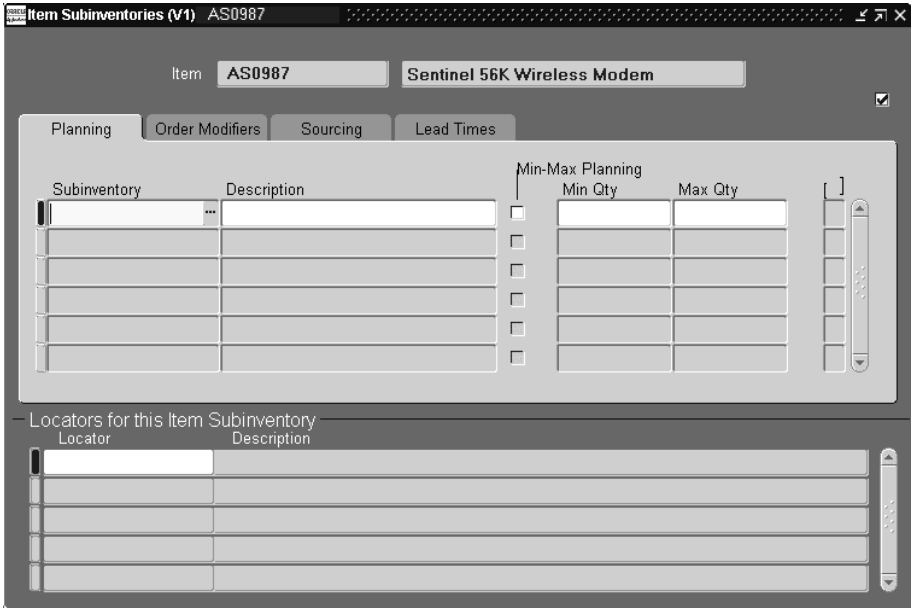
You can assign a list of subinventories to an item. You restrict an item to the list of subinventories by setting the *Restrict Subinventories* attribute when you define or update the item.

You also use the item / subinventory relationship to specify valid subinventories for zero quantity cycle counts for an item, and to specify items for an ABC analysis performed at the subinventory level. In these cases you do not have to set the *Restrict Subinventories* attribute, only establish the relationship between the item and subinventory.

You can also specify planning information and locators for the item in its assigned subinventories. This information is used to perform min–max planning and replenishment processing at the subinventory level.

▶ **To restrict an item to a list of subinventories:**

1. Navigate to the Master Items Summary or Organization Items Summary window.
2. Select an item.
3. Choose Item Subinventories from the Tools menu. The Item Subinventories window appears.



4. Enter a Subinventory to assign to the item.

5. Select the Planning tabbed region.
6. Indicate whether to use min–max planning for the item in this subinventory.

   If you do not check *Min–Max Planning*, the item is not planned at the subinventory level for this subinventory.
7. If you check *Min–Max Planning*, enter minimum quantity and maximum quantity on hand values.

   Min Qty: 'The on–hand quantity at which to place an order.

   Max Qty: The suggested maximum quantity to maintain as on–hand inventory. This maximum displays on the min–max report, indicating that any order placed should not force the on–hand quantity of the item to exceed this quantity.
8. Save your work.

▶ **To enter order modifier information for the item:**

1. Select the Order Modifiers tabbed region.
2. Enter the fixed lot multiple quantity for the item.
3. Enter the minimum order quantity for the item in this subinventory.

   Planning algorithms (min–max and replenishment) place orders of at least this quantity.
4. Enter the maximum order quantity of the item in this subinventory.

   Planning algorithms (min–max and replenishment) place orders no greater than this quantity.

▶ **To enter sourcing information for the item:**

1. Select the Sourcing tabbed region.
2. Select a source type.

   Inventory: Fill requests for this item in this subinventory by creating internal requisitions that pull stock from existing inventory.

   Supplier: Fill requests for this item in this subinventory by creating purchase requisitions that become purchase orders, procuring the material from a supplier.

   Subinventory: Fill requests for this item in this subinventory by creating move order requisitions that become move orders, pulling the stock from an existing subinventory.

3. Enter the organization from which an internal requisition draws the item.

   You must enter a value here when you select *Inventory* as the replenishment source type.

4. Enter the subinventory within the source organization from which an internal requisition draws the item.

   You enter a value here only when you select *Inventory* as the replenishment source type and you specify a source organization.

▶ **To enter lead time information for the item in this subinventory:**

1. Select the Lead Times tabbed region.
2. Enter pre–processing, processing, and post–processing lead times.

▶ **To enter the locator to which to assign the item in the subinventory:**

- Enter a locator.

  You restrict an item to the list of locators you define here by setting the *Restrict Locators* attribute when you define the item.

See Also

Defining Items: page 5 – 6

Updating Organization Level Items: page 5 – 17

Assigning Items to a Subinventory

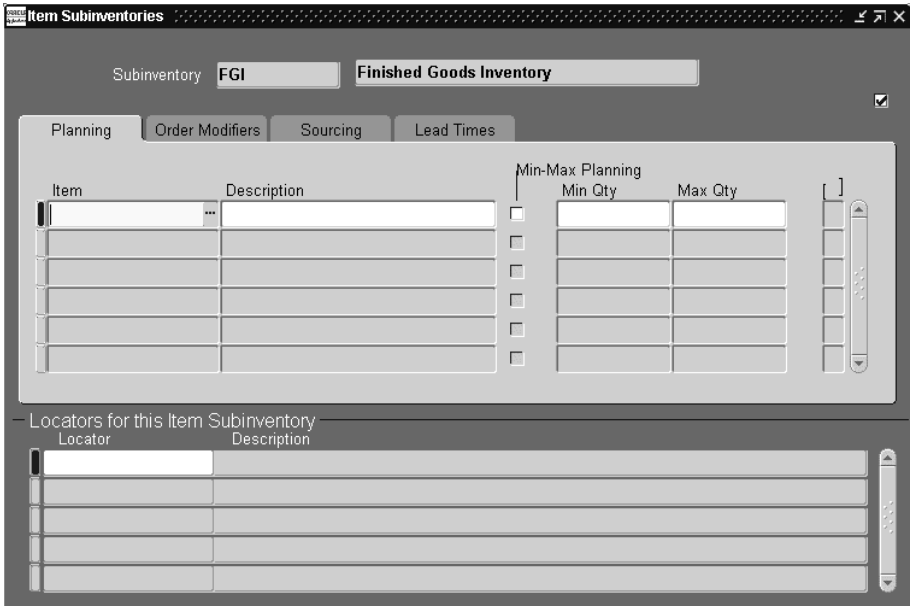
You can assign items to a given subinventory. Assigning items to a subinventory does *not* restrict the subinventory to that list of items. Rather, the items are restricted to that subinventory. Thus, you can always issue and receive unrestricted items to any subinventory, but you can only issue and receive restricted items to their list of subinventories. You activate the list of subinventories for a restricted item by setting the *Restrict Subinventories* attribute when defining or updating items.

You also use the item / subinventory relationship to specify valid subinventories for zero quantity cycle counts for an item, and to specify items for an ABC analysis performed at the subinventory level. In these cases you do not have to set the *Restrict Subinventories* attribute, only establish the relationship between the item and subinventory.

You can also specify planning information related to the items you assign to a given subinventory.

▶ **To restrict an item to a list of subinventories:**

1. Navigate to the Subinventories Summary window.
2. Select a subinventory.
3. Choose the Item / Subinventory button. The Item Subinventories window appears.



4. Enter an item to assign to the subinventory.
5. Select the Planning tabbed region.
6. Indicate whether to use min–max planning for the item in this subinventory.

   If you do not check *Min–Max Planning*, the item is not planned at the subinventory level for this subinventory.
7. If you check *Min–Max Planning*, enter minimum quantity and maximum quantity on hand values.

   Min Qty: 'The available quantity at which to place an order.

   Max Qty: The suggested maximum quantity to maintain as available inventory. This maximum displays on the min–max report, indicating that any order placed should not force the available quantity of the item to exceed.
8. Save your work.

▶ **To enter order modifier information for the item:**

1. Select the Order Modifiers tabbed region.
2. Enter the fixed lot multiple quantity or repetitive rate (units per day) for the item.
3. Enter the minimum order quantity or repetitive rate (units per day) for the item in this subinventory.

   Planning algorithms (min–max and replenishment) place orders of at least this quantity.
4. Enter the maximum order quantity or repetitive rate (units per day) of the item in this subinventory.

   Planning algorithms (min–max and replenishment) place orders no greater than this quantity.

▶ **To enter sourcing information for the item:**

1. Select the Sourcing tabbed region.
2. Select a source type.

   Inventory: Fill requests for this item in this subinventory by creating internal requisitions that pull stock from existing inventory.

   Supplier: Fill requests for this item in this subinventory by creating purchase requisitions that become purchase orders, procuring the material from a supplier.

Subinventory: Fill requests for this item in this subinventory by creating move order requisitions that become move orders, pulling the stock from an existing subinventory.

3. Enter the organization from which an internal requisition draws the item.

   You must enter a value here when you choose *Inventory* as the replenishment source type.

4. Enter the subinventory within the source organization from which an internal requisition draws the item.

   You enter a value here only when you choose *Inventory* as the replenishment source type and you specify a source organization.

▶ **To enter lead time information for the item in this subinventory:**

1. Select the Lead Times tabbed region.
2. Enter preprocessing, processing, and post–processing lead times.

▶ **To enter the locator to which to assign the item in the subinventory:**

- Enter a locator.

  You restrict an item to the list of locators you define here by setting the *Restrict Locators* attribute when you define the item.

See Also

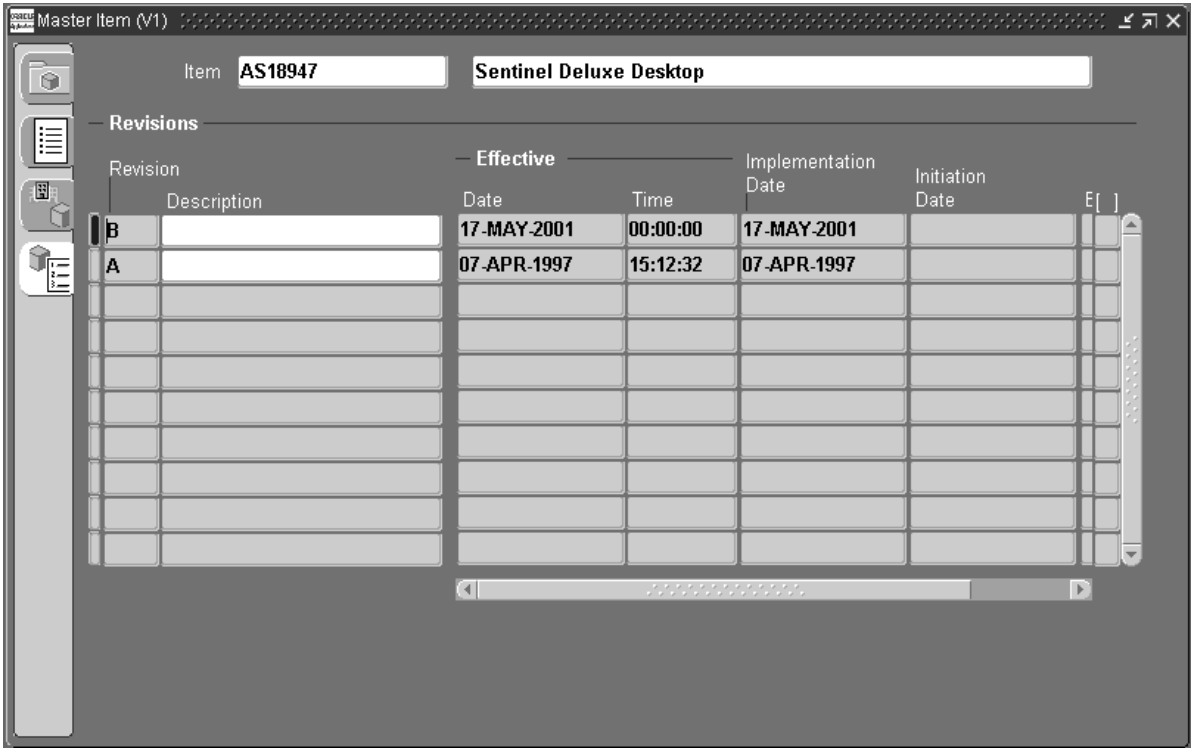
Defining Items: page 5 – 6

Updating Organization Level Items: page 5 – 17

Defining Item Revisions

▶ **To define an item revision:**

1. Navigate to the Item Revisions window from one of the following windows:
   - Master Items Summary folder or Master Item window
   - Organization Items Summary folder or Organization Item window
   - Bills of Material window
   - Engineering Change Orders window



2. Enter an alphanumeric revision for the item.

   You can use letters, numbers, and characters (such as *, &, and #) to label revisions. Letters are always in upper case and numbers may include decimals. To ensure that revisions sort properly, decimals should always be followed by a number. Valid revisions can include: A, B, 01, 02, A1, B1, 1A, 1B, 0.0, 0.1, A.0, A.1, and so on.

Revisions are sorted according to ASCII rules. Each revision must be greater than the previous revision. Therefore, you cannot use revision 10 after revision 9 because, according to ASCII sorting, 10 precedes 9.

The value you entered in the Starting Revision field in the Organization Parameters window displays as the starting revision for the item.

For revisions that have the same effective date, the revisions sort in descending order starting with the last revision you entered.

3. Enter the effective date (start date) of the item revision.

   You can also define and update item revisions through engineering change orders (ECOs).

4. Save your work.

See Also

Defining Engineering Change Orders, *Oracle Engineering User's Guide*

Defining Item Transaction Defaults

Use this form to define a default subinventory and / or locator for an item for shipping, receiving, and move order transactions. Oracle Shipping Execution displays the default shipping information when you ship an item. Oracle Inventory displays the default receiving information when you receive an item. For move orders, Oracle Inventory derives the default put away locator when you transact an item into a locator controlled subinventory if no locator was specified by the creator of the move order.

Prerequisites

- ❑ Define at least one item
- ❑ Define at least one subinventory
- ❑ Define at least one locator for the subinventory

See: Defining Items: page 5 – 6, Defining Subinventories: page 2 – 27, and Defining Stock Locators: page 2 – 34.

▶ **To define a default transaction subinventory for an item:**

1. Navigate to the Item Transaction Defaults window.

2. Select the Subinventories tabbed region.
3. Enter an item for which you want to assign a default transaction subinventory.

4. Select the type of default:

   Shipping: Assign a default shipping subinventory to the item.

   Receiving: Assign a default receiving subinventory to the item.

   Move Order Receipt: Assign a default move order subinventory to the item.

5. Enter a subinventory to use as the default transaction subinventory for the item.

   If you restrict the item to specific subinventories using either the Subinventory Items window or the Item Subinventories window, you can only choose those subinventories in this field. See: Assigning Subinventories to an Item: page 5 – 127 or Assigning Items to a Subinventory: page 5 – 130

6. Save your work.

▶ **To define a default transaction locator for an item in a subinventory:**

1. Select the Locators tabbed region.
2. Enter an item to assign a default transaction locator for the subinventory associated with the item.
3. Enter a subinventory to use as the default transaction subinventory for the item.

   If you restrict the item to specific subinventories using either the Subinventory Items window or the Item Subinventories window, you can only choose those subinventories in this field. See: Assigning Subinventories to an Item: page 5 – 127 or Assigning Items to a Subinventory: page 5 – 130

Attention: If you already defined a default shipping and / or receiving subinventory in the Subinventories tabbed region, you should assign the same subinventory to the item in this field.

4. Select the type of default:

   Shipping: Assign a default shipping locator to the item for this subinventory.

   Receiving: Assign a default receiving locator to the item for this subinventory.

   Move Order Receipt: Assign a default move order locator to the item for this subinventory .

5. Enter a locator to use as the default transaction locator for the item in this subinventory.

6. Save your work.

See Also

Defining Subinventories: page 2 – 27

Defining Stock Locators: page 2 – 34

Searching for Items

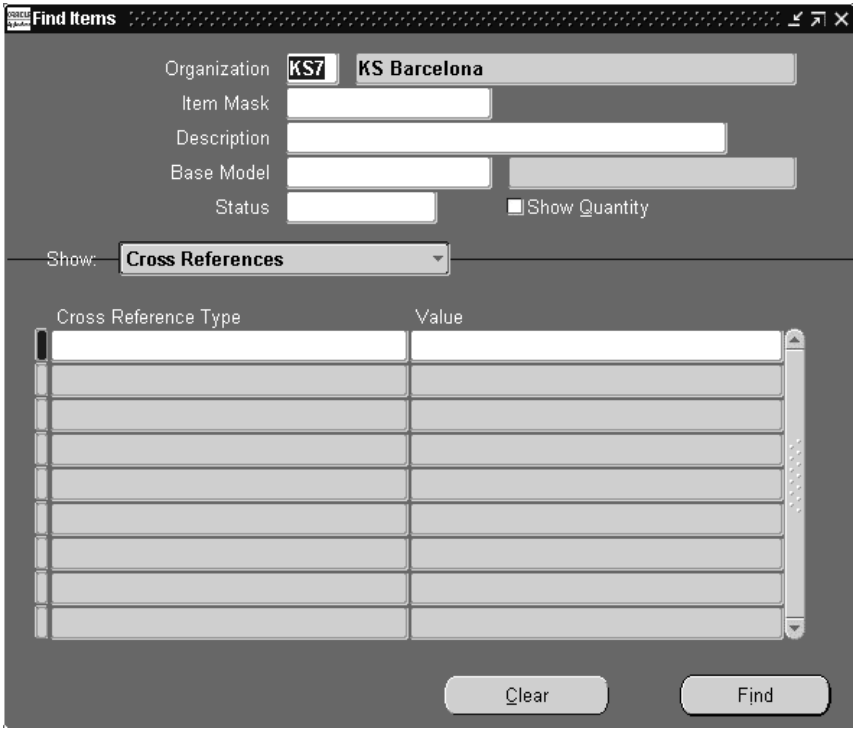
Use the Item Search window to search for items based on any combination of criteria you specify. For example, you can view all items:

- matching specified inventory detail, or having a specified descriptive element value
- belonging to a specified category
- related to or that are substitutes for a specified item
- having a particular cross–reference
- matching specified purchasing information

You can specify as much or as little criteria as you want. The search returns all items that match all the criteria you entered.

▶ **To specify the search criteria for an item:**

1. Navigate to the Item Search window. The Find Items window appears.



2. Enter an organization in which to search for an item. If you choose null you can search across organizations, but you must enter some other type of search criteria.

3. Enter an item value to use as search criteria. You can enter an item, a partial value with a wildcard, or leave the field blank. If you leave the field blank, the search is made for all items.

   Note: This item field is for entering search criteria only. A list of items is not available and the value you enter is not validated. This allows you to enter partial values and wildcards to enhance search capabilities.

4. Optionally, enter a base model, to identify the model from which an ATO configuration was created.

   Note: Oracle Purchasing does not use this field.

5. Optionally, enter an item status. See: Defining Item Status Codes: page 4 – 21.

6. Indicate whether quantity information should display. If you query on non–quantity criteria, quantity information is not displayed unless you check this option.

7. Optionally, enter search criteria into any combination of the following tabbed regions:

   - *Cross References*: Enter a cross–reference type (the group of cross–reference names) and a value (the entity you cross–reference to the item) that corresponds to the type you specified. See: Defining Cross–Reference Types: page 4 – 39.
   - *Item Relationships*: Enter the relationship type and the related item. Items can be *Related* in a non–specific way or they can *Substitute* for each other. See: Defining Item Relationships: page 5 – 121.
   - *Purchase Details*: Enter the manufacturer name and part number, the supplier name, item number and contract number, or a blanket agreement number. See: Defining Manufacturer Part Numbers: page 5 – 125.
   - *Item Categories*: Enter a category set and an associated category. See: Defining Category Sets: page 4 – 55 and Defining Categories: page 4 – 53.
   - *Quantity Types*: Indicate whether to search for items using the *Available to Reserve* quantity or the *On–Hand Quantity*, choose a condition for comparing the quantity type to a specified quantity, and specify a quantity for which to search.

- *Item Catalogs*: Enter a catalog group, descriptive element names and values, or indicate whether you want to search for items you have specified as having a complete catalog. You specify that an item has a complete catalog when you have entered values for all the required descriptive elements. See: Defining Item Catalog Groups: page 4 – 77 and Defining Descriptive Elements: page 4 – 80.

8. When you have entered your criteria choose the Find button. The results of the search appear in the Item Search window.

   Information for matching items displays including the item, description, organization, unit of measure, and quantity. The quantity is displayed only if you entered quantity related criteria.

▶ **To view more information about a matching item**:

- Choose an option from the Tools menu to navigate to a new window providing further information about the item.

See Also

Searching for Information, *Oracle Applications User's Guide*

Item Deletion

The major use of item delete is to correct data entry errors. For example, if you defined an item with the wrong primary unit of measure, you can use the delete function to remove the item from your database. If you use an item (buy it, stock it, transact it, and so on) you can either obsolete the item and prevent its further use or you can first remove all references to the item and then delete it. Oracle Inventory checks all possible references to an item and does not allow it to be deleted until every reference is removed. Once an item is *used*, references to it are created. *Using* an item means buying it on a purchase order, creating on–hand quantity via cycle count or physical inventory, assigning the item to a bill of material, building the item on a job or repetitive schedule, and so on. This means that if you transact an item, for example, you must first purge the transactions before you can delete the item.

Attention: Note that deleted items are not archived.

Define Delete Constraints

You can define your own delete constraints that are checked before deleting an item. User–defined delete constraints supplement the standard predefined item delete conditions that Oracle provides. Use the Delete Constraint window to define your own delete conditions.

You can check for references to an item before deleting it. You can also check for references without having to delete the item.

See: Creating Custom Delete Constraints, *Oracle Bills of Material User's Guide.*

Entities Checked When Deleting

The following table presents conditions that are checked before an item is deleted:

Delete Constraint	Conditions checked
ITM_CON3	Transaction history in MTL_MATERIAL_TRANSACTIONS
ITM_CON4	Pending transactions in MTL_MATERIAL_TRANSACTIONS_TEMP
ITM_CON5	On–hand balances in MTL_ONHAND_QUANTITIES

Delete Constraint	Conditions checked
ITM_CON6	Physical inventory history in MTL_PHYSICAL_ADJUSTMENTS
ITM_CON7	Physical inventory tags in MTL_PHYSICAL_INVENTORY_TAGS
ITM_CON8	Replenishment counts in MTL_REPLENISH_LINES
ITM_CON9	Potential replenishment counts in MTL_REPLENISH_LINES_INT
ITM_CON11	Uncounted cycle count requests for the item in MTL_CYCLE_COUNT_ENTRIES with status_code > 1
ITM_CON12	Planned receipts and intransit quantities in MTL_SUPPLY
ITM_CON13	Pending transactions in MTL_TRANSACTIONS_INTERFACE
ITM_CON14	A bill of materials for the item in BOM_BILL_OF_MATERIALS
ITM_CON15	The item is a component on a bill in BOM_INVENTORY_COMPONENTS
ITM_CON16	A routing exists in BOM_OPERATIONAL_ROUTINGS
ITM_CON17	The item is a substitute component for a bill in BOM_SUBSTITUTE_COMPONENTS
ITM_CON18	Any forecasts containing the item in MRP_FORECAST_ITEMS
ITM_CON19	Master schedules containing the item in MRP_SCHEDULE_ITEMS
ITM_CON20	A copy of an MRP planned item in MRP_SYSTEM_ITEMS
ITM_CON21	The item appears as a revised component in ENG_REVISED_COMPONENTS
ITM_CON22	The item appears as a revised item or a use up item on an engineering change order (ECO) in ENG_REVISED_ITEMS
ITM_CON23	Discrete jobs or repetitive schedules for the item (assembly) in WIP_ENTITIES
ITM_CON24	Discrete jobs or repetitive schedules that require the item in WIP_REQUIREMENT_OPERATIONS
ITM_CON25	'Blanket' or 'contract' Purchase Orders for the item in PO_LINES and PO_HEADERS
ITM_CON26	Shipments of the item in RCV_SHIPMENT_LINES
ITM_CON27	Requisitions for the item in PO_REQUISITION_LINES
ITM_CON28	Potential requisitions for the item in PO_REQUISITIONS_INTERFACE
ITM_CON29	Any ReqExpress template lines for the item in PO_REQEXPRESS_LINES
ITM_CON30	An autosource rule for the item exists in PO_AUTOSOURCE_RULES
ITM_CON31	Any PO lines for the item with a ship–to location in the current organization in PO_LINES and PO_LINE_LOCATIONS
ITM_CON32	Receiving transactions for the item in RCV_TRANSACTIONS_INTERFACE
ITM_CON33	Any discrete jobs to build the item in WIP_DISCRETE_JOBS
ITM_CON34	Any potential discrete jobs or repetitive schedules for the item to be loaded into Oracle Work in Process in WIP_JOB_SCHEDULE_INTERFACE
ITM_CON35	The item is identified as a purchased item resource in BOM_RESOURCES

Delete Constraint	Conditions checked
ITM_CON36	No invoices, or credit memo or commitment line transactions exist in RA_CUSTOMER_TRX_LINES
ITM_CON37	Cost update adjustment details for the item in CST_STD_COST_ADJ_VALUES
ITM_CON38	Cost rollup and cost type purge information in CST_COST_TYPE_HISTORY
ITM_CON39	The item in any ABC compile in MTL_ABC_COMPILES
ITM_CON40	The item in any ABC class assignments in MTL_ABC_ASSIGNMENTS
ITM_CON41	Any demand for the item in MTL_USER_DEMAND
ITM_CON42	Any supply for the item in MTL_USER_SUPPLY
ITM_CON43	The item is included in a bill of resource set in CRP_BILL_OF_RESOURCE_ITEMS
ITM_CON44	Sales order lines for the item exist in SO_LINES
ITM_CON45	Sales order line details exist for the item in SO_LINE_DETAILS
ITM_CON46	Picking lines exist in SO_PICKING_LINES
ITM_CON47	Any upgrade history for the item in CST_STANDARD_COSTS
ITM_CON48	Items in the master organization existing in a child organization where the item fails delete constraints for that child organization
ITM_CON49	Pull sequence exists for this item (MTL_KANBAN_PULL_SEQUENCES)
ITM_CON50	Kanban cards exist for this item (MTL_KANBAN_CARDS)

See Also

Deleting Items, Bills, Routings, Components, and Operations, *Oracle Bills of Material User's Guide*

Lot Control

Oracle Inventory provides complete lot number support for inventory transactions. You can enable lot control for specific items in your inventory. For items under lot control, you assign lot numbers to each receipt into inventory and thereafter reference the same lots each time you perform material transactions. This allows you to have tight control over batches of items in your inventory.

Assigning Lot Numbers

You must assign lot numbers whenever you receive items under lot control into inventory. You can also add quantities to existing lot numbers and split an inventory receipt into several lots, as necessary. Inventory assists you in entering lot numbers by generating defaults using the default lot number generation method you chose in the Organization Parameters window. If the item you are receiving is also under *User–defined expiration date* Lot Expiration (shelf life) Control, you must specify the expiration date for the lot. See: Defining Organization Parameters: page 2 – 13, Inventory Attribute Group: page 5 – 43, and Receipts, *Oracle Purchasing User's Guide*.

Maintaining Lot Number Information

You can use the Item Lots window to update the expiration date of lots for items under lot expiration (shelf–life) control. Inventory lets you view all lots you created in your current organization and the supplier lot information associated with them. See: Maintaining Item Lot Information: page 5 – 149.

Issuing Material from Inventory

When you issue items under lot control from inventory, you must specify a lot number for that item. You can specify more than one lot to cover the transaction quantity. If you attempt to transact an item to or from an expired lot, Inventory displays a warning message but does not prevent you from using the lot. See also: Overview of Material Control, *Oracle Work in Process User's Guide*, Overview of Shop Floor Control, *Oracle Work in Process User's Guide*,.

Expired Lots

You can determine whether a lot has an expiration date by assigning a number of lot control shelf life days or by entering an lot expiration date. The expiration date controls the availability of the lot for transacting and planning purposes. An expired lot:

- is not considered as on–hand supply when performing min–max, reorder point or MRP planning calculations
- cannot be reserved for a date beyond the expiration date
- can be transacted and is included in on–hand quantities
- is included in all inquiries and reports, including inventory valuation reports
- is included in a cycle count and count entry and adjustments are allowed
- is included in a physical inventory and tag entry and adjustments are allowed

Disabled Lots

Disabling a lot only prevents it from appearing in a list of values when performing receipt transactions. If you type in the lot number it is valid and acccepted even though it was not in the list of values. Disabling is used only for tailoring this specific instance of the list of values for lot numbers. A disabled lot:

- is included in available to transact, available to promise, and available to reserve calculations
- is included as on–hand supply when performing min–max, reorder point or MRP planning calculations
- is included as on–hand in all inquiries and reports, including inventory valuation reports
- can be transacted with Inventory functions and the Transaction Open Interface
- can be reserved

Cycle Counting

Inventory includes the lot numbers of the items to cycle count when it generates a cycle count listing. You must assign lot numbers to all items under lot control for which you enter counts. If there is a difference between the count quantity and the system on–hand quantity, Inventory adjusts the item quantity in that lot. See: Entering Cycle Counts: page 12 – 25.

Performing Physical Inventories

Inventory includes the lot numbers of the items to count in your physical inventory when it generates tags. You must assign lot numbers to all items under lot control for which you enter counts in the

Physical Inventory Tag Counts window. If there is a difference between the count quantity and the system on–hand quantity, Inventory adjusts the item quantity in that lot. See: Entering and Voiding Physical Inventory Tag Counts: page 13 – 11.

Assigning Lot Numbers to Assemblies

When you complete an assembly under lot control into inventory, you must assign a lot number in the WIP Completion Transaction form in Oracle Work in Process. For assembly completions on discrete jobs, Oracle Work in Process defaults the job's lot number. See: Overview of Assembly Completions and Returns, WIP Parameters, *Oracle Work in Process User's Guide*., Overview of Material Control, and Overview of Shop Floor Control, *Oracle Work in Process User's Guide.*

Purging Lot Transactions

You can purge all lot transaction information from your current organization. Note that the transactions must be in closed accounting periods. See: Purging Transaction History: page 7 – 66.

Attention: Purging lot transactions eliminates information used in lot genealogy reports and inquiries (Supplier Lot Trace Report, Job Lot Composition Report, and Job Lot Composition Inquiry).

See Also

Setting Up Lot Control: page 5 – 147

Setting Up Lot Control

Before you can use lot control, you must perform setup activities.

▶ **To set up item lot control:**

1. Establish lot control for an item.

   You can establish lot control for an item when you define it. You can choose from *No control* or *Full control*. If you choose lot control you must assign lot numbers when you receive the item into inventory. Thereafter, when you transact this item, you must provide a lot number you specified when you received the item.

   You can update lot control options for an item if it has zero on–hand quantity.

   A lot number is a combination of an alphanumeric prefix and a numeric suffix. When you define an item, you can specify the starting lot prefix and the starting lot number. Oracle Inventory uses this information to generate defaults during transaction entry. See: Inventory Attribute Group: page 5 – 43.

2. Establish lot expiration (shelf life) control.

   Shelf life is the amount of time an item may be held in inventory before it expires. When defining items under lot control, you can choose *No control*, a certain number of *Item shelf life days* from the date you receive the item, or a *User–defined* expiration date for each lot. An expired lot is not considered as on–hand supply when performing min–max, reorder point or MRP planning calculations, and cannot be reserved. See: Inventory Attribute Group: page 5 – 43.

3. Establish lot number uniqueness.

   You use the Organization Parameters window to specify whether lot numbers should be unique for an item.

   If you do not establish lot number uniqueness, you can assign the same lot number to multiple items in the same organization and across organizations. If you control lot number uniqueness at the Master level, you can assign a specific lot number only to one item in the same organization and across organizations. When you perform transactions, Oracle Inventory checks the lot number uniqueness control to generate lot number defaults. See: Defining Organization Parameters: page 2 – 13.

4. Optionally, determine whether to automatically generate lot number defaults.

   You use the Organization Parameters window to specify how to generate lot number defaults. You can choose to generate sequential lot numbers based on an alphanumeric prefix you specify when you define an item. Oracle Inventory can also generate lot number defaults for the entire organization. In this case, you must define a lot number prefix at the Organization level in the Organization Parameters window.

   If you do not want Oracle Inventory to automatically generate lot number defaults for you, you can choose to enter your own lot numbers when you receive items. You can always override lot number defaults. See: Defining Organization Parameters: page 2 – 13.

▶ **To set up lot control in Oracle Work in Process:**

- Use the Work in Process Parameters window to set up lot control in Oracle Work in Process. You choose the option by which Oracle Work in Process defaults and verifies lot numbers during backflush transactions. You also specify the method by which Oracle Work in Process defaults lot numbers on discrete jobs for lot controlled assemblies. See: Overview of Material Control and Overview of Shop Floor Control, *Oracle Work in Process User's Guide*.

See Also

Assigning Lot Numbers: page 7 – 23

Maintaining Item Lot Information: page 5 – 149

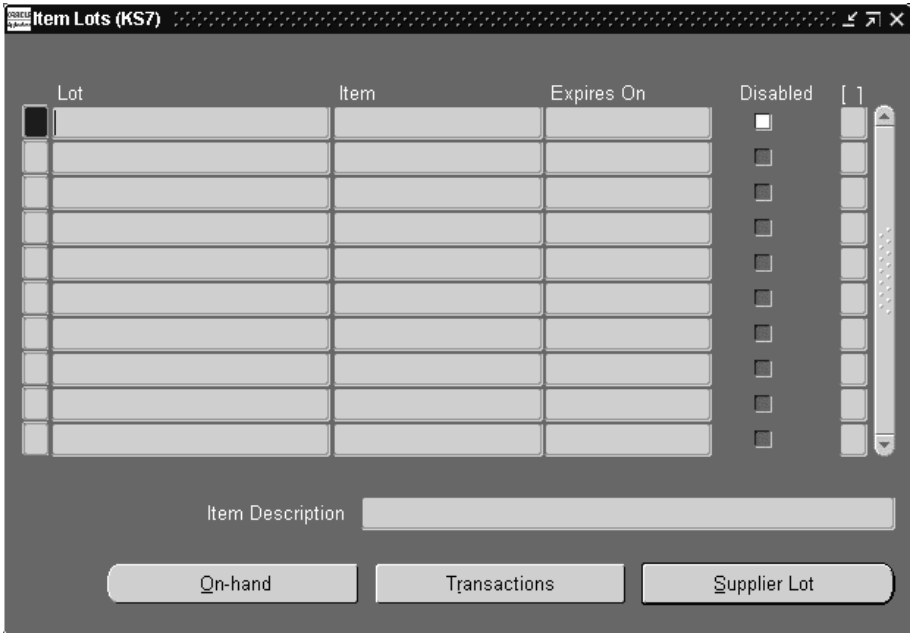
Lot Control: page 5 – 144

Maintaining Item Lot Information

You can update the disable status and expiration date associated with item lot information.

▶ **To display item lot information:**

1. Navigate to the Item Lots window. The Find Lots window appears.
2. Enter search criteria. If you do not enter criteria, a query for all lots is performed.
3. Choose the Find button to display the lot and item information in the Item Lots window.



▶ **To update expiration date and disable status information:**

1. Enter an expiration date. You can enter a value here if the item is under Lot Expiration (shelf life) control.
2. Indicate whether the lot is disabled.
3. Save your work.

▶ **To view supplier lot information:**

- Choose the Supplier Lot button. The Supplier Lots window appears.

▶ **To view material transactions for an item lot:**

1. Select an item and lot.
2. Choose the Transactions button. See: Viewing Material Transactions: page 7 – 42.

▶ **To view on–hand availability for an item lot:**

1. Select an item and lot.
2. Choose the On–hand button. The Find On–hand Quantities window appears. See: Viewing On–hand Quantities: page 8 – 4.

See Also

Lot Control: page 5 – 144

Searching for Information, *Oracle Applications User's Guide*

Lot Control Reports

Oracle Inventory provides the following reports for tracking lots.

Lot Transactions Register

You can use the Lot Transactions Register to report comprehensive lot number material transaction detail within a specific date range. You can run the report for a range of lots, items, transaction types, transaction reasons and subinventories. You can also specify a specific category set and display transaction quantities in their primary or transacted unit of measure. See: Lot Transaction Register: page 15 – 10.

Supplier Lot Trace Report

You can use the Supplier Lot Trace Report to trace a specific lot to its supplier lots. You can run the report for a range of lot numbers and items and a specific supplier lot number. The report shows you the lot material transactions related to the selected items and prints inventory items, lot numbers, transaction dates, and transaction quantities. See: Supplier Lot Trace Report: page 15 – 66.

Expired Lots Report

You can use the Expired Lots Report to show lots in your organization that expire on or before the date you specify. You can run the report for a range of items or for a specific item only. See: Expired Lots Report: page 15 – 46.

Serial Number Control

Oracle Inventory provides complete serial number support for inventory transactions. You can enable serial number control for specific items in your inventory. For items under serial number control, you assign unique serial numbers to individual units and thereafter reference the same serial numbers each time you perform material transactions. This allows you to have tight control over every unit of every item in your inventory. If your item is under dynamic entry *At sales order issue*, you can only assign serial numbers when you perform a shipment transaction in Oracle Shipping Execution.

Serial Number Validation

Oracle Inventory enables you to perform two optional validations for serial numbers that have been used in Oracle Work in Process. This validation is enabled by setting the profile option, Inventory: Restrict Receipt of Serials to Yes.

- Validation of serialized components:

  Enabling the profile option will validate that a given serial number for an item may not be received via purchase order receipt, miscellaneous receipt, or account alias receipt, if that same serial number has been issued to Oracle Work In Process.

- Validation of serialized end–assemblies:

  Enabling the profile option will validate that a given serial number for an end assembly item may not be completed into Oracle Inventory for a Discrete Job, Repetitive Schedule, Flow Schedule, and Work Order–less Completion, if that same serial number has a state of, Issued out of stores.

Maintaining Serial Number

You can use the Serial Numbers window to update supplier information associated with your serial numbers. You can view all serial numbers you created in your current organization and the state and supplier lot information associated with them. See: Maintaining Serial Number Information: page 5 – 161.

Issuing Material from Inventory

If you issue items with a serial number control type of dynamic entry *At inventory receipt* or *Predefined*, you must choose from the list of serialized units that you have already received into inventory. If you

issue items with a serial number control type of dynamic entry *At sales order issue*, you must assign serial numbers when you ship the item against a sales order. See: Assigning Serial Numbers: page 7 – 24, Overview of Material Control, *Oracle Work in Process User's Guide*, Overview of Shop Floor Control, *Oracle Work in Process User's Guide*.

Cycle Counting

Oracle Inventory does not support cycle counting of items under serial number control.

Performing Physical Inventories

Oracle Inventory includes the serial numbers of the items to count in your physical inventory when it generates tags. You must assign serial numbers to all items under serial number control for which you enter counts in the Physical Inventory Tag Counts window. See Entering and Voiding Physical Inventory Tag Counts: page 13 – 14.

Assigning Serial Numbers to Assemblies

When you receive into inventory a completed assembly with a serial number control type of dynamic entry *At inventory receipt* or *Predefined*, you must assign a serial number in the WIP Completion Transaction window in Oracle Work in Process. You either accept the default serial number or enter another valid one. See: Overview of Assembly Completions and Returns, *Oracle Work in Process User's Guide*.

Returning Serialized Units to Suppliers

You can return serialized units to the supplier in the Enter Returns and Adjustments window. Oracle Inventory updates the serial number information with the purchase order number and transaction date of the return so that the location of the serialized unit is known.

When you receive replacement units, you can issue new serial numbers. When you receive repaired units, you should reference the original serial numbers so that Oracle Inventory can properly update the existing serial numbers. See: Entering Returns, *Oracle Purchasing User's Guide*.

Purging Serial Number Transactions

You can purge all serial number transaction information from your current organization. Note that the transactions must occur within closed accounting periods. See: Purging Transaction History: page 7 – 66.

See Also

Setting Up Serial Number Control

Before you can use serial number control, you must perform setup activities.

▶ **To set up serial number control:**

1. Establish serial number control for an item.

   You can establish serial number control for an inventory item when you define it. You can choose from *No contro*l, *Predefined* serial numbers, control *At inventory receipt*, or control *At sales order issue*. See: Inventory Attribute Group: page 5 – 43.

2. Establish serial number uniqueness.

   You use the Organization Parameters window to choose a type of serial number uniqueness for your organization. You can choose to enforce uniqueness *Within an organization*, *Within inventory items*, or *Across organizations*. Uniqueness applies only to the organization establishing the type of control.

   For example, suppose organization A establishes *Across organizations* as its serial number uniqueness type. Organization A cannot use a serial number already used by organization B. However, organization B, with a different type of control, can still use serial numbers already used by A. Thus, you would want to establish *Unique across organizations* for all organizations when you use it for one organization. See: Defining Organization Parameters: page 2 – 13.

3. Optionally, create predefined serial numbers.

   If you specified *Predefined* as the serial number control type for an item, you must predefine serial numbers for that item using the Generate Serial Numbers window. If you specified entry *At inventory receipt* or *At sales order issue*, you can optionally predefine serial numbers for the item.

   Oracle Inventory uses the starting serial number prefix and the starting serial number you specify in the Item window to load the number of predefined serial numbers you request. You can load as many serial numbers as you want for any item under serial number control. See: Generating Serial Numbers: page 5 – 157.

See Also

Assigning Serial Numbers: page 7 – 24

Maintaining Serial Number Information: page 5 – 161

Serial Number Control: page 5 – 152

Generating Serial Numbers

If you specified *Predefined* as the serial number control type for an item, you must predefine serial numbers for that item. If you specified entry *At inventory receipt* or *At sales order issue*, you can optionally predefine serial numbers for the item.

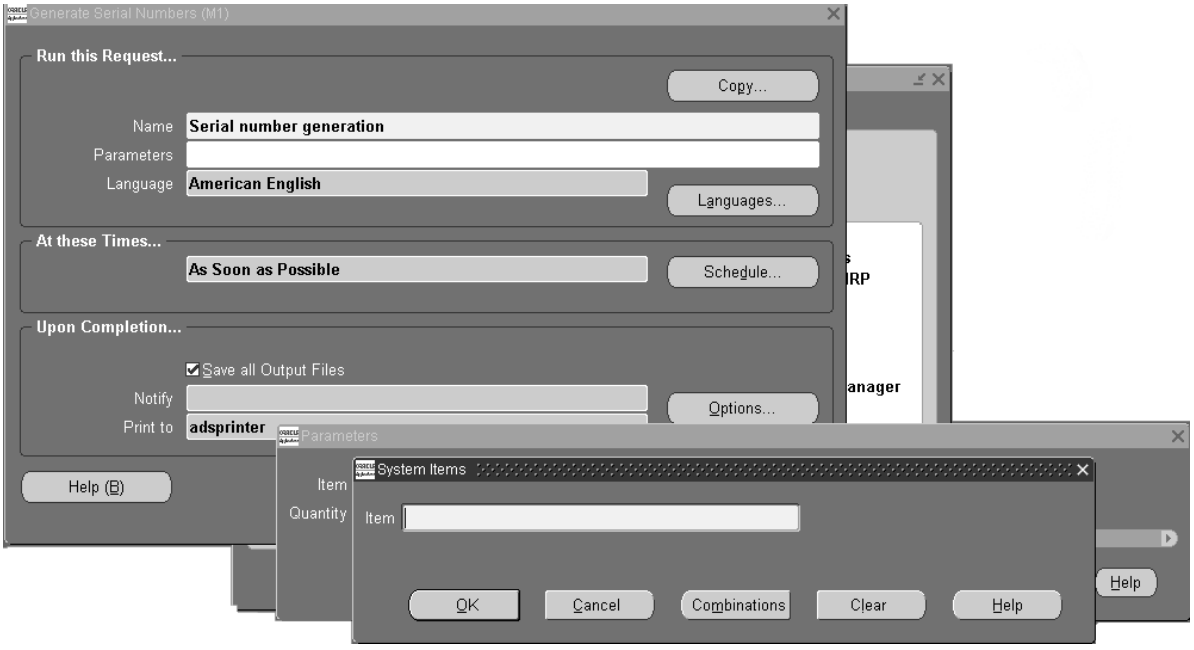
The process of generating serial numbers does not assign serial numbers to units in inventory, it simply reserves specific serial numbers for an item, for later use.

Prerequisites

- ❑ Establish serial number control for an item. See: Defining Items: page 5 – 6.

▶ **To generate serial numbers:**

1. Navigate to the Generate Serial Numbers or All Reports window.



2. Enter *Serial Generation* in the Name field. The Parameters window opens.

3. Enter an item. You can only enter items you have defined as serial number controlled.
4. Enter a quantity of serial numbers to define and reserve for the item. The quantity must be a positive integer.
5. Choose Submit to launch the process.

See Also

Serial Number Control: page 5 – 152

Serial Number Assignment: page 5 – 159

Serial Number Assignment

You must assign serial numbers whenever you receive items under serial number control into inventory. If an item is under *Predefined* control, you can choose from the list of predefined serial numbers for that item. If an item is under dynamic entry *At inventory receipt*, you can choose from a predefined list of serial numbers or enter any serial number, depending on the uniqueness control for your organization. You can create and assign serial numbers individually or as a range to speed up data entry. If your item is under dynamic entry *At sales order issue*, you can only assign serial numbers when you perform a shipment transaction in Oracle Shipping Execution.

Once you assign a serial number to an item, the combination of the serial number and the item is an entity known as a serialized unit. From that point on, Oracle Inventory tracks all movements and maintains the following information for each serialized unit:

- Receipt or Ship Date

  The date on which you last performed a material transaction for your serialized unit. Material transactions update this information when you move your serialized unit.

- Serial State

  Oracle Inventory assigns one of the following states to your serialized unit: *Defined but not used*, *Resides in inventory*, *Issued out of inventory*, or *Resides in intransit*.

- Location

  The organization, subinventory, and locator in which the serialized unit currently resides. Material transactions update this information when you transfer the serialized unit.

- Revision level

  The revision of the item when you assign the serial number to the unit.

- Lot number

  During material transactions, you first specify the lot number and then the serial number. Oracle Inventory tracks the lot from which a specific serialized unit originates.

See Also

Assigning Serial Numbers: page 7 – 24

Overview of Inventory Transactions: page 7 – 2

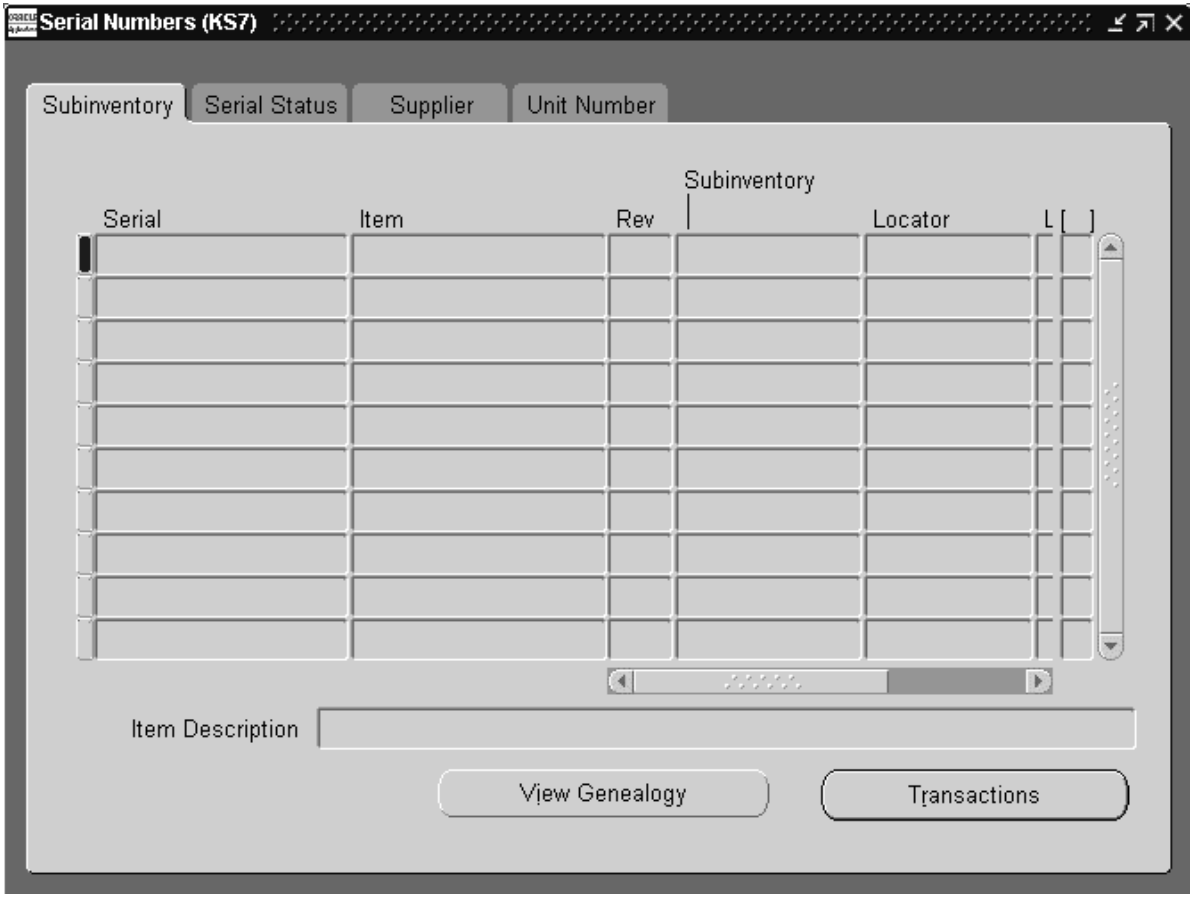
Serial Number Control: page 5 – 152

Maintaining Serial Number Information

You can view location and state information and update supplier information associated with your serialized units.

▶ **To display serial number information:**

1. Navigate to the Serial Numbers window. The Find Serials window appears.
2. Enter search criteria. If you do not enter criteria, a query for all serial numbers is performed.
3. Choose the Find button to display the serial number and item information in the Serial Numbers window.



▶ **To view location information:**

1. Choose the Subinventory tabbed region.
2. Review revision, subinventory, locator, and lot information.

▶ **To view the inventory state of the serialized unit:**

1. Choose the Serial State tabbed region.
2. Review state, receipt date, and ship date information.

   The inventory state of the serialized unit can be *Defined but not used*, *Resides in stores*, *Issued out of stores*, or *Resides in intransit*.

▶ **To update supplier information:**

1. Choose the Supplier tabbed region.
2. Enter the name, lot number, and serial number information of the supplier associated with the serialized unit.
3. Save your work.

▶ **To view the unit number of a serialized item:**

- If Oracle Project Manufacturing is installed and if you have enabled its end item model/unit effectivity feature, you can choose the Unit Number tabbed region to view the unit number of a serialized item. See: Model/Unit Effectivity, *Oracle Project Manufacturing Implementation Manual*.

  Note: The Unit Number tabbed region is visible only if you have installed Project Manufacturing.

▶ **To view the serial genealogy of a serialized item:**

- Choose View Genealogy. See: Viewing Serial Genealogy: page 7 – 90.

▶ **To view material transactions for a serialized unit:**

1. Select a serialized item.
2. Choose Transactions. See: Viewing Material Transactions: page 7 – 42.

See Also

Serial Number Control: page 5 – 152

Assigning Serial Numbers: page 7 – 24

Viewing Transaction Summaries: page 7 – 45

Searching for Information, *Oracle Applications User's Guide*

Serial Number Control Reports

Oracle Inventory provides the following inquiries and reports for tracking serial numbers.

Serial Number Transactions Register

You can use the Serial Number Transactions Register to report comprehensive serial number material transaction detail within a specific date range. You can run the report for a range of serial numbers, items, transaction types, transaction reasons, and subinventories. You can also specify a specific category set and display transaction quantities in their primary or transacted unit of measure. See: Serial Number Transaction Register: page 15 – 23.

Serial Number Detail Report

You can use the Serial Number Detail Report to report on information about current serialized units in your organization for a specific source type and / or serialized unit state. Oracle Inventory lets you run the report for a range of serial numbers, items, suppliers, and supplier serial numbers. See: Serial Number Detail: page 15 – 63.

CHAPTER

6 Transaction Setup

Overview of Transaction Setup

You must set certain controls and options before performing inventory transactions. These include:

- Setting transaction profile options: These establish the method of transaction processing to occur while you wait, on a periodic basis, or concurrently while you work. See: Setting Transaction Processing Profile Options: page 6 – 4.
- Launching transaction managers: Transaction managers execute a variety of transaction processes. They run at periodic intervals you specify until you delete them with the concurrent manager. See: Launching Transaction Managers: page 6 – 7.
- Setting control options and restrictions: You can specify whether an item is under lot, serial, or revision control. If control is enabled, you must enter a valid lot number, serial number, or revision number to receive or issue the item. See: Control Options and Restrictions: page 6 – 10.
- Defining subinventory and locator defaults: You can specify default shipping and receiving subinventories and locators for your items. See: Defining Default Subinventories and Locators: page 6 – 11.
- Converting units of measure: If you want to perform material transactions in units of measure other than the primary unit of measure of an item, you must define unit of measure conversions. See: Converting Units of Measure: page 6 – 11.
- Defining transaction source types: A transaction source type is the type of entity against which Oracle Inventory charges a transaction. Along with a transaction action, it uniquely identifies the type of transaction you perform. See: Defining and Updating Transaction Source Types: page 6 – 12.
- Defining transaction types: A transaction type is the combination of a transaction source type and a transaction action. It is used to classify a particular transaction for reporting and querying purposes. See: Defining and Updating Transaction Types: page 6 – 19.
- Defining transaction reasons: These are standard codes you use to classify your transactions. See: Defining Transaction Reasons: page 6 – 22.
- Defining account aliases: These are easily recognized names or labels representing a general ledger account number. You can

view, report, and reserve against an account alias. See: Defining Account Aliases: page 6 – 24.

- Defining your shipping network: You can move material between two organization by means of inter–organization transfers. To define your shipping network you establish the relationships and accounting information that exists between a shipping (*from*) organization that ships inventory to a destination (*to*) organization. See: Defining Inter–Organization Shipping Network: page 6 – 27.
- Defining shipping methods: You must define shipping methods if you want to set lead times for these methods in the Inter–org Shipping Methods window. See: Defining Shipping Methods: page 6 – 32.
- Defining the parameters for gathering movement statistics. Inventory uses this information to validate entry of statistical movement transactions and to properly report the information. See: Defining Movement Statistics Parameters: page 6 – 36
- Defining economic zones. You define the economic zones in which you conduct your business and associate these zones with specific countries. See: Defining Economic Zones: page 6 – 34.
- Defining intercompany relations between two operating units in a multi–organization environment. These operating units are the Shipping organization and the Selling organization. See: Defining Intercompany Relations: page 6 – 39.

See Also

Overview of Inventory Transactions: page 7 – 2

Setting Transaction Processing Profile Options

Oracle Inventory provides you with the following transaction processing profiles:

- Cycle Count Approvals
- Cycle Count Entries
- Enter Replenishment Count
- Inter–Organization Transfer
- Miscellaneous Issue and Receipt
- Receive Customer Returns
- Return to Customer
- Transaction Processing Mode
- Transfer Between Subinventories
- Update Average Cost
- Server Side On–line Processing

Transaction Processing Mode

You can set processing control globally for all transactions or you can choose different options for each type of transaction. You establish the method of transaction processing by choosing one of the following options when you set up your TP:INV Transaction Processing Mode profile:

On–line processing	Processes transactions while you wait and returns control to you once it finishes.
Background processing	Returns control immediately to you. With this option, Oracle Inventory processes transactions on a periodic basis via the Inventory Transaction Manager.

Immediate concurrent processing	Spawns a concurrent process when you commit the transaction and returns control immediately to you, allowing you to continue working.
Form level processing	.Processes transactions using the processing control option you choose for that particular type of transaction. 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.

Form Level Processing

If you choose Form level processing for the Transaction Processing Mode profile you can set up different processing controls for each type of transaction.

On–line Processing

If you use *On–line processing*, you can choose whether transactions are processed on the server or client side by setting the Server Side On–line Processing profile. The default value is server side processing.

Inventory Remote Procedure Manager

Server side on–line processing uses the Inventory Remote Procedure Manager to allow a transaction initiated on the client to process on the server. System managers maintain the Remote Procedure Manager. See: Administer Concurrent Managers Window, *Oracle Applications Systems Administrator's Guide*.

If you receive an error message saying that the manager is not available, you either need to restart the manager or increase the number of processes the work shift can handle. You update a manager's work shift process using the Concurrent Managers window. See: Concurrent Managers Window, *Oracle Applications System Administrator's Guide*.

An error message saying that no manager is defined may indicate that you have added a new data group and have not added a new Remote

Procedure Manager for it. Inventory is installed with one Remote Procedure Manager for the Standard data group. (See: Data Groups Window, *Oracle Applications System Administrator's Guide*.) If you add a new data group, you must define a new Remote Procedure Manager for it, referencing the same library and the same worker information as the seeded Remote Procedure Manager for the Standard data group.

Recommended Use

If you have many material transactions to process, it is recommended that you use *Concurrent processing* or *Background processing* to save on time you might spend idle while Inventory locks the transaction window and processes transactions. These processing options provide quick turnaround depending on how you configured your concurrent manager and how frequently you have specified your transaction manager to wake up. Even if Inventory does not fully process your transactions, you can always transact against them because Inventory updates all available to transact quantities after a transaction undergoes form validation. However, Inventory does not display unprocessed transactions in transaction reports and inquiries.

You can also use the transaction manager to process transactions entered in the open transaction interface via custom entry forms or data collection devices, such as bar code readers.

See Also

Open Transaction Interface, *Oracle Manufacturing Implementation Manual*

Launching Transaction Managers: page 6 – 7

Oracle Inventory Profile Options: page 1 – 26

Launching Transaction Managers

The transaction managers execute the following processes: material transaction, demand reservation, move transaction, resource cost transaction, remote procedure call, and material cost transaction. These run at periodic intervals you specify until you delete them with the concurrent manager. They control the number of transaction workers, processing intervals, and number of transactions processed by each worker during each interval. For descriptions of the available managers see: Transaction Managers: page 6 – 9.

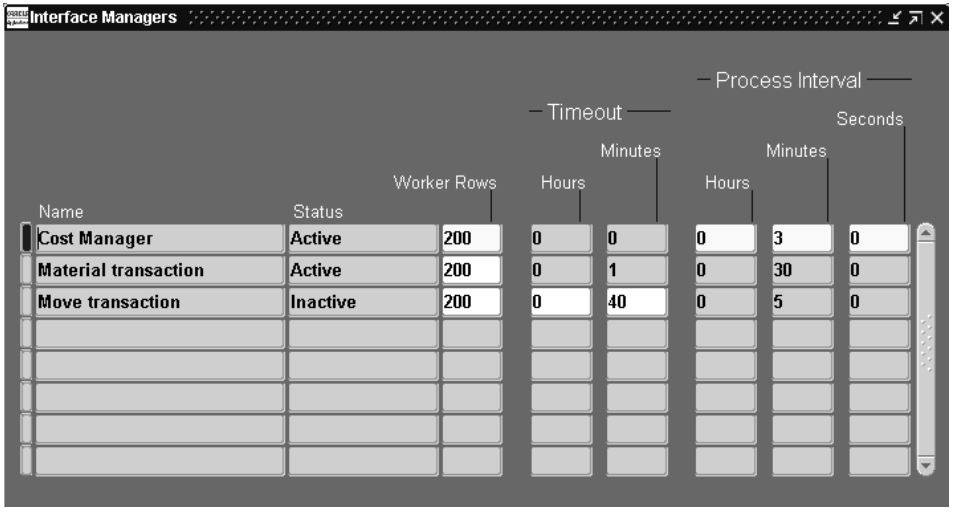
You must start the material cost transaction manager to cost material transactions. This manager processes costing of all material transactions. You must also start the move transaction manager so that assemblies received from an outside processing supplier can be moved to the next operation.

You do not have to launch these transaction managers if you decide to process all your transactions on–line and do not use the transaction interface.

The use of multiple transaction workers enables parallel processing of transactions. This is especially helpful when processing a large batch of transactions.

▶ **To view and update the transaction managers:**

1. Navigate to the Interface Managers window. All existing transaction managers and their current status are displayed.



2. Enter the maximum number of rows to assign to the worker.
3. *For WIP Move Transactions only*: Specify the processing timeout in hours and minutes. After this time the move transaction manager no longer processes pending transactions and marks them as an error.
4. Save your work.

▶ **To launch a transaction manager:**

1. Select a transaction manager in the Interface Managers window.
2. Choose Launch Manager from the Tools menu.

   The Launch Inventory Managers window appears displaying the transaction manager you choose as the process to be submitted.

   Note: If the transaction manager is already active, Oracle Inventory displays a warning before displaying the new window.
3. Select a resubmit level.

   You can enter the start date and time to resubmit the transaction manager or an interval of time that the transaction manager polls the interface table for pending transactions.
4. Choose Submit.

▶ **To see your changes reflected in the Interface Managers window:**

- Requery the Interface Managers window.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Open Transaction Interface, *Oracle Manufacturing Implementation Manual, Release 10*

Transaction Managers: page 6 – 9

Defining Managers and their Work Shifts, *Oracle Applications System Administrator's Guide*

Transaction Managers

Material transaction

The material transaction manager immediately executes a material transaction after you save your changes in a transaction window. By starting the transaction manager, you can determine how to execute transactions: immediately through immediate concurrent request submissions, or through periodic concurrent request submissions. You define this transaction mode for individual transaction windows in the Personal Profile Values window.

See: Setting Transaction Processing Profile Options: page 6 – 4.

Move transaction

The move transaction manager processes move transactions in Oracle Work in Process and move transactions you import from devices such as portable bar code readers or your custom data entry forms using the Open Move Transaction Interface.

Resource cost transaction

The resource cost transaction manager processes resource transactions in Oracle Work in Process and resource transactions you import from barcode readers, payroll systems, time cards, routing sheets, and custom data entry forms using the Open Resource Transaction Interface.

Material cost transaction

The material cost transaction manager costs material transactions in Oracle Inventory and Oracle Work in Process in the background.

See Also

Launching Transaction Managers: page 6 – 7

Setting Transaction Processing Profile Options: page 6 – 4

Overview of Transaction Setup: page 6 – 2

Defining Managers and their Work Shifts, *Oracle Applications System Administrator's Guide*

Control Options and Restrictions

You must set the following options and restrictions before performing inventory transactions:

Locator Control

You can use locator control if you divide your subinventories into physical areas such as aisle, rack, or bin locations. You can turn on locator control for the whole organization, for a specific subinventory, or a particular item.

During a material transaction, Oracle Inventory checks the locator control options you have specified. If locator control is enabled, you must enter a valid locator into which to receive or from which to issue the item you are transacting. See: Defining Organization Parameters: page 2 – 4, Defining Items: page 5 – 6, and Defining Subinventories: page 2 – 27.

Lot Control

You can enable lot control for specific items in your inventory and optionally assign expiration dates to them. If you enable lot control for an item, you must assign lot numbers when you receive the item into inventory. Thereafter, when you transact this item, you must provide a lot number when receiving the item. See: Lot Control: page 5 – 144, and Defining Items: page 5 – 6.

Serial Number Control

You can enable serial number control for specific items in your inventory to track individual units. If you enable serial number control for an item, you must provide a serial number when you transact it. See: Serial Number Control: page 5 – 152, and Defining Items: page 5 – 6.

Revision Quantity Control

You can define and enforce revision quantity control for any item to track quantities by revision. If you enable revision quantity control for an item, you must provide a revision number when you transact it. See: Defining Items: page 5 – 6.

Subinventory and Locator Restrictions

If a number of your items have fixed locators where you stock them, you can restrict the subinventories and locators they are transacted to and from by defining a list of valid subinventories and locators for your item. See: Assigning Subinventories to an Item: page 5 – 127, and Assigning Items to a Subinventory: page 5 – 130.

Then use the Items windows to enable the item attributes restricting the item to a list of subinventories and locators, all Inventory transaction windows ensure that you transact the item to and from a subinventory and locator included in the restricted list. See: Defining Items: page 5 – 6 and Defining Subinventories: page 2 – 27.

Defining Default Subinventories and Locators

If you want your Oracle applications products to default subinventories and locators during shipping and receiving transactions, use the Item Transaction Defaults window to define default shipping and receiving subinventories and locators for your items. If you have already defined a restricted list of subinventories and locators for your item, you must choose a default subinventory and locator from that list.

Oracle Order Management displays the default shipping subinventory and locator when you perform a shipment transaction where the OE:Reservations system profile option is set to *No.* Oracle Purchasing displays the default receiving subinventory and locator when you perform a receipt transaction for the item. You can always override the defaults. See: Defining Item Transaction Defaults: page 5 – 135.

Converting Units of Measure

If you want to perform material transactions in units of measure other than the primary unit of measure of an item, you must define unit of measure conversions. Oracle Inventory tracks transaction quantities for your items in both the primary unit of measure and the transaction unit of measure. See: Defining Unit of Measure Conversions: page 3 – 7.

Transaction Source Types

A transaction source type is the type of entity against which Oracle Inventory charges a transaction. Along with a transaction action, it uniquely identifies the type of transaction you perform. Oracle Inventory provides the following predefined transaction source types:

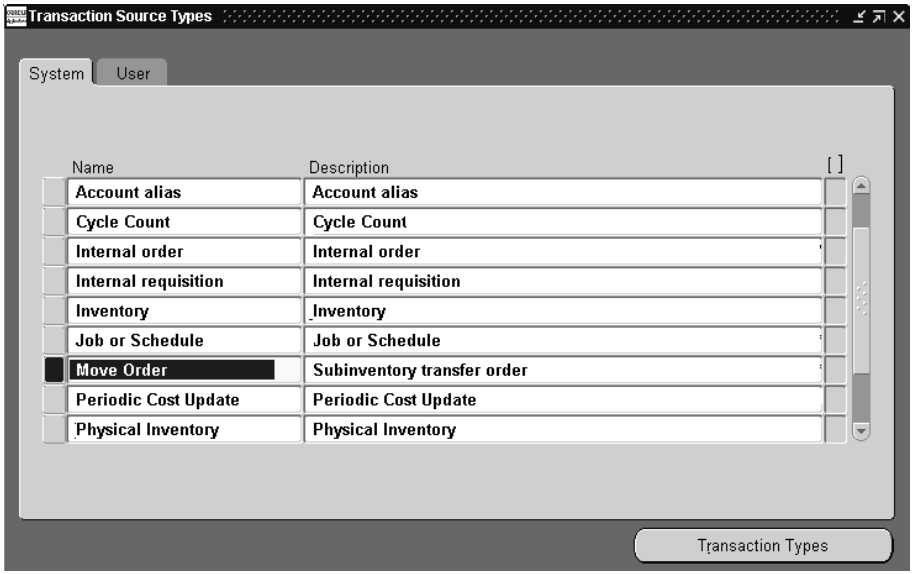
- Account
- Account Alias
- Cycle Count
- Internal Order
- Internal Requisition
- Inventory
- Job or Schedule
- Move Order
- Periodic Cost Update
- Physical Inventory
- Purchase Order
- RMA (Return Material Authorization)
- Sales Order
- Standard Cost Update

You can define additional transaction source types in the Transaction Source Types window. You can then use these user–defined transaction source types and predefined transaction actions to define a new transaction type. This user–defined transaction type is now a customized form of tracking transactions with which you can group and sort reports and inquiries. When you perform a transaction, you specify a transaction type and a source. For example, for a PO receipt transaction, the transaction source type is *Purchase Order* and the actual PO number is the source.

Defining and Updating Transaction Source Types

Oracle Inventory predefines a list of transaction source types for you. You can add more source types to this list or update the predefined types, however, you cannot delete the predefined types. You can add

source types for miscellaneous transactions, inter–organization and subinventory transfers, and account transactions.



▶ **To update a system–defined transaction source type:**

1. Navigate to the Transaction Source Types window.
2. Select the System Defined tabbed region.
3. Update the name or description for a source type.
4. Save your work.

▶ **To create a user–defined transaction source type:**

1. Select the User Defined tabbed region.
2. Enter a unique name for the transaction source type.
3. Select a validation type:

   None: Do not validate the source against a predefined list of values.

   Value Set: Validate the source against a predefined list of values.
4. If you select *Value Set* in the Type field, navigate to the Context field and select a valid context field value associated with the Transaction Source descriptive flexfield.

Attention: Values for this field are defined for the Transaction Source descriptive flexfield in the Descriptive Flexfield Segments window. See: Descriptive Flexfield Segments Window and Overview of Values and Value Sets, *Oracle Applications Flexfields Guide.*

5. Save your work.

▶ **To make a user–defined source type inactive:**

1. Select the User Defined tabbed region.
2. Enter the date on which the source type becomes inactive.

   As of this date, you can no longer use the source type.

▶ **To delete a user–defined source type:**

- You can delete a source type if it is not associated with a transaction type.

▶ **To navigate to the Transaction Types window:**

- Choose the Transaction Types button. See: Defining and Updating Transaction Types: page 6 – 19.

See Also

Transaction Source Types: page 6 – 12

Transaction Types: page 6 – 16

Transaction Actions: page 6 – 15

Transaction Actions

A transaction action is a generic type of material movement or cost update with no specificity regarding the source of the transaction. Along with a transaction source type, a transaction action identifies a transaction type. Oracle Inventory provides the following transaction actions:

- Issue from stores
- Subinventory transfer
- Direct organization transfer
- Cycle count adjustment
- Physical inventory adjustment
- Intransit receipt
- Intransit shipment
- Cost update
- Receipt into stores
- Delivery adjustments
- WIP assembly scrap
- Assembly completion
- Assembly return
- Negative component issue
- Negative component return
- Staging Transfer

See Also

Defining and Updating Transaction Types: page 6 – 19

Transaction Types: page 6 – 16

Transaction Source Types: page 6 – 12

Transaction Types

A transaction type is the combination of a transaction source type and a transaction action. It is used to classify a particular transaction for reporting and querying purposes. Oracle Inventory also uses transaction types to identify certain transactions to include in historical usage calculations for ABC analysis or forecasting.

The following table presents predefined transaction types:

Transaction Types	Transaction Actions	Transaction Source Types
Purchase order receipt	Receipt into stores	Purchase order
Return to supplier from stores	Issue from stores	Purchase order
Purchase order delivery adjustment	Delivery adjustments	Purchase order
Sales order issue	Issue from stores	Sales order
Sales order staging transfer	Staging transfer	Sales order
Move order issue	Issue from stores	Move order
Move order sub transfer	Subinventory transfer	Move order
Account receipt	Receipt into stores	Account
WIP assembly return	Assembly return	Job or schedule
WIP cost update	Cost update	Job or schedule
WIP component issue	Issue from stores	Job or schedule
WIP component return	Receipt into stores	Job or schedule
WIP assembly completion	Assembly completion	Job or schedule
Replenish supply subinventory	Subinventory transfer	Job or schedule
WIP assembly scrap	WIP assembly scrap	Job or schedule
Account alias issues	Issue from stores	Account alias
Account alias receipts	Receipt into stores	Account alias
Internal requisition intransit receipt	Intransit receipt	Internal requisition
Internal requisition delivery adjustment	Delivery adjustments	Internal requisition
Internal order issue	Issue from stores	Internal order
Internal order subinventory transfer	Subinventory transfer	Internal order

Transaction Types	Transaction Actions	Transaction Source Types
Internal order direct organization transfer	Direct organization transfer	Internal order
Internal order intransit shipment67k	Intransit shipment	Internal order
Internal order staging transfer	Staging transfer	Internal order
Cycle count adjustments	Cycle count adjustment	Cycle count
Physical inventory adjustment	Physical inventory adjustment	Physical inventory
Standard cost update	Cost update	Standard cost update
Receipt of customer return	Receipt into stores	RMA
Rejection of customer returns	Issue from stores	RMA
Inventory subinventory transfer	Subinventory transfer	Inventory
Inventory direct organization transfer	Direct organization transfer	Inventory
Inventory intransit receipt	Intransit receipt	Inventory
Inventory intransit shipment	Intransit shipment	Inventory
Miscellaneous issue	Issue from stores	Inventory
Miscellaneous receipt	Receipt into stores	Inventory
Inventory delivery adjustment	Delivery adjustments	Inventory
Average cost update	Cost update	Inventory
WIP negative component issue	Negative component issue	Job or schedule
WIP negative component return	Negative component return	Job or schedule
Inter–project Borrow	Subinventory transfer	Inventory
Inter–project Payback	Subinventory transfer	Inventory
Inter–project Transfer	Subinventory transfer	Inventory

Use the Transaction Types window to define additional transaction types to customize transaction entry. A user–defined transaction type is a combination of a user–defined transaction source type and a predefined transaction action. For example, if you frequently donate items to charity, you might want to define a transaction source type

called ”Charity” and a transaction type called ”Issue to Charity”. In this case, the transaction action would be *Issue from Stores*. You would then use the Miscellaneous Transactions window to actually issue an item to charity, using the ”Issue to Charity” transaction type. You would also specify the actual charity to which you are issuing, such as Goodwill, and the expense account that specifies the source (Goodwill).

You must specify a transaction type when you perform a miscellaneous receipt or issue, a subinventory transfer, a WIP transaction, or an inter–organization transfer. Therefore, when you create a user–defined transaction type, you can only choose one of the following transaction actions and transaction source types:

Transaction Actions

- Issue from stores
- Subinventory transfer
- Direct organization transfer
- Intransit shipment
- Cost update
- Receipt into stores
- Negative component issue
- Negative component return
- Staging transfer
- WIP assembly scrap
- Assembly completion
- Assembly return

Transaction Source Types

- Job or Schedule
- Account
- Account Alias
- Inventory
- User–defined
- Move Order

Oracle Inventory provides transaction reporting and querying capabilities by transaction type.

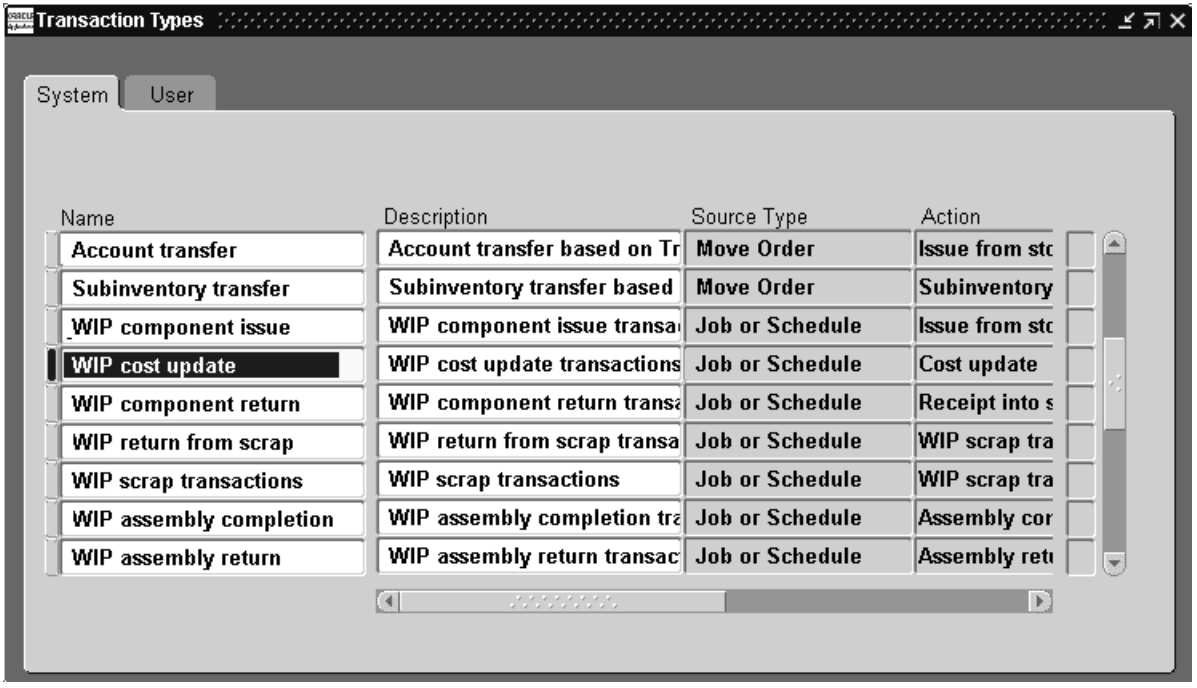
See Also

Defining and Updating Transaction Types: page 6 – 19

Transaction Actions: page 6 – 15

Defining and Updating Transaction Types

You define transaction types by combining transaction actions and transaction source types. You define transaction source types in the Transaction Source Types window. Oracle Inventory provides the list of transaction actions.



▶ **To create a user–defined transaction type:**

1. Navigate to the Transaction Types window.
2. Select the User Defined tabbed region.
3. Enter a unique name for the transaction type.
4. Enter a transaction source type.

This field does not appear if you navigate from the Transaction Source Types window.

5. Select a transaction action. The combination of the transaction source type and the transaction action limits the transaction type.
6. Check Project to enable this transaction type for project use.
7. Save your work.

▶ **To update a system–defined transaction type:**

1. Select the System Defined tabbed region.
2. Update the name or description for a transaction type. You cannot modify the source type information.
3. Save your work.

▶ **To make a user–defined transaction type inactive:**

- Enter the date on which the transaction type becomes inactive.

  As of this date, you can no longer use the transaction type in a transaction.

▶ **To enable Shortage Alerts and Shortage Notifications:**

You can choose to receive an online shortage alert, a workflow–based notification, or both for system–defined and user–defined transaction types that have transaction actions of:

- Receipt into stores
- Intransit receipt
- Direct organization transfer
- Assembly completion
- Negative component issue

- Check the box to select which transaction action types will generate material shortage alerts and notifications. See: Material Shortage Alerts and Shortage Notifications: page 7 – 26.

See Also

Defining and Updating Transaction Source Types: page 6 – 12

Transaction Types: page 6 – 16

Transaction Actions: page 6 – 15
Transaction Source Types: page 6 – 12

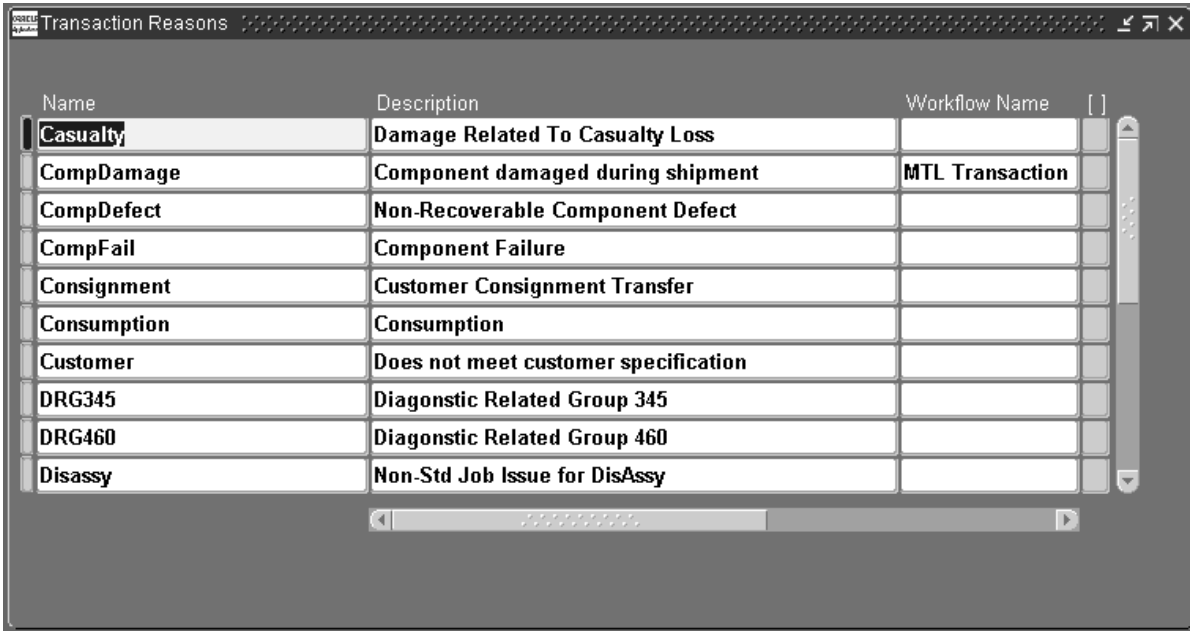
Defining Transaction Reasons

A transaction reason is a standard means of classifying or explaining the reason for a transaction. Transaction reasons can be used in all transaction forms.

You can use these standard transaction reasons with any type of material transaction. Oracle Inventory provides transaction reporting and inquiring capabilities by transaction reason.

▶ **To define a transaction reason:**

1. Navigate to the Transaction Reasons window.



2. Enter a unique name for the transaction reason.

   For example, you could define the following reasons to classify adjustment transactions you enter during your cycle count or physical inventory: Theft, Misplaced items, and Damaged items.

3. Save your work.

▶ **To make a transaction reason inactive:**

- Enter the date on which the transaction reason becomes inactive.

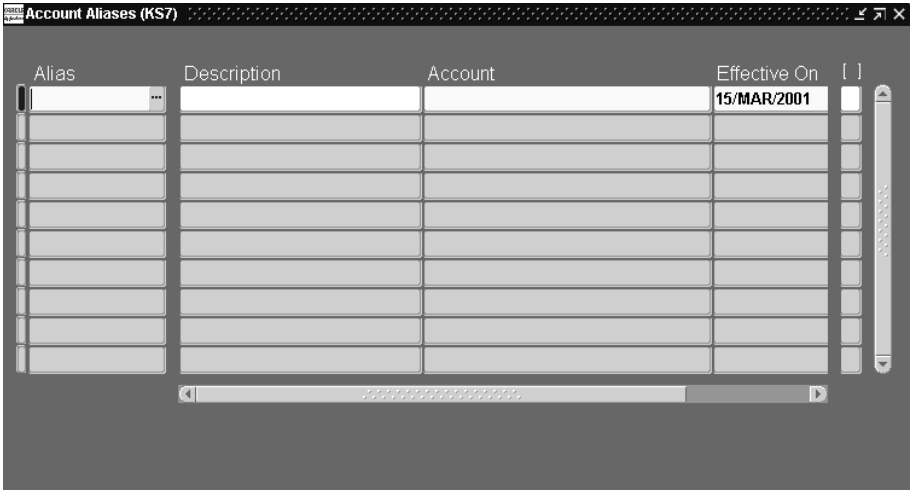
As of this date, you can no longer assign the reason to a transaction.

Defining Account Aliases

An account alias is an easily recognized name or label representing a general ledger account number. You can view, report, and reserve against an account alias. During a transaction, you can use the account alias instead of an account number to refer to the account.

▶ **To define an account alias:**

1. Navigate to the Account Aliases window.



2. Enter a unique account alias name derived from concatenated segments of the account alias name key flexfield.
3. Enter the general ledger account to which you charge all transactions that use this account alias. You can change this account only if the account alias has not been referenced.
4. Enter the effective date on which the account alias is enabled. Date must be greater than or equal to the current date.
5. Save your work.

▶ **To make an account alias inactive:**

- Enter the date on which the account alias becomes inactive. As of this date, you can no longer use the account alias. Date must be greater than or equal to both the effective date and the current date.

See Also

Defining Key Flexfield Segments, *Oracle Applications Flexfields Guide*

Inter–Organization Shipping Network

Use the Inter–Organization Shipping Network 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 each organization relationship you create, you must indicate what type of shipment is used. If you choose to use intransit inventory, Oracle Inventory moves material to intransit inventory before it reaches the destination organization when you perform an inter–organization transfer. Typically, you transfer material through intransit inventory when transportation time is significant. If you do not choose intransit inventory, Oracle Inventory moves your material directly to the destination organization when you perform an inter–organization transfer. You must also specify whether internal orders are required from the destination organization to perform inter–organization transfers. Oracle Inventory does not allow you to perform inter–organization transfers using the Transfer Between Organizations window to an organization that requires internal requisitions. See: Overview of Internal Requisitions, *Oracle Purchasing User's Guide*.

If you choose to use intransit inventory, you must specify which organization has ownership of the inventory while intransit. You must also specify the primary receiving routing: Standard receipt to a receiving location, standard receipt with inspection, or direct receipt to the final destination.

Regardless of the intransit type, you must define an inter–organization transfer charge type. You can choose to add a predefined percentage of the transaction value, to enter a discrete percentage of the transfer value, to enter a discrete value to add when you perform the inter–organization transfer, or not to add transfer charges at all.

Also, you must provide general ledger accounts to record debits and credits involved in an inter–organization transfer.

Finally, you can optionally define shipping methods in the Ship Method QuickCodes window and then enter lead times for these shipping methods in the Inter–org Shipping Methods window. These lead times are used by MRP. See: Defining Bills of Distribution, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

Oracle Inventory defaults the shipping information you entered in the Organization Parameters window when you create new organization relationships in the Inter–Organization Shipping Network window.

See Also

Defining Freight Carriers: page 2 – 42

Defining Inter–Organization Shipping Network: page 6 – 27

Defining Shipping Methods: page 6 – 32

Defining Sourcing Rules, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*

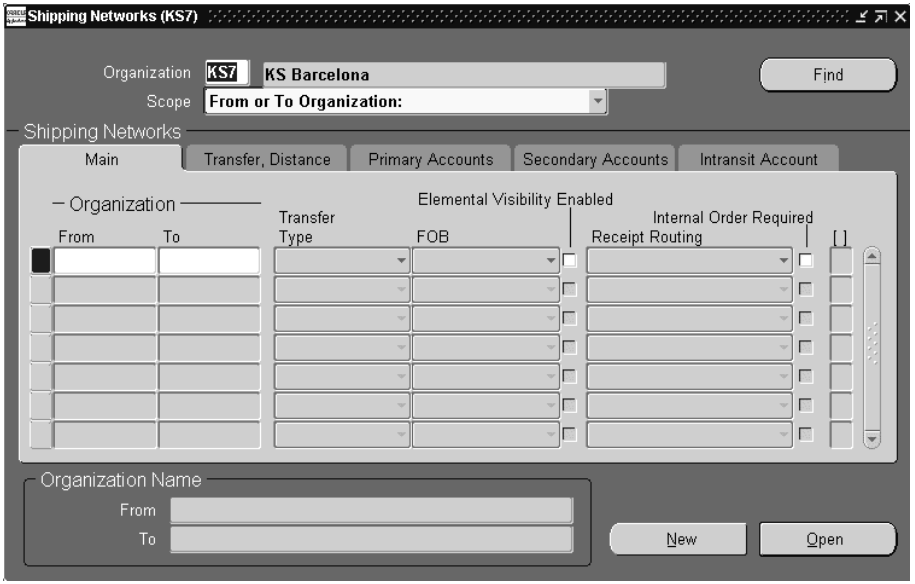
Defining Inter–Organization Shipping Networks

Inter–organization shipping network information describes the relationships and accounting information that exists between a shipping (*from*) organization that ships inventory to a destination (*to*) organization.

Depending on the function security assigned to your responsibility, you can define a shipping network between the current organization and another organization or between any two organizations. The function security assigned to your responsibility determines whether you have the ability to define shipping networks for all organizations or just the current organization. See: Overview of Function Security, *Oracle Applications System Administrator's Guide*.

▶ **To define shipping network basic information:**

1. Navigate to the Shipping Networks window.



2. Determine if the organization displayed is the *To Organization*, *From Organization*, or the *From or To Organization*.

   Note: If your function security allows multiple organization access, you can enter any organization. Otherwise, the Organization field is display only.

3. To define a new shipping network for the current organization choose New Record from the Edit menu. To enter a new record in a single–row window choose the New button.

   To find existing shipping network information for the current organization choose Find.

4. Select the Main tabbed region.

5. Enter the shipping or From organization.

6. Enter the destination or To organization.

7. Enter the transfer type:

   Direct: Inter–organization transfers move inventory directly from the shipping organization to the destination organization.

   Intransit: Inter–organization transfers move inventory to intransit inventory first. You can track this inventory until it arrives at the destination organization.

8. If you selected *Intransit* in the Transfer Type field, select the FOB terms:

Receipt: The shipping organization owns the shipment until the destination organization receives it.

Shipment: The destination organization owns the shipment when the from organization ships it (and while the shipment is in transit).

9. If you selected *Intransit* in the Transfer Type field, select a receipt routing option:

   Standard: Receive this item first, then deliver without inspection.

   Direct: At receipt, deliver this item directly to its location.

   Inspection: Receive this item first, inspect it, then deliver.

10. Indicate whether an internal order is required for each transfer.

11. Save your work.

▶ **To define transfer charge information:**

1. Select the Transfer, Distance tabbed region.

2. Select the inter–organization transfer charge type for calculating transfer charges:

   None: Do not add transfer charges.

   Predefined Percent: Automatically add a predefined percent of the transaction value.

   Requested Value: Enter a discrete value to add.

   Requested Percent: Enter a discrete percentage of the transfer value to add.

   The default value is the value you defined in the Organization Parameters window for the shipping organization. See: Defining Organization Parameters: page 2 – 20.

3. If you selected *Predefined Percent* in the Transfer Charge Type field, enter the percentage value to add to a material transfer. For example, a value of 10 equals a transaction value of 10%.

   The default value is the value you defined in the Organization Parameters window for the shipping organization. See: Defining Organization Parameters: page 2 – 20.

4. Optionally, you can define the following:

   - Enter the unit of measure for the distance from the shipping organization to the destination organization.

- Enter the distance value (in the unit of measure) from the shipping organization to the destination organization.

▶ **To define account information:**

1. Select the Primary Accounts tabbed region.
2. Enter the general ledger transfer credit account used to collect transfer charges for the shipping organization

   The default value is the value you defined in the Organization Parameters window for the shipping organization. See: Defining Organization Parameters: page 2 – 20.
3. Enter the general ledger account used to collect the purchase price variance for inter–organization receipts into standard cost organizations. You must enter an account if your receiving organization is using standard costing.

▶ **To enter additional account information:**

1. Select the Secondary Accounts tabbed region.

   Note: The default values for the following fields are the values you defined in the Organization Parameters window for the shipping and destination organizations. See: Defining Organization Parameters: page 2 – 20.
2. Enter the general ledger receivables account used as an inter–organization clearing account for the shipping organization. The inter–organization receivable account for the shipping organization should equal the inter–organization payables account for the receiving organization.
3. Enter the general ledger payables account used as an inter–organization clearing account for the receiving organization. The inter–organization receivable account for the shipping organization should equal the inter–organization payables account for the receiving organization.

▶ **To enter intransit account information**

1. Select the Intransit Account tabbed region.
2. Enter the general ledger account used to hold the intransit inventory value.

▶ **To enter intransit lead time for shipping methods:**

1. Select Shipping Methods on the Tools menu to open the Inter–org Shipping Methods window.
2. Enter the shipping method for which you want to associate an intransit lead time for the displayed from and to organizations. See: Defining Shipping Methods: page 6 – 32.
3. Enter the intransit lead time in days.
4. Save your work.

See Also

Inter–organization Shipping Network: page 6 – 26

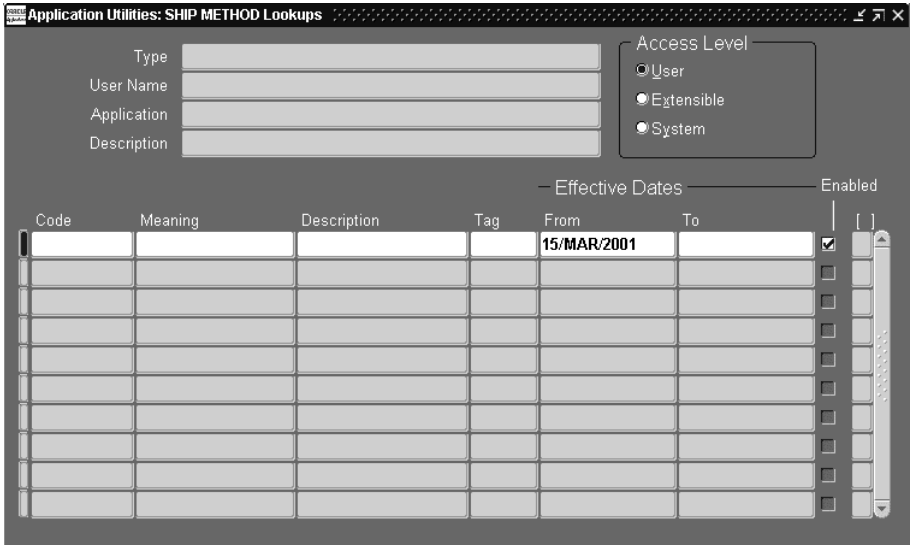
Searching for Information, *Oracle Applications User's Guide*

Defining Shipping Methods

The Shipping Method is a QuickCode used to define specific shipping methods. For example: Ground, Express, or Air. You can associate shipping methods with lead times in the Inter–org Shipping Methods window. See: Defining Inter–organization Shipping Networks: page 6 – 27.

▶ **To define shipping methods:**

1. Navigate to the Ship Method QuickCodes window from the menu. The *User* access level is selected indicating you can add or modify QuickCodes without restriction.



2. Enter a unique alphanumeric code describing the shipping method. You can define a maximum of 250 QuickCodes for a single QuickCode type. Inventory uses this value in the list of values for the Shipping Method field in the Inter–org Shipping Methods window. See: Defining Inter–organization Shipping Networks: page 6 – 27.

   You cannot change the values in this field after saving them. To remove an obsolete QuickCode you can either disable the code, enter an end date, or change the meaning and description to match a replacement code.

3. Enter the meaning of the shipping method code.

4. Optionally, enter from and to effective dates.

   If you enter an Effective From date you cannot use the shipping method before this date. If you leave this field blank, the shipping method is valid immediately.

   If you enter an Effective To date you cannot use the shipping method after this date. Once a shipping method expires, you cannot define shipping networks using the shipping method, but *can* query networks that already use the shipping method. If you do not enter an end date, the shipping method is valid indefinitely.

5. Indicate whether the shipping method is enabled. A shipping method must be enabled before you can define shipping networks using it. If you disable a shipping method you cannot use it in shipping networks, but you *can* query networks that already use the shipping method.

6. Save your work.

See Also

QuickCodes, *Oracle Applications User's Guide*

Defining Inter–organization Shipping Networks: page 6 – 27

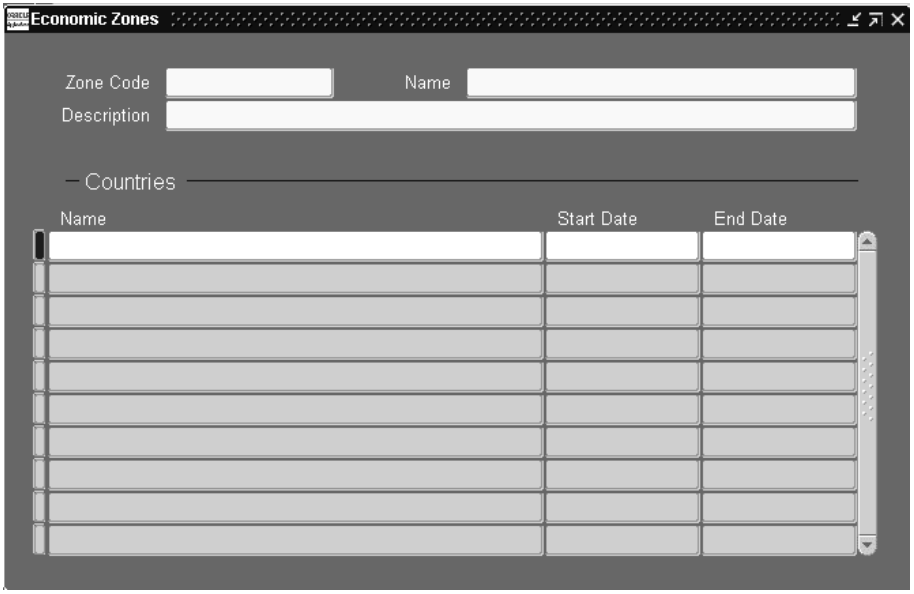
Defining Economic Zones

The Economic Zones window supports Oracle Inventory movement statistics functionality for gathering, reviewing, and reporting statistical information associated with material movements. You automate the movement statistics functionality by defining parameters in the Economic Zones and Movement Statistics Parameters windows. See: Overview of Movement Statistics: page 7 – 30 and Defining Movement Statistics Parameters: page 6 – 36.

Use the Economic Zones window to define the economic zones in which you conduct business. Oracle Inventory uses this information to determine which material movement transactions take place in a reporting jurisdiction.

▶ **To define an economic zone:**

1. Navigate to the Economic Zones window.



2. Enter a zone code.

   Note: The European Union is seeded in the system as an economic zone. You can update countries in the European Union common market by selecting the country code from the list of values.

3. Enter a name for the economic zone.

4. Enter a description of the economic zone.
5. Enter the countries you want to associate with this economic zone in the Name field of the Countries region.

   You can associate a country with more than one economic zone.
6. Enter a start date for each country.
7. Enter an end date for each country.
8. Save your work.

▶ **To update an economic zone:**

1. Navigate to the Economic Zones window.
2. Navigate to the Find Zones window by selecting Find from the View menu.
3. You can update information in all fields.
4. Save your work.

See Also

Defining Movement Statistics Parameters: page 6 – 36.

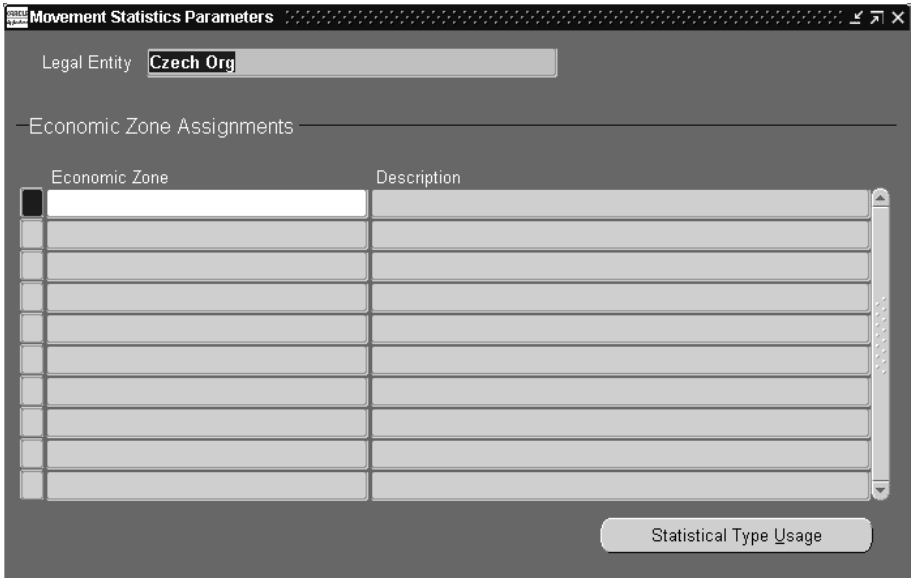
Overview of Movement Statistics: page 7 – 30.

Defining Movement Statistics Parameters

Use the Movement Statistics Parameters window to define the parameters for gathering movement statistics. Oracle Inventory uses this information to validate entry of statistical movement transactions and to properly report the information. You automate the movement statistics functionality by defining parameters in the Movement Statistics Parameters and Economic Zones windows. See: Overview of Movement Statistics: page 7 – 30 and Defining Economic Zones: page 6 – 34.

▶ **To define movement statistics parameters:**

1. Navigate to the Movement Statistics Parameters window.



2. Select a legal entity.
3. In the Economic Zone block, select an economic zone.
4. Save your work.
5. Choose Statistical Type Usage. The Statistical Type Usages window appears.
6. Select a usage type:

   Internal: Movement of goods within countries of the economic zone.

External: Movement of goods from a country of one economic zone to a country outside the zone.

7. Select the statistical type:

   Intrastat: Declaration of imports and exports within European Union borders.

   Extrastat: Declaration of imports and exports between a member of the the European Union and a country external to the European Union.

8. Select a period set to use for statistical movement reporting.

   You can select any period set that has been defined in your system. You can also define a calendar to use for statistical reporting purposes that is independent of the accounting calendar for your organization's set of books.

9. Enter a start period. This is the first period for which the statistic type assignment is valid.

10. Select the weight unit of measure to use for movement transactions calculations in the UOM field. For example, the European Union requires kilogram as the weight unit of measure for the official INTRASTAT and EXTRASTAT declaration.

11. Select the name of the legal entity branch in the Entity Branch Reference field. This reference is printed on the European Union INTRASTAT and EXTRASTAT declaration as required.

12. Select the currency conversion type to use to convert foreign currency amounts to the functional currency of your organization's set of books.

13. Select the currency conversion option to be used by the Movement Statistics Report to convert foreign currency document amounts to the functional currency of your organization's set of books.

    Daily – The daily conversion rate on the date of the movement transaction.

    Last Day of Period – The conversion rate and type of the last day of the reporting period.

14. Select the category set to use with your movement statistics transactions. Oracle Inventory uses the list of categories defined in this category set to associate your items with defined codes. For INTRASTAT and EXTRASTAT reporting, select the Intrastat category set to use the appropriate European Union designated commodity codes.

15. Enter the code, name, and location code for the tax office to which your legal entity reports. INTRASTAT and EXTRASTAT reporting require the name, code, and address of the tax office to which a legal entity reports to appear on the declaration. The full address associated with this location is displayed on the Movement Statistics Report.
16. Save your work.

See Also

Site Locations, *Oracle Human Resources User's Guide*

Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.

Defining Category Sets: page 4 – 55

Defining Calendars, *Oracle General Ledger User's Guide*

Defining Conversion Rate Types, *Oracle General Ledger User's Guide*

Movement Statistics Report: page 15 – 140

Defining Intercompany Relations

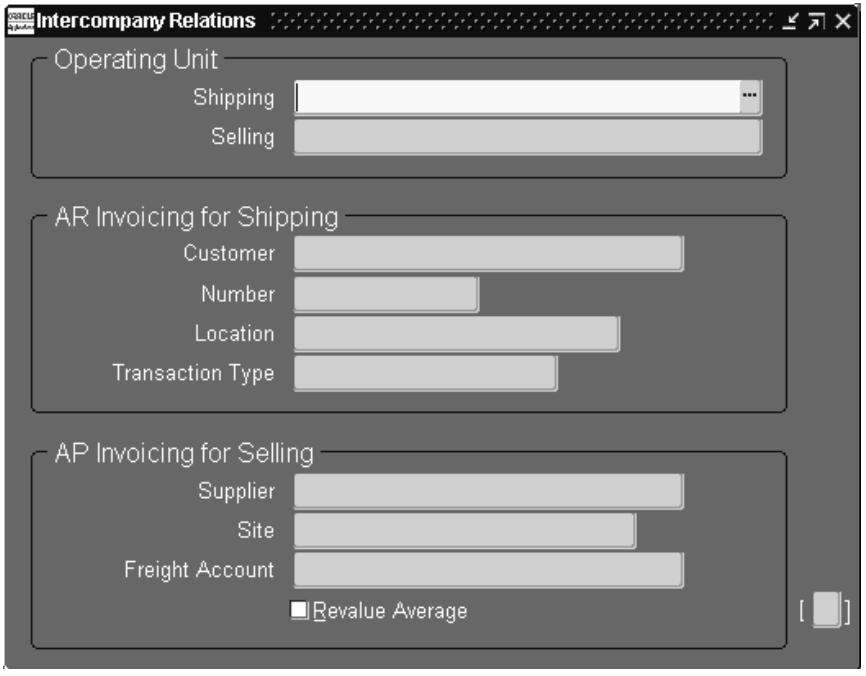
Use the Intercompany Relations window to define, query, and update intercompany relations between two operating units in a multi–organization environment. These operating units are the Shipping organization and the Selling organization.

When a sales order is entered in an operating unit, the shipping organization is often part of a separate operating unit, belonging to a separate set of books. Once the sales order is shipped to the customer, the inventory asset account for the shipping organization is credited and the cost of goods sold account is debited. On the other hand, sales revenue must be recognized in the order entry organization. If the two organizations belong to different operating units, the system must perform accounting distributions to record the intercompany revenue, receivable, and payable entries.

Oracle Inventory and Oracle Receivables must be installed before you can define intercompany relations. If Oracle Payables is not installed, the fields in the AP Invoicing for Selling region are not required.

▶ **To define intercompany relations:**

1. Navigate to the Intercompany Relations window from the menu.



2. Enter the Shipping Operating Unit. The list of values displays only the organizations defined as operating units. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.
3. Enter the Selling Operating Unit. The list of values displays only the organizations defined as operating units for which no intercompany relationship has been defined.
4. Enter either the Customer name or customer Number. When you enter one, Inventory supplies the other. See: Entering Customers, *Oracle Receivables User's Guide*. A customer is defined in Oracle Receivables to represent the shipping operating unit for AR accounting transactions.
5. Enter the customer Location, if the customer has multiple locations. The list of values displays only locations defined for the customer for which Site Use is set to Bill To.
6. Enter the Transaction Type. See: Transaction Types, *Oracle Receivables User's Guide*.
7. Enter the Supplier and, if available, the Supplier Site. See: About Suppliers, *Oracle Payables User's Guide*. A supplier is defined in Oracle Payables to represent the selling operating unit for AP accounting transactions.
8. Enter the Freight Account. The list of values is restricted to the Chart of Accounts of the selling organization.
9. Select Revalue Average if you are using average costing.
10. Save your work.

▶ **To update intercompany relations:**

1. Navigate to the Intercompany Relations window from the menu.
2. Query on the desired operating unit in the Shipping field to display the existing relation for that unit
3. You can update information in all fields except Shipping. See the discussions of the fields in the previous section.
4. Save your work.

See Also

Intercompany Invoicing Process page: 14 – 3

CHAPTER

7 Transactions

Overview of Inventory Transactions

Oracle Inventory, with Oracle Order Management, Oracle Purchasing, and Oracle Work in Process, provides you with a complete set of transactions and reports for maintaining inventory control. This allows you to control the flow of material from the time you receive items to the time you ship finished goods to the customer. You can:

- Process miscellaneous issues and receipts. See: Performing Miscellaneous Transactions: page 7 – 8.
- Transfer material between subinventories. See: Transferring Between Subinventories: page 7 – 4.
- Move material from a shipping organization to a destination organization and move material to intransit inventory before it reaches its final destination. See: Transferring between Organizations: page 7 – 16.
- Track lots and serial numbers for an item. See: Assigning Lot Numbers: page 7 – 23 and Assigning Serial Numbers: page 7 – 24.
- Generate shortage alerts and shortage notifications. See: Material Shortage Alerts and Shortage Notifications: page 7 – 26.
- Enter and maintain movement statistics information. See: Entering Movement Statistics: page 7 – 35
- View material transactions. See: Viewing Material Transactions: page 7 – 42.
- View material transaction accounting distributions. See: Viewing Material Transaction Distributions, *Oracle Cost Management User's Guide*.
- View summarized transactions for a range of dates. See: Viewing Transaction Summaries: page 7 – 45.
- View pending transactions. See: Viewing Pending Transactions: page 7 – 51.
- View pending transaction interface activity. See: Viewing and Updating Transaction Open Interface Activity: page 7 – 57.
- Purge transaction history. See: Purging Transaction History: page 7 – 66.
- View serial genealogy. See: Viewing Serial Genealogy: page 7 – 90.

Attention: Inventory transactions and on hand balance supports decimal precision to 5 digits after the decimal point. Oracle Work in

Process supports decimal precision to 6 digits. Other Oracle Applications support different decimal precision. As a result of the decimal precision mismatch, transactions another Oracle Application passes may be rounded when processed by Inventory. If the transaction quantity is rounded to zero, Inventory does not process the transaction. It is therefore suggested that the base unit of measure for an item is set up such that transaction quantities in the base unit of measure not require greater than 5 digits of decimal precision.

See Also

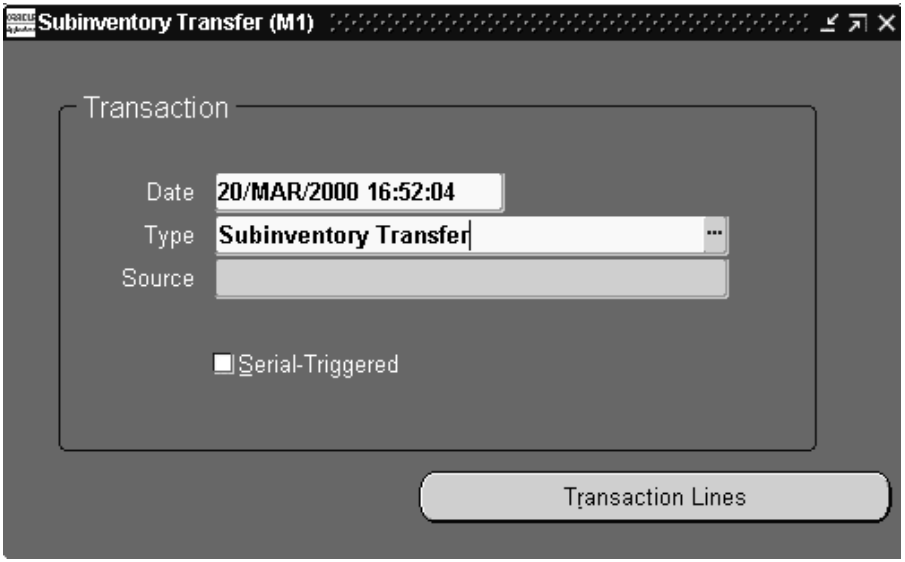
Overview of Transaction Setup: page 6 – 2

Transferring Between Subinventories

You can transfer material within your current organization between subinventories, or between two locators within the same subinventory. You can transfer from asset to expense subinventories, as well as from tracked to non–tracked subinventories. If an item has a restricted list of subinventories, you can only transfer material from and to subinventories in that list. Oracle Inventory allows you to use user–defined transaction types when performing a subinventory transfer.

▶ **To enter a subinventory transfer:**

1. Navigate to the Subinventory Transfer window.



2. Enter the date and time of entry for the transaction.

   The date you can enter is controlled by the *INV:Transaction Date Validation* profile option. See: Oracle Inventory Profile Options: page 1 – 26.

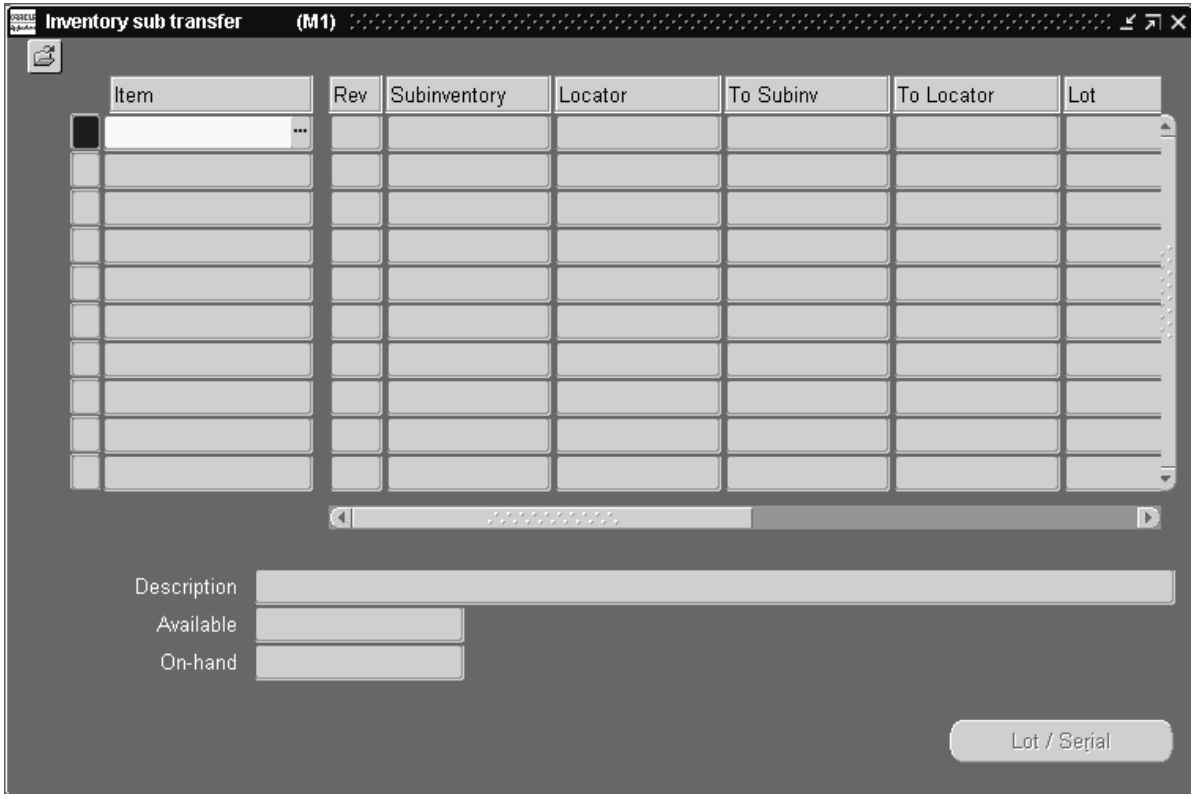
3. Enter a transaction type for the subinventory transfer. This can either be a predefined system type or one you defined. See: Defining Transaction Types: page 6 – 19.

4. Optionally, enter the source of the transaction type. See: Defining and Updating Transaction Source Types: page 6 – 12.

5. Optionally, indicate if inventory information should be defaulted from the serial number.

▶ **To enter the item to transfer:**

1. Choose Transaction Lines in the Subinventory Transfer window. The Transaction Lines Detail folder window appears.



2. Enter an inventory item to transfer. If you choose to default inventory information from the serial number, enter a serial number.
3. Optionally, enter the revision for the item. You must enter a value here if the item is under revision control.
4. Enter the subinventories from and to which to transfer material. Enter the same subinventory in the Sub and To Sub fields to transfer material between locators.
5. Optionally, enter the locators from and to which to transfer the item. You must enter a value here if you established locator control.

You can enter a new value in the To Locator field only if you defined locator control as dynamic entry.

6. Optionally, enter a lot number for the item. If you want to enter multiple lot numbers, complete the remaining steps, then choose the Lot / Serial button to display the Lot Entry window.
7. Enter a unit of measure. This can be the primary unit of measure (the default) or any valid alternate unit of measure.

   If you enter an alternate unit of measure, Oracle Inventory issues the quantity you specify in this unit of measure. Oracle Inventory also converts the quantity to the primary unit of measure so that it can correctly update the on–hand quantity.
8. Enter the quantity of the inventory item to transfer, based on the unit of measure you specified.
9. Optionally, enter a reason code for the transaction. For example, you can use reason codes to allow you to mark exceptional charges to support a quality data collection and reporting system. See: Defining Transaction Reasons: page 6 – 22.
10. Optionally, enter up to 240 characters of free text that describes the transaction.

▶ **To enter lot or serial number information.**

- Choose the Lot / Serial button. See: Assigning Lot Numbers: page 7 – 23 and Assigning Serial Numbers: page 7 – 24.

▶ **To view quantity available and quantity on hand values:**

- Review the following fields:

  Available: Displays the quantity available to transfer, based on the unit of measure you specified. The available quantity is the quantity on hand less all reservations for the item. This amount could include the amount you have reserved if you enter a transaction source that has reservations against it. The available quantity includes reservations against current transaction source. The available quantity is specific to the revision level, lot number, From subinventory, and From locator you specify for the transfer.

  On hand: Displays the current on–hand quantity for the item, based on the unit of measure you specified. The on–hand quantity is specific to the revision, lot number, From subinventory, and From locator you specify for the transfer. On–hand includes quantities for

pending transactions in the MTL–MATERIAL–TRANSACTIONS table.

▶ **To process the transaction:**

- Save your work.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Performing Miscellaneous Transactions

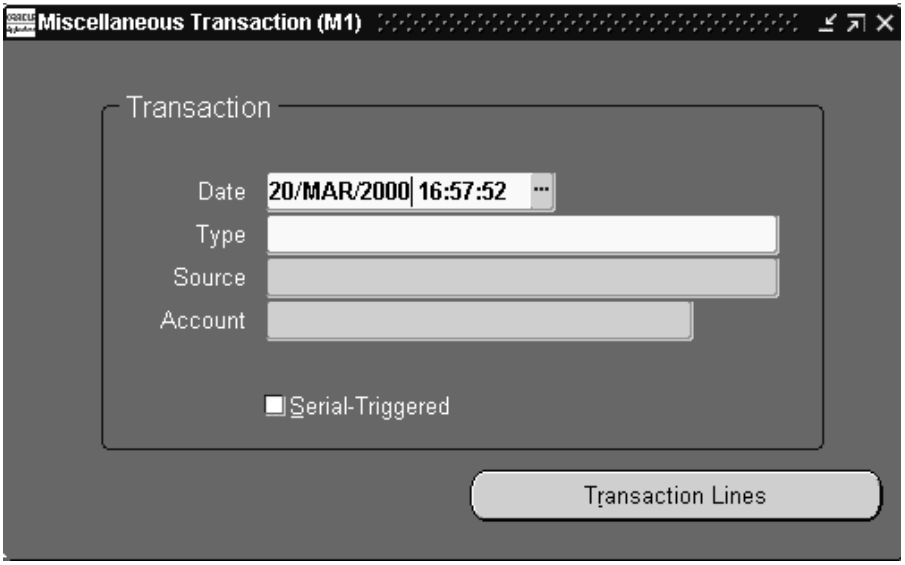
With a miscellaneous transaction you can issue material to or receive material from general ledger accounts in your current organization. This allows you to issue material to groups that are not inventory, receiving, or work in process such as a research and development group or an accounting department. You can also make manual adjustments to the general ledger by receiving material from one account to inventory, and then issuing that material from inventory to another account.

You can use your user–defined transaction types and sources to further classify and name your transactions. You can use this feature to issue items to individuals, departments, or projects; or to issue damaged items to expense accounts such as scrap. You can perform the receipts for items that were acquired by means other than a purchase order from a supplier. You can also use this feature to load all item on–hand quantities when you start implementing Oracle Inventory.

You will receive a material shortage alert while performing a miscellaneous transaction if you have enabled shortage alerts for the miscellaneous transaction type being performed. Also, a miscellaneous transaction can trigger a shortage notification to be sent to various pre–defined individuals. See: Material Shortage Alerts and Shortage Notifications: page 7 – 26.

▶ **To enter a miscellaneous transaction:**

1. Navigate to the Miscellaneous Transaction window.



2. Enter the date and time of entry for the transaction.

   The date you can enter is controlled by the *INV:Transaction Date Validation* profile option. See: Oracle Inventory Profile Options: page 1 – 26.

3. Enter a miscellaneous transaction type for the transfer. This can either be a predefined system type or one you defined. See: Defining Transaction Types: page 6 – 19.

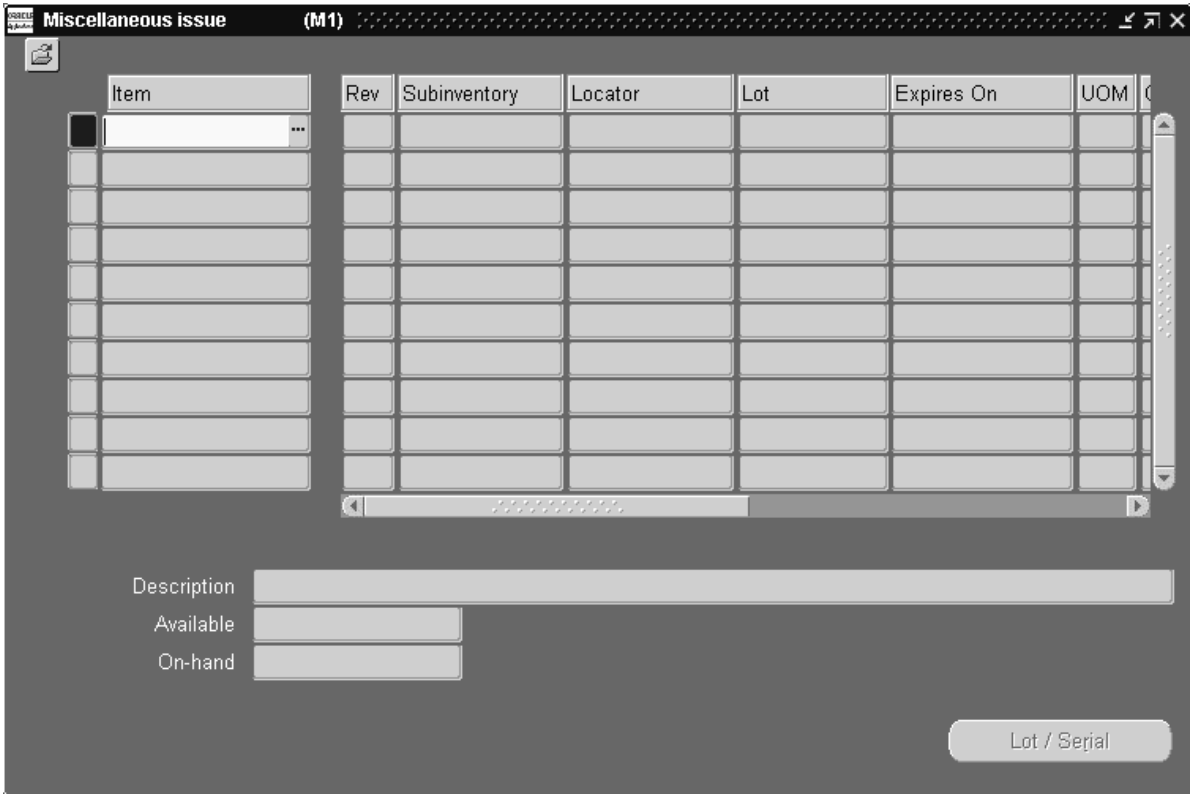
4. Optionally, enter the source of the transaction type. See: Defining and Updating Transaction Source Types: page 6 – 12.

5. Optionally, enter the general ledger account against which the material is issued or received.

6. Optionally, indicate if inventory information should be defaulted from the serial number.

▶ **To enter the item to transfer:**

1. Choose Transaction Lines in the Miscellaneous Transaction window. The Transaction Lines Detail folder window appears.



2. Enter an inventory item to issue or receive. If you choose to default inventory information from the serial number, enter a serial number.
3. Enter the revision for the item to issue or receive. You must enter a value in this field if the item is under revision control.
4. Enter a subinventory. For an issue transaction, you cannot enter a subinventory that does not have *Quantity Tracking* turned on.
5. Enter a locator. You must enter a value here if you established locator control for the item.
6. Optionally, enter a lot number for the item. If you want to enter multiple lot numbers, complete the remaining steps, then choose the Lot / Serial button to display the Lot Entry window.
7. Enter a unit of measure. This can be the primary unit of measure (the default) or any valid alternate unit of measure.

   If you enter an alternate unit of measure, Oracle Inventory issues the quantity you specify in this unit of measure. Oracle Inventory also

converts the quantity to the primary unit of measure so that it can correctly update the on–hand quantity.

8. Enter the quantity of the inventory item to issue or receive, based on the unit of measure you specified.
9. If using average costing, enter the unit cost of the item to receive or issue. Leave this field blank to use the system average cost at the time of the transaction.
10. Optionally, enter a reason code for the transaction. For example, you can use reason codes to allow you to mark exceptional charges to support quality data collection.
11. Optionally, enter up to 240 characters of free text that describe the transaction.
12. Enter a general ledger account for the item to use in the transaction. You can change this account only for miscellaneous issue / receipt or user–defined transaction types.

▶ **To enter lot or serial number information.**

- Choose the Lot / Serial button. See: Assigning Lot Numbers: page 7 – 23 and Assigning Serial Numbers: page 7 – 24.

▶ **To process the transaction:**

- Save your work.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Inter–organization Transfers

You can define multiple inventories, warehouses, and manufacturing facilities as distinct organizations. With Oracle Inventory you can perform inter–organization transfers as direct or intransit shipments.

You can transfer one or more items in a single transaction. You can also transfer partial quantities of the same item to different subinventories and locators in a single transaction. The items you transfer must exist in both organizations. You can also transfer expense and asset items from one organization to another using intransit inventory.

Direct Inter–organization Transfers

You can use a direct inter–organization transfer to move inventory directly from a shipping organization to a destination organization.

The validity of a transfer transaction depends on the controls you have defined in both the shipping and destination organizations for the items you want to transfer. For example, you can transfer item A from organization X to organization Y, even though item A is under lot control only in organization X (you can specify the lot numbers for item A in organization X during the transfer transaction). However, you cannot transfer item B from organization X to organization Y if item B is under lot control only in organization Y (you cannot specify lot numbers for item B in the destination organization because you are performing a direct transfer).

The following tables present direct, inter–organization transfers.

Revision Control

REVISION CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	–	OK

Lot Control

LOT CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	–	OK

Serial Number Control

SERIAL NUMBER CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	–	OK

Asset Expense Subinventory Item

Destination Org / Shipping Org	Expense sub and/or Expense item	Asset sub and Asset item
Expense sub and/or Expense item	OK	–
Asset sub and Asset item	OK	OK

Inter–Organization Transfers via Intransit Inventory

You usually transfer material to intransit inventory when transportation time is significant. When you perform the transfer transaction, you do not need to specify the delivery location. You only need to enter the subinventory you are shipping from, a shipment number, the freight information, and, depending on the inter–organization transfer charge that applies between the organizations, a percentage of the transaction

value or a discrete amount that Oracle Inventory uses to compute transfer charges.

If the FOB point is set to *Receipt* in the Shipping Networks window, the destination organization owns the shipment when they receive it. If it is set to *Shipment*, the destination organization owns the shipment when the shipping organization ships it, and while it is intransit.

While your shipment is intransit, you can update shipping information such as the freight carrier or arrival date in the Maintain Shipments window. See: Managing Shipments, *Oracle Purchasing User's Guide*.

At the time of shipment, you must define your receiving parameters for the destination organization. You can receive and deliver your shipment in a single transaction or you can receive and store your shipment at the receiving dock. See: Receipts, *Oracle Purchasing User's Guide*.

The validity of a transfer transaction depends on the controls you have defined in both the shipping and destination organizations for the items you want to transfer. For example, you can transfer item A from organization X to organization Y, even though item A is under lot control only in organization X (you can specify the lot numbers for item A in organization X during the transfer transaction). You can also transfer item B from organization X to organization Y if item B is under lot control only in organization Y (you can specify lot numbers for item B in the destination organization when you perform the receiving transaction).

The following tables present inter–organization transfers via intransit inventory.

Revision Control

REVISION CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	Receive any revision	Receive only the revision you ship

Lot Control

LOT CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	OK	OK

Serial Number Control

SERIAL NUMBER CONTROL	Off (Shipping Organization)	On (Shipping Organization)
Off (Destination Organization)	OK	OK
On (Destination Organization)	OK	OK

Asset Expense Subinventory Item

–	Asset Subinventory	Expense Subinventory
Asset item	OK	–
Expense Item	OK	OK

See Also

Transferring Between Organizations: page 7 – 16

Transferring Between Organizations

You can transfer material from your current organization to another organization, or from your current organization to intransit inventory.

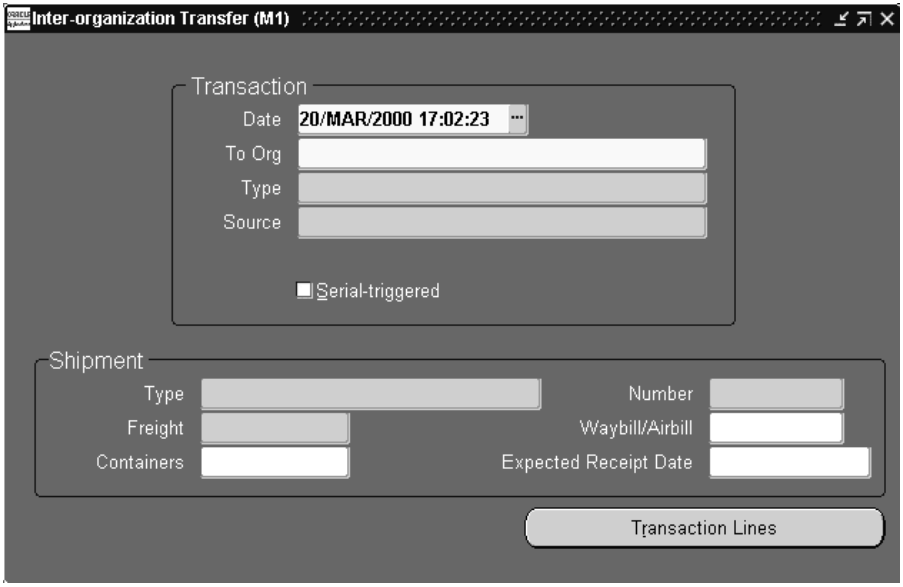
Material in intransit inventory belongs to the organization identified by the FOB point. See: Defining Inter–Organization Shipping Networks: page 6 – 27.

Prerequisites

- ❑ Define an inventory item that is common to both organizations. See: Defining Items: page 5 – 6 and Assigning Items to Organizations: page 5 – 12.
- ❑ Define at least two organizations, one of which is valid to receive material from the other. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide* and Defining Organization Parameters: page 2 – 4.
- ❑ Set up inter–organization relationships and their corresponding accounts. See: Defining Inter–Organization Shipping Networks: page 6 – 27.
- ❑ For direct transfers, if the item to transfer is under serial number control, the item must have the same unit of measure in each organization. See: Defining Items: page 5 – 6.

▶ **To enter the information to perform a transfer between organizations:**

1. Navigate to the Inter–organization Transfer window.



2. Enter the date of entry for the transaction.

   The date you can enter is controlled by the *INV:Transaction Date Validation* profile option. See: Oracle Inventory Profile Options: page 1 – 26.

3. Enter an organization to which to transfer the material. You must first define this organization as valid to receive material from your current organization. See: Defining Inter–Organization Shipping Networks: page 6 – 27.

   In addition, if this organization uses intransit inventory, Oracle Inventory stores the material as intransit inventory when you transfer any material to this organization. You must then move the material from intransit inventory to this organization with an intransit inventory receipt.

4. Enter a transaction type. This can be either a predefined system type or one you defined. See: Defining and Updating Transaction Types: page 6 – 19.

   Optionally, you can enter the source of the transaction type. See: Defining and Updating Transaction Source Types: page 6 – 12.

5. Indicate if inventory information should be defaulted from the serial number.

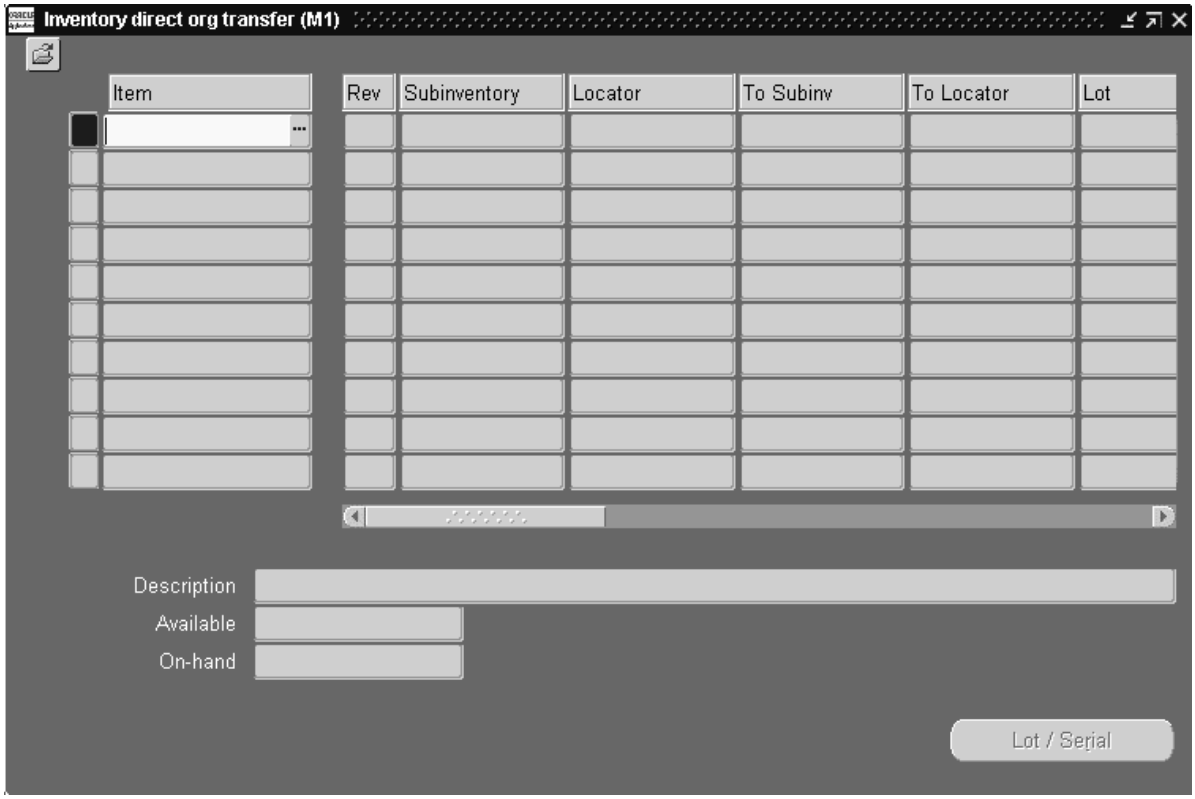
6. Enter any optional Shipment information.

▶ **Optionally, you can enter the following Shipment information:**

- A shipment number to uniquely identify an item or group of items to transfer. When the *To Org* uses intransit inventory, you must enter a value here.
- The freight carrier for the transfer.
- A waybill or airbill number for the transfer.
- The number of containers in which the material is stored for the transfer.
- The date you expect to receive the material at the destination organization. You must enter a date equal to or later than the current date. Oracle Inventory uses this date for reporting purposes only.

▶ **To enter the items to transfer:**

1. Choose Transaction Lines from the Inter–organization Transfer window.



2. Enter an inventory item to transfer.

   You can transfer the same item more than once. For example, you can specify an item more than once to transfer partial quantities to different subinventories or stock locators.

3. For a direct transfer, if the item is under revision control in either organization, enter a revision that is common to the item in both organizations.

4. Enter a subinventory from which to transfer the material.

5. Optionally, enter the subinventory to which to transfer the material. You must enter a value in this field for direct inter–organization transfers.

6. If you established locator control for the item, enter from and to locators.

7. Enter a lot number for the item. If you want to enter multiple lot numbers, complete the remaining steps, then choose the Lot / Serial button to display the Lot Entry window.

For receipt transactions, if you enter a lot number, enter the date the lot expires. You can enter a value here only if the Lot Expiration (Shelf Life) Control attribute is set to *User–defined Expiration Date*.

8. Enter a unit of measure. This can be the primary unit of measure (the default) or any valid alternate unit of measure.

   If you enter an alternate unit of measure, Oracle Inventory issues the quantity you specify in this unit of measure. Oracle Inventory also converts the quantity to the primary unit of measure so that it can correctly update the on–hand quantity.

9. Enter the quantity of the item to transfer.

10. Optionally enter a reason code for the transaction. For example, you can use reason codes to allow you to mark exceptional charges to support a quality data collection and reporting system.

    You can also enter up to 240 characters of free text in the Reference field that describe the transaction.

▶ **To enter internal transfer charges to assign to the To organization:**

- Enter a value in the Added Value field that represents the transfer charge. You can enter a value here only if you entered *Requested value* in the Inter–Organization Transfer Charge field in the Organization Parameters window.
- Enter the percent of the transaction value that represents the transfer charge. You can enter a value here only if you entered *Requested percent* in the Inter–Organization Transfer Charge field in the Organization Parameters window. Defining Inter–Organization Information: page 2 – 20.

▶ **To enter freight information costs to assign to the From (current) organization:**

- Enter the transportation cost to physically transfer the material; that is, the freight carrier charges.
- Enter the general ledger account to which to charge the value you entered in the Transportation Cost field. Oracle Inventory displays the account you defined for the freight carrier as the default. See: Defining Freight Carriers: page 2 – 42.

▶ **To enter a unit number:**

- If Oracle Project Manufacturing is installed and if you have enabled its end item model / unit effectivity feature, you can enter a unit

number for the item. See: Model / Unit Effectivity, *Oracle Project Manufacturing Implementation Manual*.

Note: The Unit Number field is visible only if you have installed Project Manufacturing.

▶ **To enter lot or serial number information.**

- Choose the Lot / Serial button. See: Assigning Lot Numbers: page 7 – 23 and Assigning Serial Numbers: page 7 – 24.

▶ **To view quantity available and quantity on hand values:**

- Review the following fields:

  Available: Displays the quantity available to transfer, based on the unit of measure you specified. The available quantity is the quantity on hand less all reservations for the item. This amount could include the amount you have reserved if you enter a transaction source that has reservations against it. The available quantity includes reservations against current transaction source. The available quantity is specific to the revision level, lot number, From subinventory, and From locator you specify for the transfer.

  On hand: Displays the current on–hand quantity for the item, based on the unit of measure you specified. The on–hand quantity is specific to the revision, lot number, From subinventory, and From locator you specify for the transfer. On–hand includes quantities for pending transactions in the MTL–MATERIAL–TRANSACTIONS table.

▶ **To process the transaction:**

- Save your work.

▶ **To record movement statistics:**

- Use either of the following methods to record and maintain information associated with the movement of goods:
  - Navigate to the Movement Statistics window and record information manually. See: Entering Movement Statistics: page 7 – 35.
  - Automate the collection of this information by setting up parameters in the Movement Statistics Parameters and Economic Zones windows. See: Defining Movement Statistics Parameters: page 6 – 36 and Defining Economic Zones: page 6 – 34.

See Also

Inter–organization Transfers: page 7 – 12

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Assigning Lot Numbers

You can choose lot numbers for the line item quantity to issue or receive. You can view the Lot Entry window only when you establish lot control for the item you issue or receive.

▶ **To assign lot numbers to the item quantity to issue or receive:**

1. Choose the Lot/Serial button from a transaction window. The Lot Entry window appears displaying the item and transaction information.

   The Qty field displays the total quantity you entered for the transaction. The Lot Qty Entered field displays the quantity for the item that you have assigned to lot number.

2. Enter a new or existing lot number to which to issue or receive the item.

3. Optionally, enter the date that the material in the lot expires. You can enter a value in this field only if you enter a new lot number in the previous field and if the Lot Expiration (Shelf Life) Control attribute for the item is set to *User–defined Expiration Date*.

   If this attribute is set to *Item shelf life days* for the item, Inventory calculates the expiration date for you by adding the shelf life days you defined for the item to the current date. Inventory then displays the result as the default value; you cannot change this date.

4. Enter the quantity of the item to issue or receive to the lot. The Available and On–Hand fields display the current quantities for each lot.

   Available: Displays the quantity available to issue, based on the unit of measure you specified. This amount could include the amount you have reserved if you enter a transaction source that has reservations against it. The available quantity is specific to the revision level, subinventory, locator, and lot you define for the issue or receipt. For receipt transactions, Inventory adds the receipt quantity to the available quantity when you complete the transaction.

   On Hand: Displays the current on–hand quantity of the item, based on the unit of measure you specified. The on–hand quantity is specific to the revision, subinventory, locator, and lot you specify.

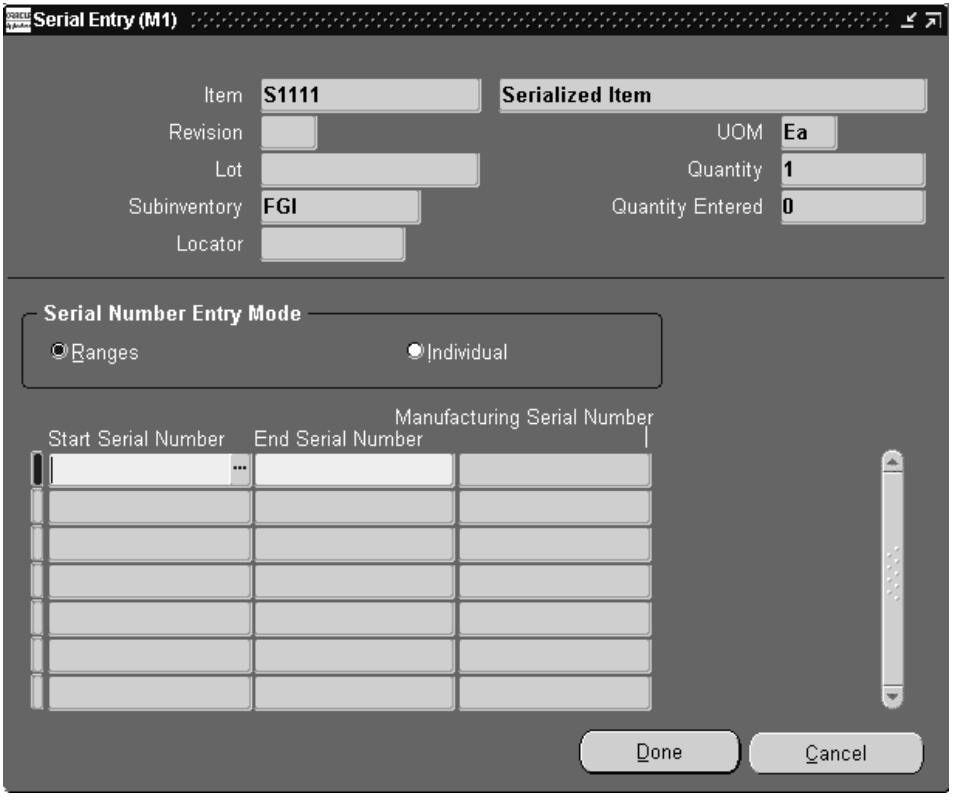
5. Choose Done to return to the Transaction Lines window.

Assigning Serial Numbers

Under serial number control, you must specify a serial number to each item you issue or receive. In the Serial Number Entry window you choose serial numbers for the item quantity to issue or receive. You can view this window only when you establish serial number control for the item you issue or receive.

▶ **To assign serial numbers to the item quantity to issue or receive:**

1. Choose the Lot/Serial button from a transaction window. The Serial Number Entry window appears displaying the item and transaction information.



The Qty field displays the total quantity you entered for the transaction. The Qty Entered field displays the quantity for the item that you have assigned to the serial number.

2. Indicate whether to specify one or more ranges of serial numbers for each item or lot quantity, or whether to specify an individual serial number for each.

   If you select a range of serial numbers, each item in the line item or lot quantity is assigned to a serial number within the range.

3. Enter a serial number for an individual item, or enter a value to begin a range of serial numbers.

4. If you are using a serial number range, enter a value to end the range. The default is the last serial number calculated from the starting serial number and transaction quantity.

   Note: The maximum valid contiguous serial number is calculated. If an existing serial number is encountered within the range, the range ends before that number, and you can respecify the beginning serial number for calculating the remaining serial numbers.

5. If you selected *Individual* for the serial number entry mode, you can enter a manufacturer's serial number.

6. Choose Done to return to the Transaction Lines window.

Shortage Alerts and Shortage Notifications

A material shortage occurs whenever unsatisfied demand exceeds available quantity for incoming supply of material. Oracle Inventory checks, during a receipt transaction, to see if the material received is needed elsewhere in the organization. If a shortage exists, the system notifies you, either by a real–time, material shortage alert or a workflow–based notification.

Forms Generating Shortage Alerts and Notifications

The following receipt transaction forms generate shortage alerts and notifications when receiving items for which the system has detected a shortage.

- Receipts
- Receiving Transactions
- Miscellaneous Transactions
- WIP Material Transactions
- WIP Completions
- Work–Orderless Completions

The shortage alert appears in the window during the transaction. It gives you the option to go to the View Potential Shortages form, which shows where demand exists in the organization.

Notifications are sent to pre–specified individuals.

Sources of Demand

In generating shortage alerts and notifications, the system considers the following to be sources of demand:

- WIP jobs
- WIP schedules
- Sales order lines that have been pick released and allocated but for which adequate quantity was not sourced

Supply Types

You can specify which inventory transactions trigger a shortage alert or notification. The system considers only the transaction types you select to be supply for the unsatisfied demand. Shortage alerts and notifications are triggered for system–defined and user–defined transaction types that have transaction actions of:

- Receipt into stores
- Intransit receipt
- Direct organization transfer
- Assembly completion
- Negative component issue

Setting Up Shortage Alerts and Shortage Notifications

- Define the shortage parameters the system will use to detect material shortages. See: Defining Shortage Parameters: page 2 – 39.
- Define the transaction action types that will trigger shortage alerts and notifications. See: Defining and Updating Transaction Types: page 6 – 19.
- Define which items in the system will trigger a shortage alert or notification when they are in demand. See: Defining Items: page 5 – 6; and Inventory Attribute Group: page 5 – 43.
- Define the individuals to be notified. See: Defining Shortage Parameters: page 2 – 39.

Viewing Potential Shortages

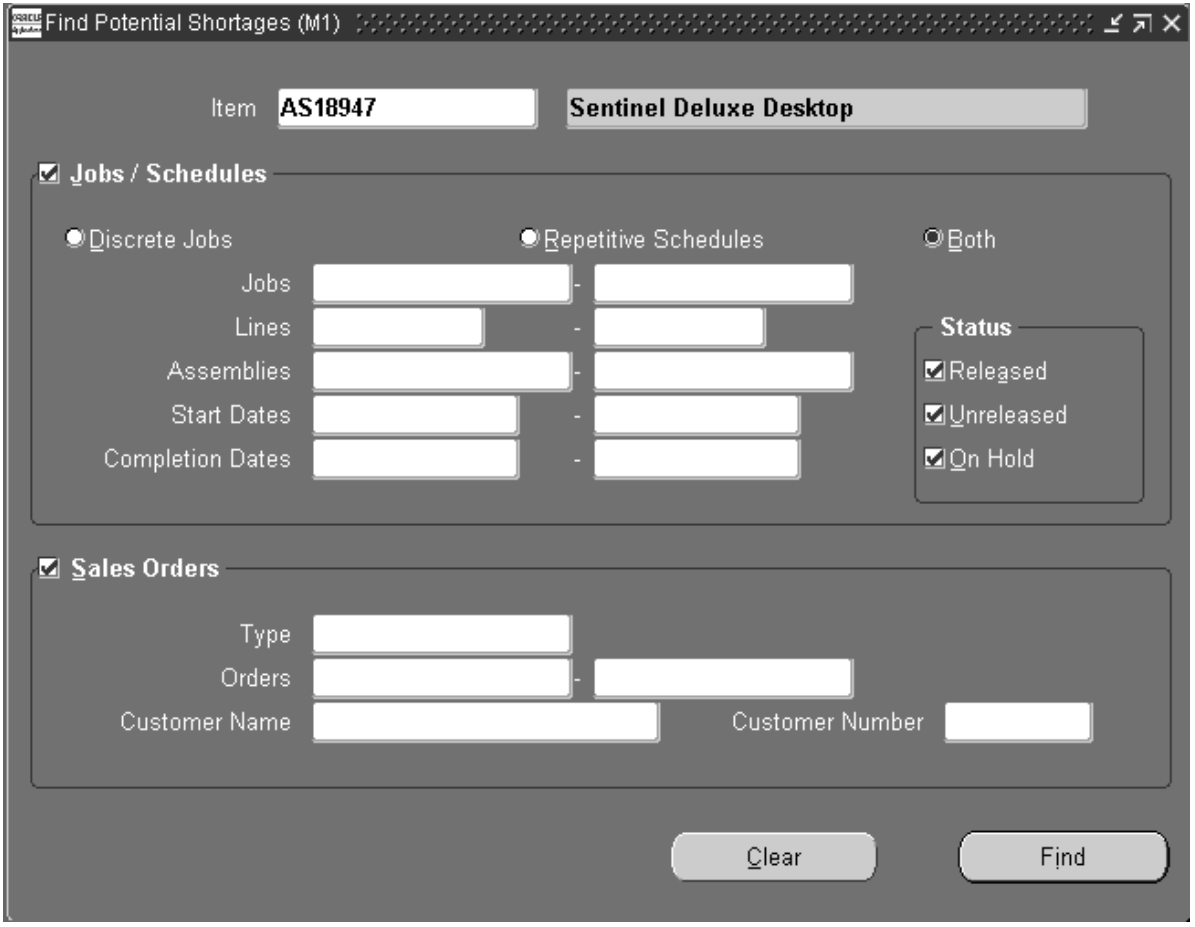
You can view potential shortages of items for which there is an outstanding demand in the organization. (You configure the work orders to be considered as unsatisfied demand in the shortage parameters.)

Prerequisites

You must define the shortage parameters, as well as the transaction action types and items that will trigger shortage alerts and notifications. See: Setting Up Material Shortage Alerts and Shortage Notifications: page 7 – 27

▶ **To view potential shortages:**

1. Navigate to the View Potential Shortages window. The Find Potential Shortages window appears.



2. Enter search criteria. The View Potential Shortages window appears, displaying a summary of the shortage.

- **Select the Detail button to see detailed shortage information about a particular item.**

- **Select the Supply/Demand button to see supply and demand information about a particular item.**

  Note: Potential shortages for jobs and schedules display only when the starting date on the work order or schedule exists in the manufacturing calendar.

See Also

Shortages Summary Report: page 15 – 37.

Shortage Parameter Report: page 15 – 39

Overview of Movement Statistics

Oracle Inventory provides the functionality for collecting statistics associated with the movement of material across the border of two countries. You can collect statistics to satisfy the European Union's reporting requirements for INTRASTAT, the declaration for imports and exports between countries belonging to the European Union, and EXTRASTAT, the declaration for imports and exports between a country belonging to the European Union and a country external to the European Union. This functionality is also a feature of Oracle Purchasing.

Movement statistics features allow you to:

- Automatically generate movement statistics records based on ship–from and ship–to information, without user intervention.
- Report your company's legal entity information, including name, address, and tax registration information.
- Capture, maintain, calculate, and report information associated with the movement of material between statistics gathering countries. This includes the ability to record and report corrections.
- Run the Movement Statistics Exception Report to validate that all movement statistics records in a period are accurate and ready for reporting.
- Capture the invoice value from accounts receivables and accounts payables for material movement. If the invoice information is not available, the system captures the statistical value from the movement transaction.
- Freeze statistical information after review and report the information to a government agency.
- Create an audit trail between statistical information and the associated material transactions.
- Generate EDI messages out of movement statistics records.

Automatically Generate Movement Statistics Records

You can automatically generate movement statistics records by running the Movement Statistics Processor, a concurrent program that analyzes all the transactions that occur in the system, based on legal entity. You can then validate the records and, for INTRASTAT and EXTRASTAT, create official reporting documents. See: Automatically Generating Movement Statistics Records: page 7 – 34.

The Movement Statistics Processor analyzes the following transaction types:

- Purchase Receipt
- RTV
- Sales order
- RMA
- Supplier drop shipment
- Multi–org intercompany drop shipment
- Inventory interorganization movements
- Internal requisition
- Internal sales order

Attention: The system does not analyze Oracle Inventory miscellaneous receipts and issues because these transactions are considered inventory updates, not material movements.

To enable the system to automatically generate movement statistics records you define parameters in the Economic Zones and Movement Statistics Parameters windows. See: Setting Up Movement Statistics: page 7 – 33.

Note: ISO and European Union country codes are supported. See: Territories Window, *System Administrator's Guide.*

Statistics Setup

You can capture and report movement statistics by legal entity. You can specify parameters such as calendar, currency conversion type, weight unit of measure, tax office name, and tax office information.

Validate Movement Statistics Records

You can use the Movement Statistics Exception Report to validate that all movement statistics records in a period are accurate and ready for reporting. You can identify missing or incomplete entries and make corrections before freezing the information. See: Movement Statistics Exception Report: page 15 – 134.

Review and Report Movement Statistics

You can generate both summary and detail reports for movement statistics, including hard copies for government agencies and your own files. See: Movement Statistics Report: page 15 – 140.

Freeze Movement Statistics

The Movement Statistics Report provides a run time parameter which allows you to freeze movement information for official INTRASTAT and EXTRASTAT reporting. This option updates the database with any information calculated at report run time to provide a complete history of information reported. This option also allows you to assign a reference number for the information processed by the particular run of the report. Only records that have been frozen can be used to generate EDI messages.

Reset Movement Statistics Status

After you freeze movement statistics records for official INTRASTAT and EXTRASTAT reporting, you can run the Movement Statistics Reset Status program to reset their status to open. This option allows you to add missing information to records that are frozen. See: Movement Statistics Reset Status Report: page 15 – 136.

Integrate with Legacy Systems

Movement statistics functionality provides the ability to integrate with Legacy systems in order to capture material movements from other logistics applications.

EDI Support

You can generate EDI messages from movement statistics records. These messages are EDIFACT compliant.

Link Movement Statistics to Financial Documents

Movement statistics records are automatically linked to various financial documents based on the transaction type. For example, purchase order receipts are linked to payables invoices, RTVs and RMAs with credit memos, and sales order shipments with receivables invoices.

Track Multiple Values

You can capture the invoice value from accounts receivables and accounts payables for material movement. If the invoice information is not available, the system captures the statistical value from the movement transaction.

Automatic Weight Calculation

Oracle Inventory calculates the weight of a material movement by converting the transaction quantity and unit of measure to the appropriate weight and weight unit of measure for the item.

Manually Enter Movement Information

You can manually enter movement information associated with material transactions that are not captured by Oracle Inventory and Purchasing, such as fixed assets. See: Viewing and Maintaining Movement Statistics: page 7 – 35.

Setting Up Movement Statistics

- Define a commodity code category set and assign commodity codes to items

  Before capturing and / or reporting movement statistics using commodity codes, you must establish a category set to store commodity codes for inventory items. Once the category set has been defined, you assign the proper commodity code to items. See: Defining Category Sets: page 4 – 55.

  For INTRASTAT and EXTRASTAT reporting, you must assign an appropriate Intrastat category set to items in inventory. Once the category set has been assigned, choose from the Category Set list of values on the Movement Statistics Parameters window to assign the item a European Union–designated commodity code.

- Define calendars in General Ledger

  You can create a calendar and define periods for which to collect movement statistics records. The period you use to collect movement statistics records can also be your manufacturing or accounting calendar. See: Defining Calendars, *Oracle General Ledger User's Guide*.

- Define economic zones

  Use the Economic Zones window to define economic zones and associate these zones with specific countries. See: Defining Economic Zones: page 6 – 34.

- Define legal entity and movement statistics parameters

  Use the Movement Statistics Parameters window to record information associated with any legal entity for which you are gathering and reporting movement statistics. See: Defining Movement Statistics Parameters: page 6 – 36.

Automatically Generating Movement Statistics

You can automatically generate movement statistics records, based on legal entity, by running the Movement Statistics Processor. You can then validate the records and, for INTRASTAT and EXTRASTAT, create official reporting documents.

Prerequisites

- ❑ Define Economic Zones. See: Setting Up Movement Statistics: page 7 – 33.
- ❑ Define Movement Statistics Parameters. See: See: Setting Up Movement Statistics: page 7 – 33.

▶ **To automatically generate movement statistics records:**

1. Run the Movement Statistics Processor by navigating to the Movement Statistics Reports window. See: Movement Statistics Processor: page 15 – 138.
2. Optionally, review the results of the Movement Statistics Processor by navigating to the Movement Statistics Summary window. If necessary, update the movement statistics records. See: Viewing and Maintaining Movement Statistics: page 7 – 35.

3. Run the Movement Statistics Exception Report to check for missing data. See: Movement Statistics Exception Report: page 15 – 134. After you run this report, the status of the movement statistics records changes to *Verified*. To view this result, navigate to the Movement Statistics Summary window. Fix any exceptions and rerun the report. You can rerun this report as many times as is necessary. See: Viewing and Maintaining Movement Statistics: page 7 – 35.
4. Run the Movement Statistics Report in summary and detail format. See: Movement Statistics Report: page 15 – 140. If necessary, update the movement statistics records.
5. Run the Movement Statistics Report in Official Summary format. See: Movement Statistics Report: page 15 – 140. After you run this report, the status of the movement statistics records changes to *Frozen*.

   Note: You can reset the status of *Frozen* to *Open* by running the Movement Statistics Reset Status Report. See: Movement Statistics Reset Status Report: page 15 – 136.

Viewing and Maintaining Movement Statistics

Use the Movement Statistics window to view and maintain information associated with the movement of goods. You can automate the collection of this information through the Movement Statistics Parameters and Economic Zones setup windows.

You can also link movement statistics to financial transaction information, such as document numbers and invoices. See: Overview of Movement Statistics: page 7 – 30.

You can also manually enter movement information associated with material transactions that are not captured by Oracle Inventory and Purchasing, such as fixed assets.

Defaults in the Movement Statistics Window

The following defaults are used within the Movement Statistics window. The default value has the appropriate country prefix. If the new country–specific default is valid, it is displayed. If the constructed country–specific default is not valid, there is no default.

Defaults from Purchase Order Receipts:

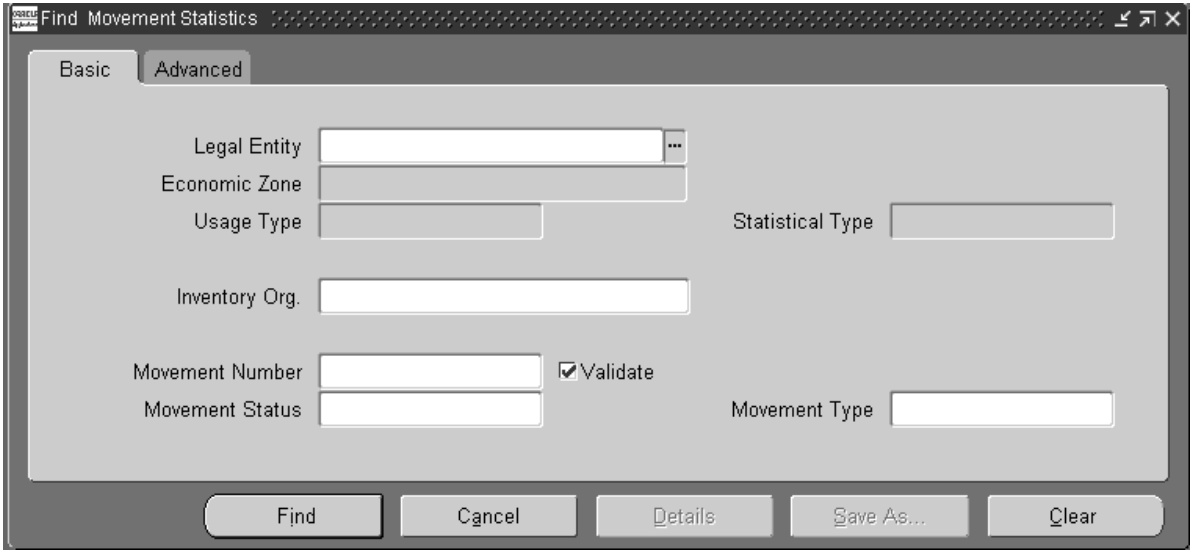
Transaction Nature	Purchase order receipts line transaction reason code
Delivery Terms	Purchase order receipts header free–on–board terms
Transport Mode	Purchase order receipts header freight carrier

Prerequisites

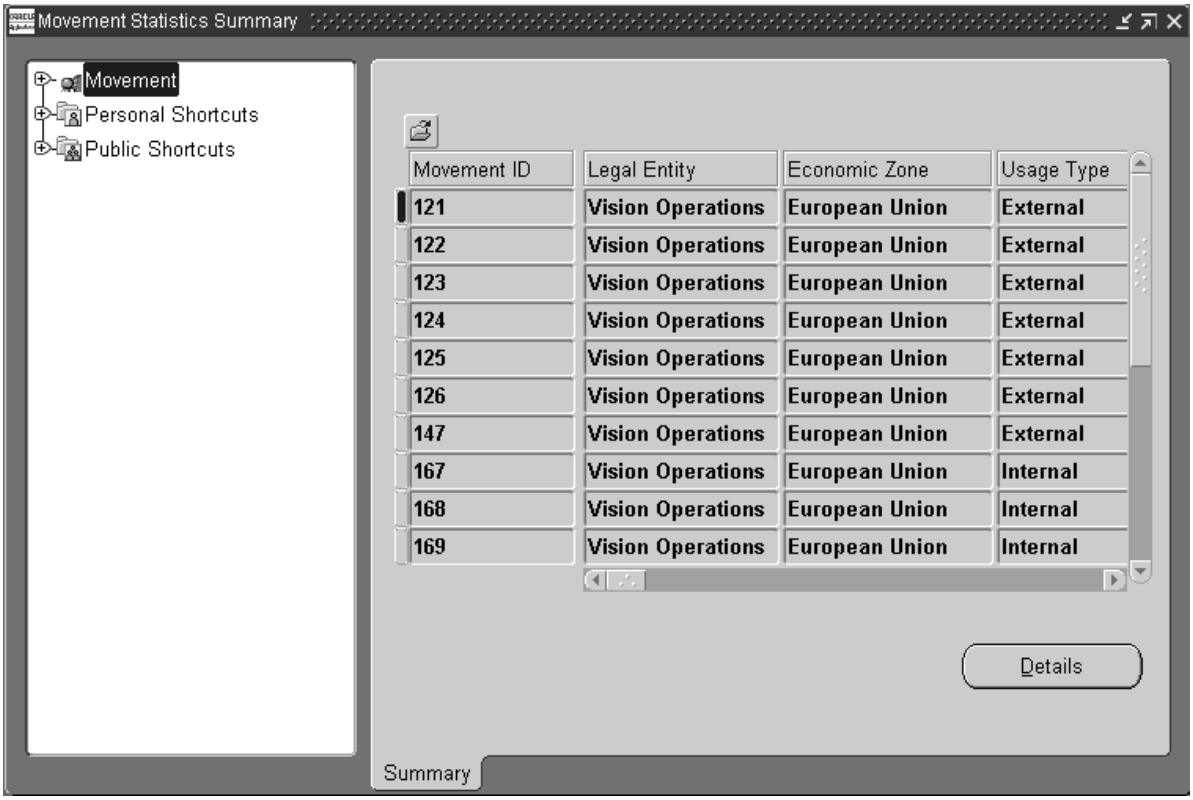
- ❑ Define movement statistics parameters. See: Setting Up Movement Statistics: page 7 – 33.
- ❑ Define economic zones. See: Setting Up Movement Statistics: page 7 – 33.

▶ **To view movement statistics:**

1. Navigate to the Movement Statistics Summary window. The Find Movement Statistics window appears.



2. Enter search criteria to find an existing movement statistics record or close the Find Movement Statistics window to enter a new record. The Movement Statistics window appears.



If you searched for an existing record, the following information is displayed at the top of the window:

Movement ID: When you save the movement statistics information, the system assigns a unique movement number to identify it. This creates a *movement statistics entry.* You can use the number to view specific movement statistics entries.

Status: The status of the entry, *Open*, *Unprocessed*, or *Frozen*. If the status is Frozen, you cannot change information associated with the entry.

Report Reference: The number entered when this entry was officially reported and frozen.

Report Period: The date this entry was officially reported and frozen.

3. Select the movement type.

   Arrival: Report arrival movement statistics.

Arrival Adjustment: Report adjustments to prior period arrival movement statistics.

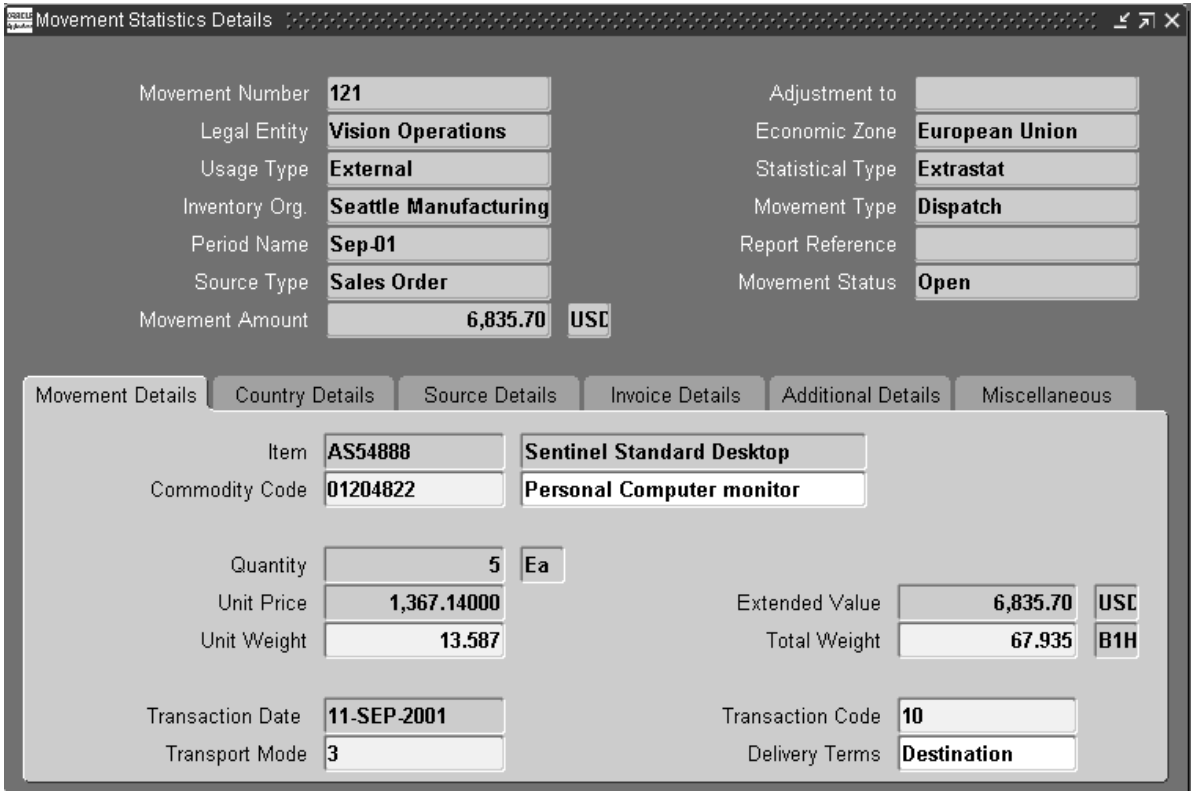
Dispatch: Report dispatch movement statistics.

Dispatch Adjustment: Report adjustments to prior period dispatch movement statistics.

4. Enter the amount that appears on the material movement transaction document.
5. Select the document source type.
6. Enter the name of the legal entity associated with this record.
7. Enter the currency.

▶ **To enter source detail information:**

1. Select the Source Details tabbed region. When you access this window from the Tools menu, default information in this region is supplied from your window of origin.



2. When the movement type is Arrival and the source type is Inventory, enter the organization from which the goods were sent in the From Organization field. If the movement type is Dispatch, the current organization is displayed as the default.
3. When the movement type is Dispatch and the source type is Inventory, enter the organization to which the goods were sent in the To Organization field. If the movement type is Arrival, the current organization is displayed as the default.
4. When the source type is Sales Order, enter the customer name, number, and location.

   When the source type is Purchase Order, enter the supplier name, number, and site.
5. Enter the source document number and line number for the selected source type. For example, if you entered a source type of Purchase Order, enter the corresponding purchase order number and line number.
6. Enter the shipment number and shipment line number associated with the movement.
7. Enter the pick slip number associated with the movement.
8. Enter the receipt number associated with the movement.

▶ **To enter invoice details information:**

1. Select the Invoice Details tabbed region. This region is not available for the source type Inventory.
2. When the source type is Sales Order, enter the customer bill–to name, customer number, and customer site.
3. Enter the invoice batch, invoice number, and invoice line number associated with the invoice information.
4. Enter the quantity of this movement invoice. The default is the transaction quantity if it has been entered. When the source type is Sales Order**,** the movement quantity is displayed.
5. Enter either the unit price or the extended value. Oracle Inventory calculates the other value.

▶ **To enter movement details information:**

1. Select the Movement Details tabbed region. When you access this window from the Tools menu, default information in this region is supplied from your window of origin.

2. For adjustment transactions only, enter the adjustments to movement number.
3. Enter the transaction date.
4. Enter the inventory item number or, if you have not entered an item number, the item description.
5. Enter the transaction UOM.
6. If a category set to hold commodity codes and a commodity code exists for the item, it is displayed. If no default exists, or if you want to override the default value, enter the appropriate commodity code. If you do not enter a commodity code, you can enter a commodity code description.
7. Enter the transaction quantity for this movement.

▶ **To enter country detail information:**

1. Select the Country Details tabbed region.
2. Enter the dispatch country in the Dispatch field. Oracle Inventory displays your country for dispatches. For arrivals, it displays either the supplier's or customer's country, depending on the transaction.
3. Enter the destination country in the Destination field. Oracle Inventory displays your country for arrivals. For dispatches, it displays either the supplier's or customer's country, depending on the transaction.
4. Enter the country of origin in the Origin field. Inventory displays either the dispatch or destination country based on the transaction.
5. Enter the transaction code.
6. Enter the delivery terms code.
7. Enter the transport mode.
8. Enter the port where the goods entered the country for arrivals or left the country for dispatches.
9. Enter the area where the goods entered the country for arrivals or left the country for dispatches.
10. Enter the statistical type for the movement. This can also be the import type, the regime, or a user–defined type.
11. Enter the unit weight or total weight for the item, and Oracle Inventory will calculate the other value. If you leave both weight fields blank, Inventory calculates the weight at report time using the item unit of measure conversions.

▶ **To enter additional movement details:**

1. Select the More Movement Details tabbed region.
2. Enter either an adjustment percentage or an adjustment amount. Oracle Inventory calculates a statistical value by applying the adjustment percentage or adjustment amount to the transaction value.
3. If you entered an adjustment percentage or amount, Oracle Inventory calculates the statistical total value for you. You can also enter the total value without entering an adjustment percentage or amount. If you do not enter any of the statistical value information, the report calculates the total value using a country specific routine.
4. Enter comments associated with the movement.
5. Enter an alternate quantity other than the transaction quantity to represent the amount of goods moved. If you enter an alternate quantity, you can record the alternate UOM code for the goods moved. For example, alcohol can be sold be sold by the case, but the alternate quantity can be the amount of pure alcohol in hectoliters.
6. Select the outside price code. You can enter *Repair*, *Process*, or *Other*.
7. Enter either the outside unit price or the outside extended value. Oracle Inventory calculates the other value.
8. Save your work.

See Also

Overview of Movement Statistics: page 7 – 30

Defining Movement Statistics Parameters: page 6 – 36

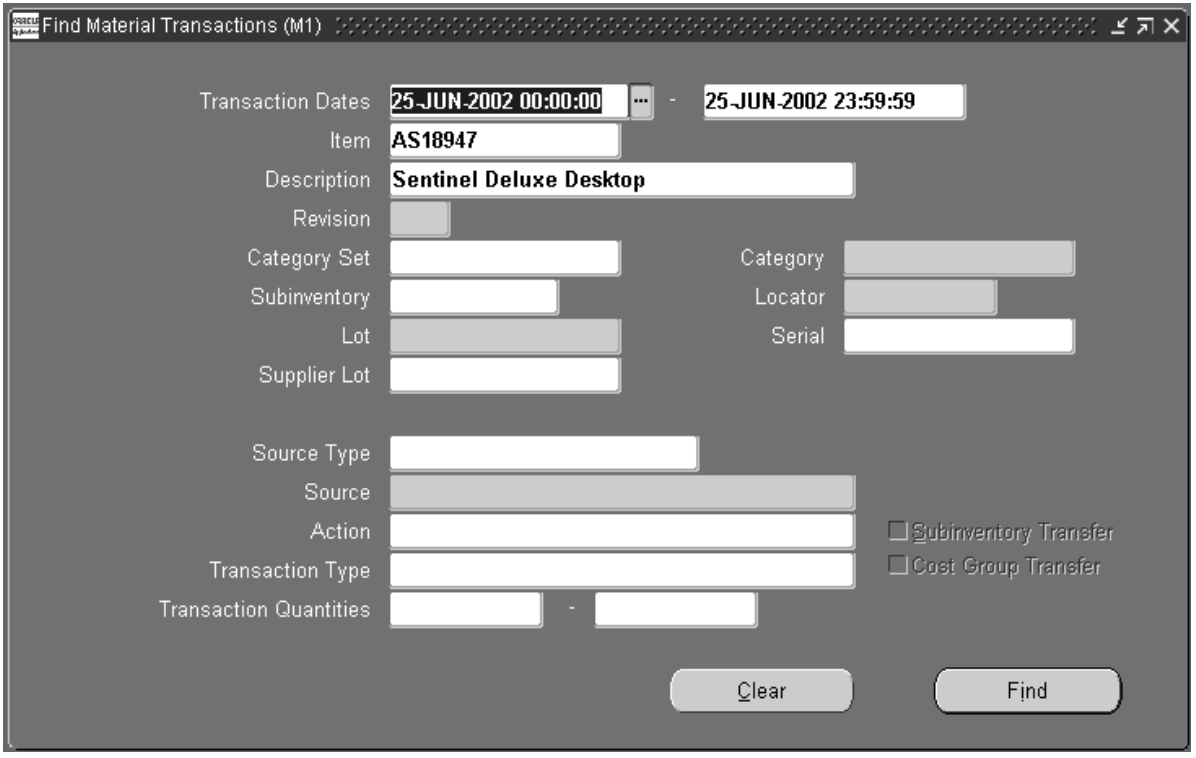
Defining Economic Zones: page 6 – 34

Viewing Material Transactions

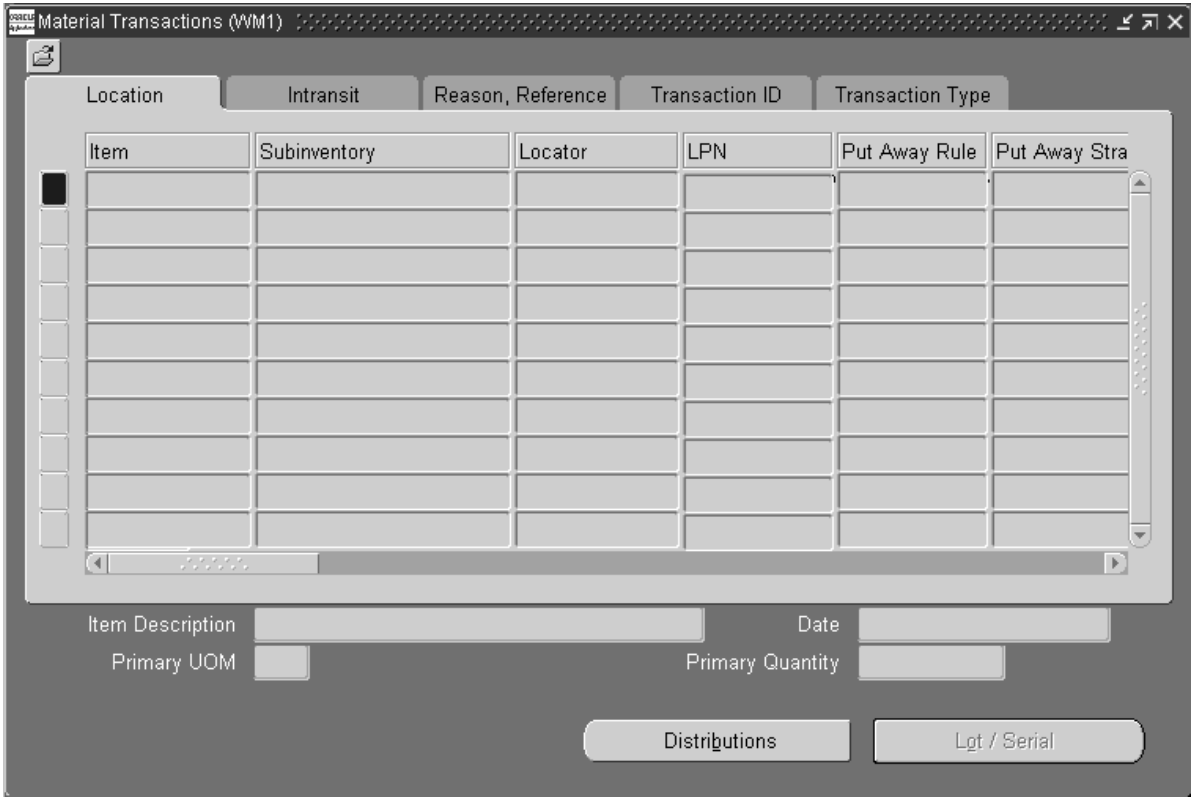
You can view detail associated with inventory transactions. You can search for transaction information by entering a combination of search criteria.

▶ **To view detail associated with inventory transactions:**

1. Navigate to the Material Transactions folder window. The Find Material Transactions window appears.



2. Enter any combination of search criteria and choose Find. The results display in the Material Transactions folder window.



3. View information in the following tabbed regions:

   Location: Displays the item, subinventory, locator, revision, transfer locator, transfer subinventory, transfer organization, transaction date, and transaction type information.

   If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), this form will also display LPN (LPN unpacked), Put Away Rule, Put Away Strategy, Pick Strategy, Pick Rule, Transfer LPN (LPN packed), and Content LPN (LPN transacted) information. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

   Intransit: Displays the item, shipment number, waybill / airbill number, freight code, container, quantity, and transaction type information.

   Reason, Reference: Displays the item, transaction reason, transaction reference, costed indicator, supplier lot, source code, source line ID, and transaction type information.

Transaction ID: Displays the item, transfer transaction ID, transaction header number, receiving transaction ID, move transaction ID, transaction UOM, completion transaction ID, department code, operation sequence number, transaction quantity, transaction ID, transaction date, source type, source, transaction type, source project number, source task number, project number, task number, to project number, to task number, expenditure type, expenditure organization, error code, and error explanation information.

Transaction Type: Displays the item, source, source type, transaction type, transaction action, transaction UOM, transaction quantity, transaction ID, and transaction date information.

▶ **To view lot/serial number information for a transaction:**

1. Select a transaction and choose the Lot / Serial button.
2. View information on lot / serial numbers, quantities, and locations.

▶ **To view transaction distribution information:**

- Choose the Distributions button. See: Viewing Material Transaction Distributions, *Oracle Cost Management User's Guide*.

See Also

Overview of Inventory Transactions: page 7 – 2

Overview of Transaction Setup: page 6 – 2

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

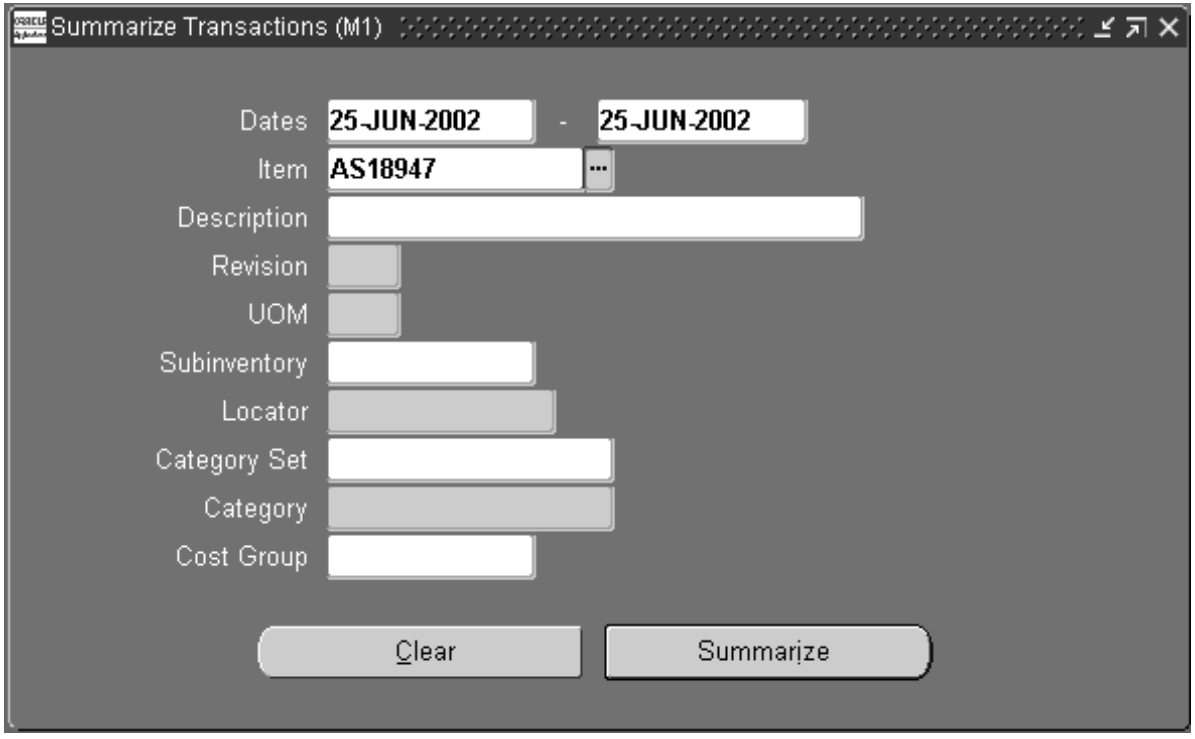
Searching for Information, *Oracle Applications User's Guide*

Viewing Transaction Summaries

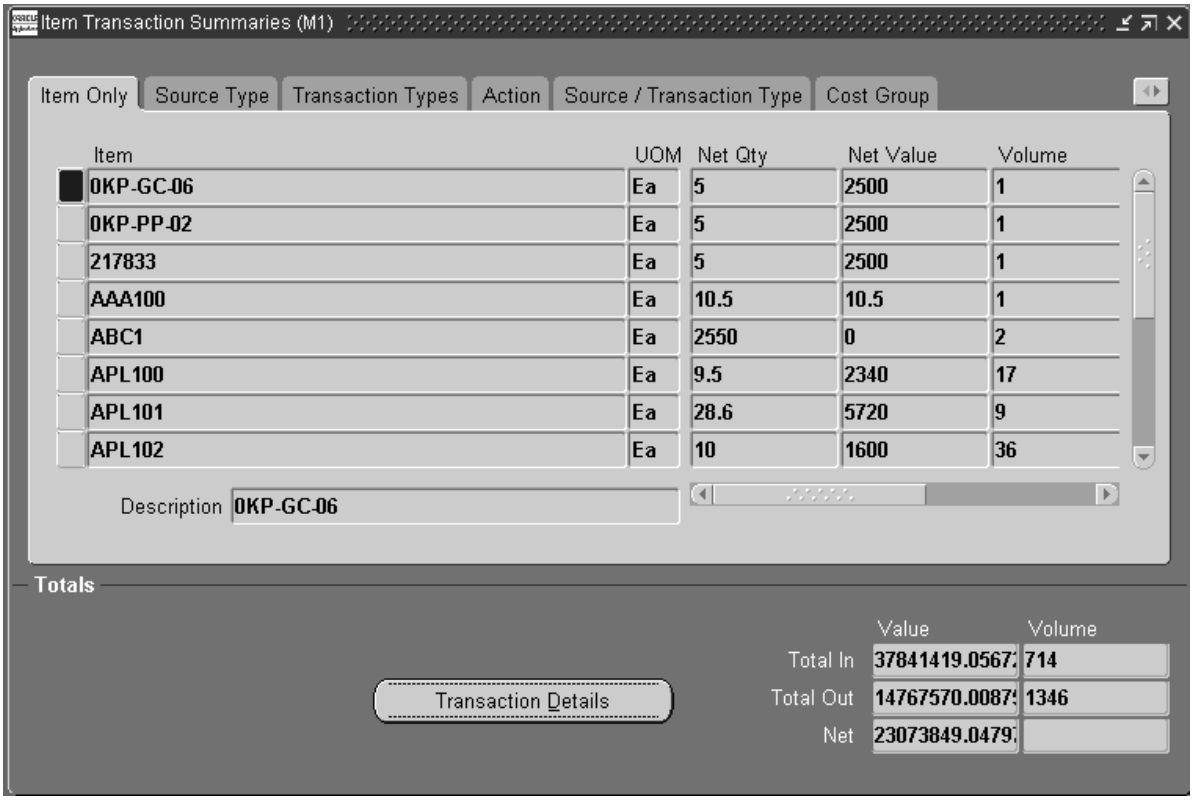
You can view transaction summaries for items transacted within a specified date range. You can use search criteria to further narrow the focus of the information summarized. You can use this information for input/output and transaction history analysis.

▶ **To view transaction summaries:**

1. Navigate to the Summarize Transactions window.



2. Enter the date range to summarize.
3. Enter an item or a subinventory. If you do not enter an item, the search includes all items with transactions falling within the date range specified.
4. Optionally, enter additional search criteria to narrow the focus of the summarized information.
5. Choose the Summarize button. The results appear in the Item Transaction Summaries window.



Values displayed for each item include the unit of measure, net quantity, net value, volume (number of transactions), absolute quantity, and absolute value. Transaction totals include total value in, total volume in, total value out, total volume out, and net value. These values are for the date range you specified.

6. Select from the different tabbed regions to view the summary information by Items Only, Source Type, Action, Transaction Type, and Source / Transaction Type.

▶ **To view detail information for an item in the Item Transaction Summaries window:**

1. Select an item.
2. Choose the Transaction Details button. See: Viewing Material Transactions: page 7 – 42.

▶ **To view detail accounting lines:**

- Choose View Accounting from the Tools menu to open the View Material Accounting window. In this window, you can view the detail accounting lines for the transaction in the form of a balanced accounting entry (where debits equal credits). You can also choose to view the detail accounting as t–accounts. See: Viewing Accounting Lines: page 7 – 47.

Viewing Accounting Lines

When you query a material transaction in Inventory, you can choose to view the detail accounting lines for the queried transaction in the form of a balanced accounting entry (where debits equal credits). You can also choose to view the detail accounting as t–accounts. Use these features to see how a transaction will affect the account balances in your general ledger.

▶ **To view accounting lines:**

1. Query the material transaction for which you want to view accounting lines.
2. Choose View Accounting from the Tools menu.

   See: View Accounting Windows, below.
3. (Optional) To view the accounting detail as t–accounts, choose the T–Accounts button.

   See: Viewing T–Accounts, *Oracle General Ledger User's Guide*

View Accounting Windows

The first time you open the View Material Accounting window, the following information will be displayed for the detailed accounting lines:

Account	Operation Sequence
Accounted Credit	Primary Quantity
Accounted Debit	Reference
Accounting Date	Rev
Cost Element	Subinventory
Curr Conversion Rate	Trans Reason
Entered Credit	Trans Source Type

Entered Curr	Trans Source
Entered Debit	Transaction Date
GL Batch	Transaction Type
Item	Unit Cost
Line Type	UOM
Locator	

When you select a detailed accounting line, the system displays the following information at the bottom of the View Material Accounting window:

Account Desc	Revision
Description	Unit Cost
Item	UOM
Quantity	

Customizing the View Accounting Window

The View Material Accounting window is a *folder*. You can easily customize the information that is displayed in the window, as described in the *Oracle Applications User's Guide*.

When customizing the View Material Accounting window, you can hide the columns that normally appear in the window and you can choose to display any additional columns that are available.

Following is a list of all the hidden columns that you can choose to display:

Account Description	Line Reference
Curr Conversion Date	Trans ID
Curr Conversion Type	Transferred to GL
Item Description	

Drilling Down to Inventory from Oracle General Ledger

From General Ledger, you can drill down to subledger details from the Account Inquiry, Journal Entry Inquiry, or Enter Journals windows for journals that have specific journal sources assigned to them. For example, if a journal source is Inventory, you can drill down to the transaction details in Oracle Inventory.

When you drill down from General Ledger, the Inventory Accounting Lines window will open. The first time you open this window, the following information will be displayed:

Accounting Date	Primary Quantity
Cost Element	Reference
Credit	Rev
Currency	Subinventory
Curr Conversion Rate	Trans ID
Debit	Trans Reason
Entered Credit	Trans Source
Entered Debit	Trans Source Type
GL Batch	Transaction Date
Item	Transaction Type
Line Type	Unit Cost
Locator	UOM
Operation Sequence	

When you select a detailed accounting line, the system displays the following information at the bottom of the window:

Description	Revision
Item	Unit Cost
Quantity	UOM

Customizing the Drilldown Window

The drilldown window is a *folder*. You can easily customize the information that is displayed in the window, as described in the *Oracle Applications User's Guide*.

When customizing the drilldown window, you can hide the columns that normally appear in the window and you can choose to display any additional columns that are available.

Following is a list of all the hidden columns that you can choose to display:

Account	Curr Conversion Type
Account Description	Item Description
Curr Conversion Date	Line Reference

Drilling Down Further

From the Inventory Accounting Lines window, you can drill down even further to view detail transactions or you can choose to view the underlying transaction accounting.

▶ **To drill down to detail transactions or to view transaction accounting:**

1. From the Inventory Accounting Lines window, select a detail accounting line.
2. Choose the Show Transaction button to view detail transactions.
3. Choose the Show Transaction Accounting button to view the transaction accounting.

See Also

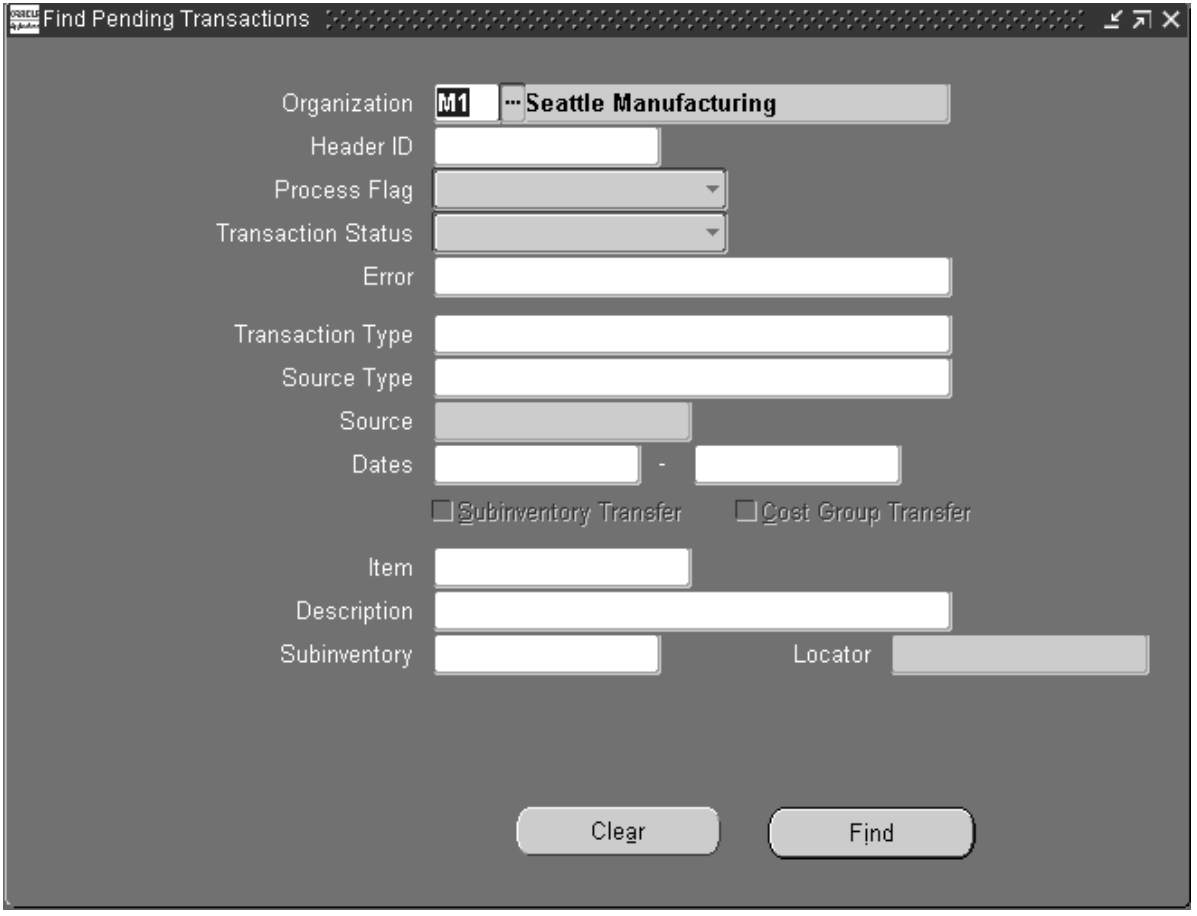
Viewing Accounting Lines: page 7 – 47

Viewing Pending Transactions

You can view, edit, and correct pending transactions before validation. These include transactions received through the transaction interface or those processed with the background processing option. Using the folder or single row windows, you can choose how to view the information appropriate for a particular transaction. You can also resubmit transactions for processing.

▶ **To view pending transactions:**

1. Navigate to the Pending Transactions folder window. The Find Pending Transactions window appears.



2. Enter search criteria for the pending transactions you want to view. You can search for transactions based on processing information, source, or item details.
3. Choose Find to start the search. The results display in the Pending Transactions window.
4. Select a tabbed region to display a type of information:

   Error: Pending transaction error information.

   Location: Pending transaction location information.

   Source: Pending source information

   Intransit: Pending intransit shipping information.

   Others: Miscellaneous header and costing information.

   Note: For a list of the available fields you can display in each tabbed region see: Pending Transactions Folder Window Available Fields: page 7 – 53.

▶ **To resubmit transactions to the demand manager for processing:**

1. Check the Submit option next to the transactions you want to resubmit or choose Resubmit All from the Tools menu.

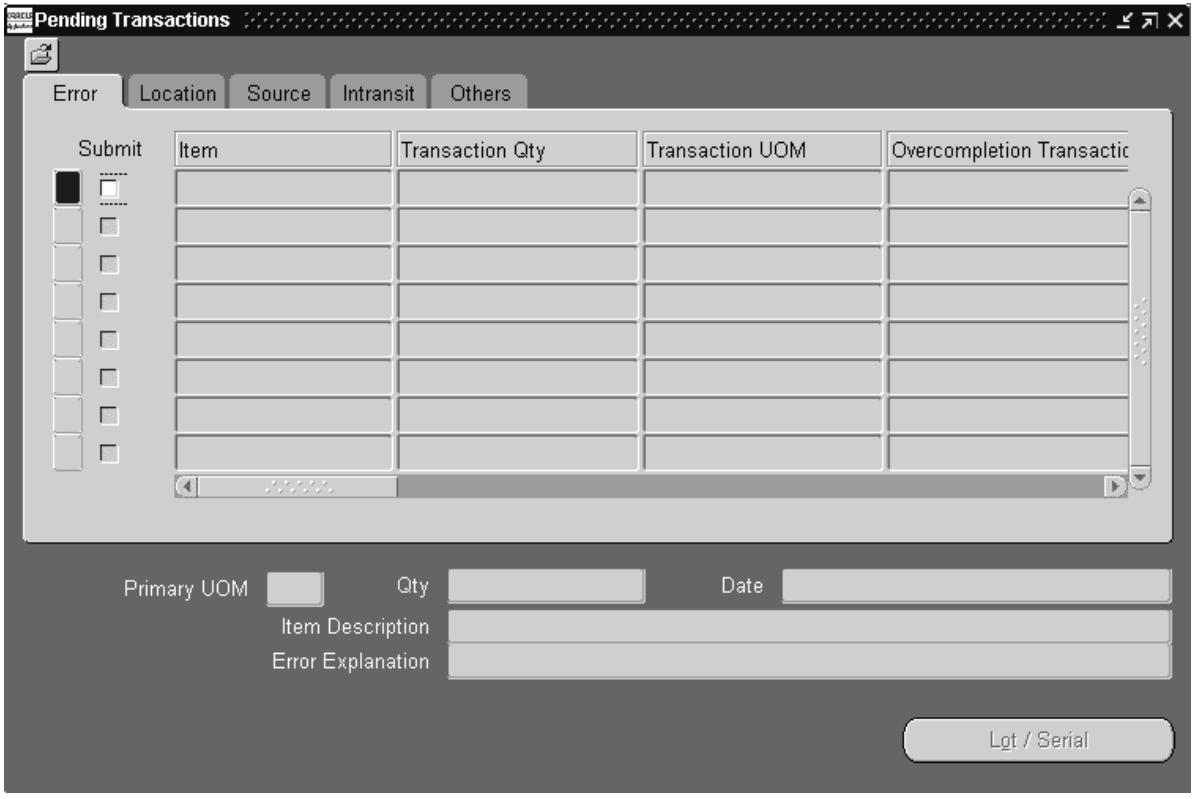
   If you have many transaction to resubmit, use the Resubmit All option to select all transactions for processing and then selectively deselect individual transaction you do not want to resubmit.
2. Save your work to submit the transactions for processing.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Pending Transactions Folder Window Available Fields

The Pending Transactions folder window allows you to view detailed information about pending transactions. Using folder options you can display certain fields for each tabbed region. See: Viewing Pending Transactions: page 7 – 51.



Fields Shared by All Tabbed Regions

Item	Inventory item referenced by the line item.
Transaction Date	Date the transaction was entered for processing.
Transaction Qty	Quantity of this transaction.
Transaction Type	Displays the transaction type.
Transaction UOM	Unit of measure used in the transaction.

Error Tabbed Region

Error Code	Code describing the error on the last attempt to process the line item.
Error Explanation	Full explanation of the error that occurred when attempting to process the line item.
Process Flag	Indicates whether this row has been processed by the concurrent manager.
Transaction Header ID	Number used to group transactions in the concurrent manager.
Transaction Mode	Method used to process the line item, such as concurrent processing.
Transaction Temp ID	Identifier used to group line items. This is optionally provided by the product generating the internal transaction.
Transaction Status	Status of the transaction: Select *Pending* or *Suggested*. *Pending* indicates transactions that are ready to be allocated. *Suggested* indicates transactions that have been detailed and are ready to be transacted.

Location Tabbed Region

Org Code	Code for the organization referenced by the line item.
Revision	Revision of the inventory item referenced by the line item.
Locator	Location referenced by the line item.
Lot Expiration Date	Date controlling the availability of the lot for transaction and planning purposes.
Lot Number	Identifies the specific batch of the line item.
Serial Number	Serialized unit of the line item.
Subinventory	Subinventory referenced by the line item.
Transfer Org Code	Code for the destination organization.
Transfer Subinventory	Destination subinventory.
Transfer Location	Destination location.

Source Tabbed Region

Distribution Account	Distribution account for the line item.
Reason Name	Transaction reason for the line item.
Transaction Action	Transaction action for the line item.
Transaction Cost	Cost of the item for the transactions, such as the purchase order price.
Transaction Reference	Up to 240 characters of free text describing the transaction.
Transaction Source	Source of the transaction, such as account number.
Transaction Source Type	Source type of the transaction, such as WIP Job or Schedule.

Intransit Tabbed Region

Containers	Number of containers in which the material is stored for the transfer.
Expected Arrival Date	Date you expect to receive the material at the destination organization.
Freight Code	Freight carrier for the transaction.
Shipment Number	Shipment number for the line item.
Transfer Cost	Cost to process the transfer.
Transportation Cost	Cost to physically transfer the material, such as freight carrier charges.
Transportation Account	General ledger distribution account that collects the costs associated with using the freight carrier for the transfer.
Waybill Airbill	The waybill or airbill number for the transfer.

Others Tabbed Region

Expenditure Organization	The expenditure organization.
Expenditure Type	The expenditure type.

Department Code	Oracle Work in Process department code for the line item.
Employee Code	Employee who entered the transaction.
Encumbrance Account	Account used by Oracle Purchasing to receive the item.
Encumbrance Amount	Amount encumbered, reserved against funds, when the purchase order or requisition was approved.
Line Code	Request ID assigned by the concurrent manager to the line item.
Location Code	Ship–to location.
New Average Cost	Recalculated average unit cost for the item.
Operation Seq Number	Number associated with the job or schedule referenced by the line item
Percentage Change	Percentage used to update the item cost.
Project Number	The project number.
Source Project Number	The source project number.
Source Task Number	The source task number.
Task Number	The task number.
To Project Number	The to project number.
To Task Number	The to task number.
Transaction Source Delivery ID	Line item detail identifier of the demand source.
Transaction Source Line ID	Oracle Work in Process line description for the item.
Value Change	Amount used to increment the current inventory value.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Viewing and Updating Transaction Open Interface Activity

You can view, edit, and correct transactions for the current organization, or for multiple organizations in a given organization hierarchy, received through the transaction open interface. Using the folder or single row windows, you can choose how to view the information appropriate for a particular transaction. You can also resubmit transactions for processing.

▶ **To view pending open interface transactions:**

1. Navigate to the Transaction Interface folder window. The Find Transactions window appears.
2. Enter search criteria for the transactions you want to view. You can search for transactions based on processing information or transaction details.

   Note: You can choose any organization hierarchy in which the current inventory organization is a member. You can see the organization that a particular transaction belongs to in the Transaction Interface form.
3. Choose Find to start the search. The results display in the Transaction Interface window.
4. Select a tabbed region to display a type of information:

   Error: Interface transaction error information.

   Location: Interface transaction location information.

   Source: Interlace source information

   Intransit: Interface intransit shipping information.

   Others: Miscellaneous header and costing information.

   Note: For a list of the fields you can view see: Transaction Interface Folder Window Available Fields: page 7 – 58.

▶ **To resubmit transactions for processing:**

1. Check the Submit option next to the transactions you want to resubmit or choose Resubmit All.

   If you have many transaction to resubmit, use the Resubmit All button to select all transactions for processing and then selectively deselect individual transaction you do not want to resubmit.
2. Save your work to submit the transactions for processing.

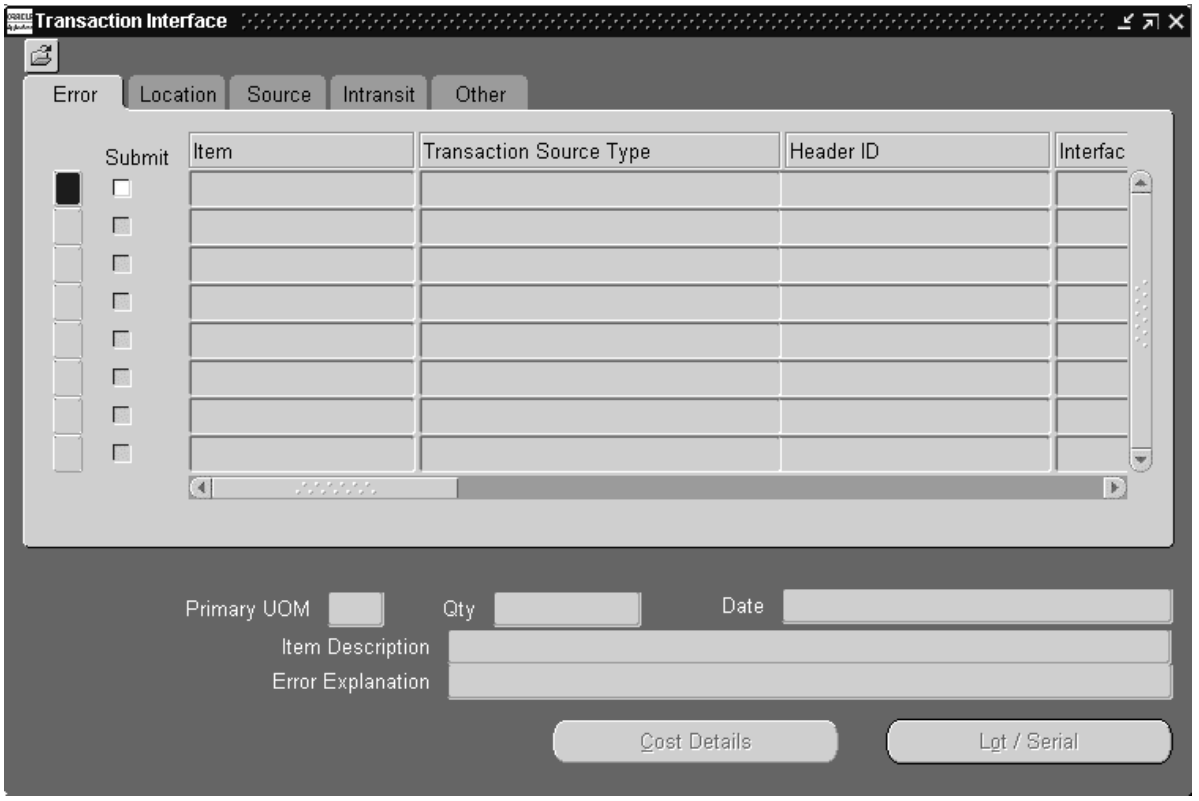
See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Transaction Interface Folder Window Available Fields

The Transaction Interface folder window allows you to view pending interface transactions. Using folder options you can display certain fields for each tabbed region. See: Viewing and Updating Transaction Open Interface Activity: page 7 – 57.



Fields Common to All Regions

Item	Inventory item referenced by the line item.
Transaction Source	Source of the transaction, such as account number.
Transaction Source Type	Source type of the transaction, such as WIP Job or Schedule.

Error Tabbed Region

Error Code	Code describing the error on the last attempt to process the line item.
Error Explanation	Full explanation of the error that occurred when attempting to process the line item.
Header ID	Line item's transaction header ID.
Interface ID	Interface ID that is assigned by the external system to track a set of transactions through the Oracle Inventory transaction interface processor.
Lock Flag	Indicates if the row and its child rows are locked to update from other processes.
Process Flag	Indicates whether the row has been successfully processed by the concurrent manager, is available for processing, or processed with an error.
Request ID	Line item's request ID.
Transaction Mode	Method used to process the line item, such as concurrent processing.

Location Tabbed Region

Locator	Locator referenced by the line item.
Organization	Organization code of the organization referenced by the line item.
Revision	Revision of the inventory item referenced by the line item.
Subinventory	Subinventory referenced by the line item.

Transaction Date	Date the transaction was entered for processing.
Transaction Quantity	Quantity of the transaction.
Transaction UOM	Unit of measure used in the transaction.
Transfer Locator	Destination location.
Transfer Organization	Organization code of the destination organization.
Transfer Subinventory	Destination subinventory.

Source Tabbed Region

Distribution Account	Distribution account for the line item.
Reason	The transaction reason.
Source Code	Source of the transaction, such as account number.
Source Line ID	User–entered line ID of the source code for the line item.
Transaction Action	The transaction action
Transaction Cost	Cost to process the transaction.
Transaction Reference	Reference text describing the transaction.
Transaction Type	The transaction type.

Intransit Tabbed Region

Containers	Number of containers in which the material is stored.
Expected Arrival Date	Date you expected to receive the material at the destination organization.
Freight Code	The freight carrier for the transfer.
Shipment Number	Number uniquely identifying the item or items transferred.
Transfer Cost	Cost to process the transfer.

Transportation Account	General ledger account charged with the value entered in the Transportation Cost field.
Transportation Cost	Cost to physically transfer the material, such as freight carrier charges.
Waybill Airbill	The waybill or airbill number for the transfer.

Others Tabbed Region

Department	Oracle Work in Process department code for the line item.
Employee Code	Employee who entered the transaction.
Encumbrance Account	Account used by Oracle Purchasing to receive the item.
Encumbrance Amount	Amount encumbered, reserved against funds, when the purchase order or requisition was approved.
Expenditure Organization	The expenditure organization.
Expenditure Type	The expenditure type.
Demand Source Header ID	Source of the demand for the line item, such as an account number.
Demand Source Delivery	Line item detail identifier of the demand source.
Demand Source Line	Line number from the demand source, such as Sales Order line number.
New Average Cost	Recalculated average unit cost for the item.
Operation Seq Number	Number associated with the job or schedule referenced by the line item
Percentage Change	Percentage used to update the item cost.
Project Number	The project number.
Source Project Number	The source project number.
Source Task Number	The source task number.
Task Number	The task number.

To Project Number	The to project number.
To Task Number	The to task number.
Transaction Source Delivery ID	Line item detail identifier of the demand source.
Transaction Source Line ID	User–entered line ID of the source code for the line item.
Value Change	Amount used to increment the current inventory value.

Planning Transfer Transaction

Vendor Managed Inventory is a procurement and planning practice in which you delegate key inventory management functions to one or more suppliers. Under this arrangement, the supplier determines the items, quantities, and delivery schedules on your behalf based on information the supplier receives from your inventory and procurement systems.

Planning transfers enables you to assume the planning responsibility from the supplier. This transaction does not move goods, it changes the planning organization from the supplier site to the internal organization that holds the goods. After you perform a planning transfer and run collection, your supplier can no longer see the transferred quantity in the on hand quantity column.

▶ **To enter a planning transfer transaction transaction:**

1. Navigate to the Planning Transfer window.

2. Enter the date and time of entry for the transaction.

The date you can enter is controlled by the *INV:Transaction Date Validation* profile option. See: Oracle Inventory Profile Options: page 1 – 26.

3. Select Transaction Lines.

4. Enter an inventory item to issue or receive. If you choose to default inventory information from the serial number, enter a serial number.
5. Enter the revision for the item to issue or receive. You must enter a value in this field if the item is under revision control.
6. Enter the Subinventory. This is the subinventory where the vendor managed inventory resides.
7. Enter the Supplier. This is the supplier from which you receive the consigned inventory.
8. Enter the Supplier Site. This is the location from which you receive the consigned inventory.

9. Enter a unit of measure. This can be the primary unit of measure (the default) or any valid alternate unit of measure.

   If you enter an alternate unit of measure, Oracle Inventory issues the quantity you specify in this unit of measure. Oracle Inventory also converts the quantity to the primary unit of measure so that it can correctly update the on–hand quantity.

10. Enter the quantity of the inventory item to issue or receive, based on the unit of measure you specified.

11. Optionally, enter a reason code for the transaction. For example, you can use reason codes to allow you to mark exceptional charges to support quality data collection.

12. Optionally, enter up to 240 characters of free text that describe the transaction.

▶ **To enter lot or serial number information.**

- Choose the Lot / Serial button. See: Assigning Lot Numbers: page 7 – 23 and Assigning Serial Numbers: page 7 – 24.

▶ **To process the transaction:**

- Save your work.

See Also

How do I set up Collaborative Planning with Oracle Advanced Supply Chain Planning or another Oracle ERP system? *Oracle Collaborative Planning Online Help.*

Purging Transaction History

You can purge all transaction history and associated accounting information for your current organization, where the transaction date is before and including the purge date you enter and is in a closed period.

> **Note:** You should be extremely cautious when purging transaction information. Once you commit the process, Oracle Inventory removes all related information from the database. You cannot view or report on this information once you purge it. For example, you can no longer report purged information with the Accrual Reconciliation Report, the Transaction Register, and so on.
>
> **Note:** Since the Job / Lot Composition functionality in Oracle Work in Process depends on the material transaction history, you should not enter a purge date which purges material transactions that are part of a genealogy you want to retain. See: the Job Lot Composition Report, *Oracle Work in Process User's Guide*.

Prerequisites

- ❑ At least one closed period for your organization. See: Maintaining Accounting Periods: page 10 – 7.

▶ **To purge transactions:**

1. Navigate to the Purge Transactions or All Reports window.
2. Enter *Transaction Purge* in the Name field. The Parameters window appears.
3. Enter a name for your purge.
4. Enter a date. Oracle Inventory purges transaction information if the transaction date is less than or equal to this date. This date must be less than or equal to the most recently closed period date.
5. Choose Submit to launch the process.

See Also

Overview of Inventory Transactions: page 7 – 2

Overview of Move Orders

Move orders are requests for the movement of material within a single organization. They allow planners and facility managers to request the movement of material within a warehouse or facility for purposes like replenishment, material storage relocations, and quality handling. You can generate move orders either manually or automatically depending on the source type you use.

Note: Move orders are restricted to transactions within an organization. If you are transferring material between organizations, you must use the internal requisition process. See: Overview of Internal Requisitions, *Oracle Purchasing User's Guide*.

Major Features

Managed Material Flow in a Facility

Move orders allow you to distinguish between inventory management processes and the actual material transaction process. This provides for the following:

Quick response

You can request a transaction and forward the request to a picker for transaction execution. The request is tracked in Oracle Inventory, which allows you to avoid manual systems, thus eliminating inaccurate transfer of information. Also, Oracle Inventory replenishment functionality can automatically generate move orders without the intervention of an item planner. This results in faster inventory replenishment, with minimal human intervention.

Warehouse visibility

Move orders use inventory picking rules to determine where to source material for a subinventory or account transfer. This ensures that the same mechanisms created to rotate material properly for deliveries can be used to rotate material within the facility.

Tracking

Move orders can be transacted through APIs. This allows you to transact material using mobile devices, giving you better material visibility and accuracy. Move orders can also be created to cross dock material to staging locations.

Move Order Source Types

Oracle provides three types of move orders: 1) Move order requisitions, 2) Replenishment move orders, and 3) Pick wave move orders. The move order type refers to the entity that created the move order. For all move orders, the final result is one of the two supported transactions: subinventory transfer or account issue.

Move Order Requisitions

A move order requisition is a manually generated request for a move order. It is available for subinventory transfers and account transfers. Once a requisition has been approved, it becomes a move order. These requests can optionally go through a workflow–based approval process before they become move orders ready to be sourced and transacted. See: Generating Move Order Requisitions: page 7 – 72.

Replenishment Move Orders

You can automatically create pre–approved move orders using the following planning and replenishment functions. These processes generate move orders if the material is sourced from another inventory location within the organization.

Min–Max Planning:	When a minimum quantity for a specific item is reached in inventory, you can use a move order to replenish the supply.
Replenishment Counting	If a system that uses replenishment counting triggers an item for replenishment, you can use move orders to replenish the supply.
Kanban Replenishment	When a kanban card signals the need to release an item into a subinventory, you can generate a move order to handle the release.

For min–max planning and replenishment counting, you can set the subinventory source type at the following levels:

- Master / Organization Items
- Subinventory
- Item Subinventory

For kanban pull sequence or cards, you set the subinventory source type at the Pull Sequence level. See: Generating Replenishment Move Orders: page 7 – 77.

Pick Wave Move Orders

Pick wave move orders are pre–approved requests for subinventory transfers to bring material from a source location in the warehouse to a staging subinventory. These move orders are generated automatically by the Oracle Shipping Execution pick release process. See: Overview of Material Pick Waves: page 7 – 80.

Move Order Components

A move order comprises the following:

Move order header	Oracle Inventory uses the move order header to store the move order source type. This refers to the entity that created the move order. The header also stores the default source and destination (if known), the order number, and the requested date.
Move order lines	Move order lines are the requests on a move order. They store the item, requested quantity, completed quantity (if the move order has been partially fulfilled), and source and destination (if known). The move order lines also include any project and task references if the organization is Oracle Project Manufacturing enabled. You can also request specific serial and lot numbers on the move order line.
Move order line allocations	The line allocations are the transactions that occur to fulfill a particular move order line. You can set up your system to have Oracle Inventory's picking engine automatically fill in the allocations, or you can manually fill in the line details and edit them before you transact. If the material is locator, lot, or serial controlled, the system fills in this information at the line detail level.

Move Order Process Flow

The move order process follows the following steps:

1. **Create a move order for required material.** You can manually create a move order requisition or set up your system to automatically generate replenishment or pick wave move orders.

2. **Approve the move order lines.** If the move order requisitions require approval, the item planner must approve the move order lines.

3. **Allocate the move order**. Once the move order is approved, it must be allocated. Allocating is the process that uses Oracle Inventory picking rules to determine where to source the material to fulfill a request line. The allocating process fills in the move order line details with the actual transactions to be performed and allocates the material to the move order.

4. **Print a pick slip.** Before you transact the move order, you can print a pick slip or push the move order line allocations to mobile devices for transaction through the move order APIs.

5. **Transact move order lines.** You can either transact all the move order lines at once or transact one allocation line at a time as the items are moved. If you transact less than the requested quantity, the move order stays open until the total quantity is transacted or until the order is closed. You cannot cancel a move order line if some quantity has been transacted.

Allocating Move Orders

Move orders use Inventory picking rules to suggest source location, lot numbers, and revisions for the material to be picked. You can choose to view and update the suggested source allocations before printing a pick slip or committing the transaction. See: Defining Picking Rules: page 4 – 25.

Oracle Inventory provides a profile option, INV:Detail Serial Numbers, which allows the system to suggest serial numbers as part of the allocating process. See: Inventory Profile Options: page 1 – 26.

Note: Allocating creates a pending transaction the will be executed when you transact the line. It therefore decrements the available quantity.

Workflow for Move Order Approval Process

If you require planner approval for move order requisitions, you can use the move order approval process, which forwards move order lines to the designated item planner for approval. Oracle Inventory manages the approval process through Oracle Workflow.

To govern the move order approval process, you set two inventory organization parameters: Move Order Timeout Period and Move Order Timeout Action. The Move Order Timeout Period attribute

determines the number of days the order can wait for approval. After one time out period, if the recipient has not approved or rejected the order, a reminder notice is sent. After a second time out period, the order is automatically approved or rejected, depending on the Move Order Timeout Action attribute you set. Upon approval, additional notifications can be sent to specified individuals.

The item planner is an item attribute. If no planner is specified on the item, the requisition line will be automatically approved.

Once the order line is approved, notices are sent to a notification list that is attached to the source and destination subinventories to let the subinventory planners know that material will be moved to or from their areas.

Note: Replenishment and pick wave move orders are pre–approved.

Print Move Order Pick Slips

You can print move order pick slips before or after the move order transaction is committed. The Move Order Pick Slip report generates pick slips for move order requisitions and replenishment move orders. See: Move Order Pick Slip Report: page 15 – 19.

To generate a pick slip for pick wave move orders, you submit the Oracle Shipping Execution Pick Slip report.

See Also

Min–Max Planning: page 9 – 12

Replenishment Counting: page 9 – 50

Overview of Kanban Replenishment: page 9 – 34

Setting Up Move Orders

- Define the subinventory source type

  To automatically create move orders using min–max planning and replenishment counting, you must define the subinventory source type at one of the following levels: Subinventory, see: Defining Subinventories: page 2 – 27; or Item Subinventory, see: Assigning Subinventories to an Item: page 5 – 127 and Assigning Items to a Subinventory: page 5 – 130.

To automatically create move orders using the kanban system, you must define the subinventory source type at the pull sequence level. See: Defining Kanban Pull Sequences: page 9 – 40.

- Define approval process parameters

  To require planner approval for move order requisitions, you must define two parameters at the organization level: Move Order Timeout Period and Move Order Timeout Action. See: Defining Default Inventory Parameters: page 2 – 4.

  If you want to bypass the move order approval process and automatically approve move order requisitions, enter *0* days for the Move Order Timeout Period and select *Automatically Approve* for the Move Order Timeout Action.

  You must also assign the planner who approves move order lines to the item or organization. See: Defining Items: page 5 – 6 and Updating Organization Level Items: page 5 – 17.

  You can also specify individuals to be notified if a shortage occurs. See: Defining Shortage Parameters: page 2 – 39.

  Note: If the item being requested has no planner assigned to it, the approval process will not be enabled.

- Define item transaction defaults

  If you want to populate move order line allocations with item transaction defaults for the destination locator, you must first define the item transaction defaults. See: Defining Item Transaction Defaults: page 5 – 135.

  Note: You do not need to perform this step if you specify the locator at the time you create or allocate the move order lines.

Generating Move Order Requisitions

Use the Move Orders window to generate move order requisitions.

Prerequisites

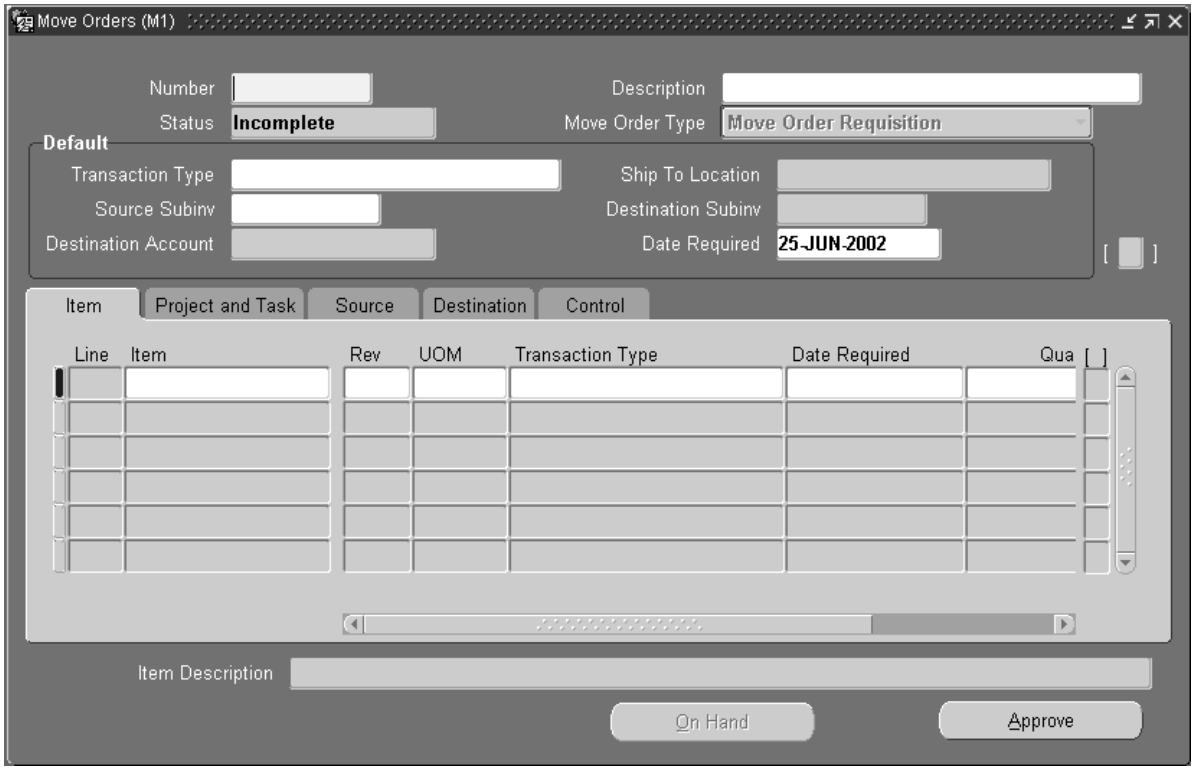
❑ Define approval process parameters

To require planner approval for move order requisitions, you must define two parameters at the organization level: Move Order Timeout Period and Move Order Timeout Action. You must also

assign the planner who approves move order lines to the item or organization. See: Setting Up Move Orders: page 7 – 71. This step is required only if you wish to require planner approval for move order requisitions.

▶ **To generate move order requisitions:**

1. Navigate to the Move Orders window.



2. Optionally, enter a move order number. To have the system automatically generate a number, tab to the Description field.
3. Optionally, enter a description.

The Status field displays *Incomplete* until the move order is approved.

4. Information in the Header block defaults to the tabbed regions. These fields can be overridden at the move order line level. Enter or select the following:

   Transaction type: The transaction type.

Account transfer: Transfer items from a subinventory to a destination account (account issue).

Subinventory transfer: Transfer items from one subinventory to another within the same inventory organization.

Source Subinventory: The source subinventory.

Destination Subinventory: The destination subinventory for subinventory transfers.

Destination Account: The destination account number for account transfers.

Date Required: The date the items are required to be transferred.

5. In the Item tabbed region, enter or update the following information:

   Line: The line number.

   LPN: The LPN put away. This field will display if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

   Item: The item number for which you want to perform a move order.

   Quantity: The quantity to be moved.

   Rev: Revision control number (if the item is under revision control).

   UOM: The unit of measure.

   Date Required: The date the items are required to be in the destination subinventory.

6. In the Project and Task tabbed region, optionally select the following (these options are available only if Oracle Project Manufacturing is installed):

   LPN: The LPN put away. This field will display if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

   Project: The project number associated with this item.

   Task: The task associated with this item.

7. In the Source tabbed region, optionally enter or update the following:

LPN: The LPN put away. This field will display if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

Subinventory: The source subinventory for this item.

Locator: The source locator.

Lot Number: The lot number (if the item is under lot control).

Serial From: The beginning serial number (if the item is under serial number control).

Serial To: The ending serial number (if the item is under serial control).

8. In the Destination tabbed region:

   If the transaction type is Subinventory Transfer, enter or update:

   LPN: The LPN put away. This field will display if you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

   Subinventory: The destination subinventory.

   If the transaction type is Account Transfer, enter or update:

   Account: The destination account.

   Optionally, enter or update:

   Locator: The destination locator.

   When you create a move order transfer, you can specify the destination locator, or leave it blank. If you leave it blank, Oracle Inventory selects a default locator for the item in the destination subinventory you specified on the move order line. If you did not define a default locator for the item in the subinventory, you receive the following error 'Failed to generate allocations. Cannot suggest a destination locater because there is no default destination locator for this item'. To avoid this problem, you must either define a locator for the item, or provide the specified destination locator to which the move order should be allocated when created.

9. In the Control tabbed region, optionally enter or update the following:

   LPN: The LPN put away. This field will display if you have Oracle Warehouse Management installed, and you are working with a

WMS enabled organization. See: and Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

Transaction Type: The transaction source type.

Reason: The transaction reason.

The window automatically displays:

Reference: Reference information about the item.

Source Type: The source type.

Source: The source entity.

Source ID: The identification number of the source entity.

Status Date: The date the status was last updated.

Status: The status of the move order line: Incomplete, Preapproved, Approved, Rejected, Cancelled, or Closed.

Created By: The name of the person creating the move order requisition.

10. Choose Approve to submit the move order requisition for approval.

▶ **To view on–hand quantities:**

- Optionally, choose On Hand to view on–hand quantities for items. The on–hand quantities may help you suggest an appropriate source subinventory.

▶ **To approve or reject move order requisitions:**

- Navigate to the Notifications Summary window.

For more detailed instructions on how to use the Notifications Summary window, see: To View the Details of a Notification, *Oracle Workflow Guide*, and To Find Notifications, *Oracle Workflow Guide*.

See Also

Overview of Move Orders: page 7 – 67.

Generating Replenishment Move Orders

You can automatically create pre–approved move orders using min–max planning, replenishment counting, and kanban replenishment. These processes generate move orders based on the subinventory source type.

Prerequisites

- ❑ Define the subinventory source type. See: Setting Up Move Orders: page 7 – 71.

▶ **To automatically create move orders using min–max planning:**

- ■ If an item is below its minimum value in a subinventory and it is sourced from another subinventory, a move order will be created when you request the min–max planning report. See: Requesting the Min–Max Planning Report: page 9 – 21.

▶ **To automatically create move orders using replenishment counting:**

- ■ Run the Process Replenishment Counts program. See: Entering and Processing Replenishment Counts: page 9 – 53.

▶ **To automatically create move orders using kanban replenishment:**

- ■ Generate kanban cards. See: Generating Kanban Cards: page 9 – 43.

Allocating and Transacting Move Orders

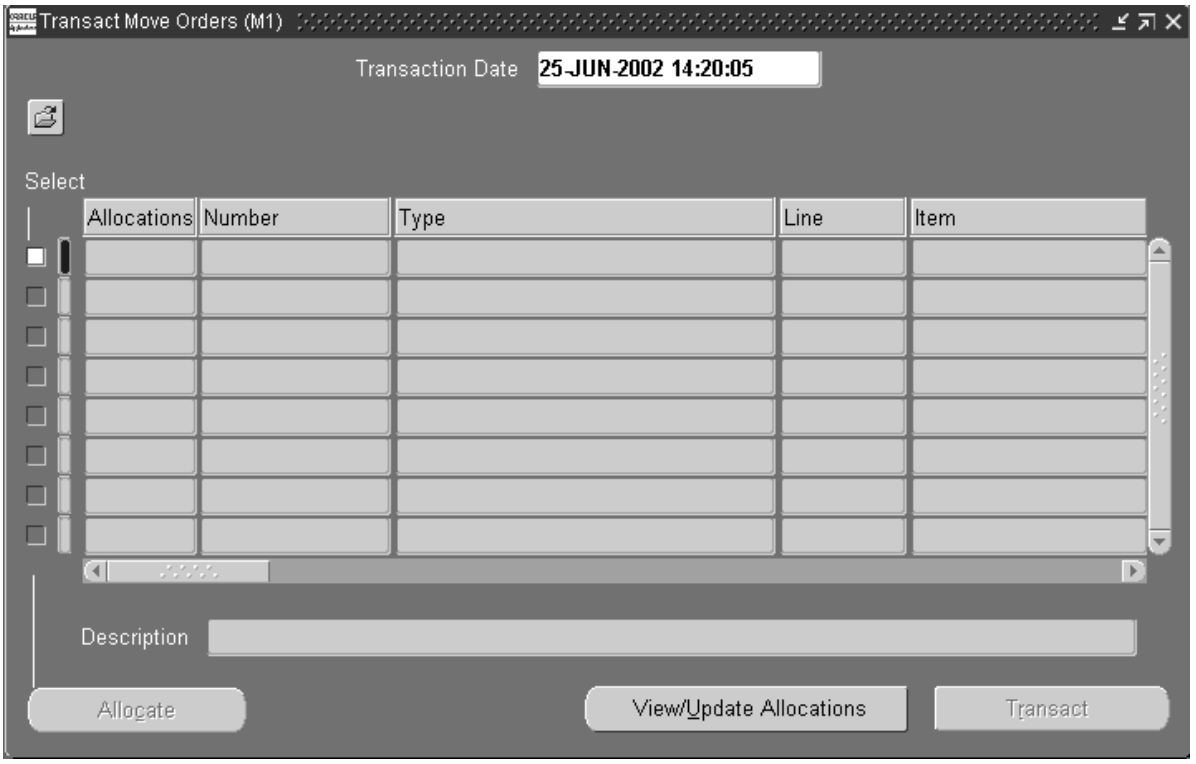
After a move order has been approved, you must detail the move order lines and then transact the move order, to complete the transfer of items to the destination subinventory or account.

A move order can comprise multiple move order lines. Each move order line is a single request for the movement of material.

You can either transact all the move order lines at once or transact one detail line at a time as the items are moved. Only moved orders that have already been approved can be queried in the Transact Move Orders form. See: Overview of Move Orders: page 7 – 67.

▶ **To view move order lines:**

1. Navigate to the Transact Move Orders window. The Find Move Order Lines window appears.



2. Enter search criteria and choose Find to locate the move order lines you want to transact.

   The Transact Move Orders window displays move order lines returned by your search criteria.

▶ **To allocate move order lines:**

1. Select the move order lines you want to allocate.
2. Choose Allocations. This populates detailed suggestions into move order line allocations with specific source locations.
3. Save your work.
4. You can choose to view or update details (see procedure below) or exit the form to print a pick slip before transaction.

▶ **To view or update move order line allocations:**

1. In the Transact Move Orders window, choose the Select box for the move order lines you want to view or update.
2. Choose View / Update Details. A window opens displaying move order line details.

   You can view and update the following:

   UOM: The unit of measure.

   Quantity: The quantity you want to transact.

   Reason: The transaction reason.

   Reference: Reference information about the move order line.
3. Optionally, to view and update lot and serial numbers, choose Lot / Serial.
4. Choose Update to save information in the above fields (this will not transact the lines).

▶ **To transact move orders:**

1. In the Transact Move Orders window choose the Select box for the move order lines you want to transact.
2. Choose Transact.

You can also transact move order lines at the line detail level by selecting the lines you want to transact and then choosing Transact.

Overview of Material Pick Waves

You can manage your material pick wave process using a combination of Oracle Inventory and Oracle Shipping Execution features. The pick release function in Oracle Shipping Execution joined with Oracle Inventory features such as supply chain reservations, pick wave move orders, and directed picking rules create an integrated business flow that allows you to do the following:

- Manage staging locations
- Report inventory inaccuracies and shortages detected during picking
- View shortages and potential backorders before ship confirmation
- Cross dock material

You can customize the material pick wave process to allow each of your organizations to determine the level of control it needs over inventory management. Picking entities are also available with a full suite of APIs, to allow you to easily integrate third party systems and mobile devices for enhanced flexibility. For more information about APIs, see *Oracle Manufacturing, Distribution, Sales and Service Open Interfaces Manual*.

Major Features

Pick Wave Move Orders

Pick wave move orders are pre–approved requests for subinventory transfers to bring material from its source locations in the warehouse to a staging subinventory. Oracle Shipping Execution automatically creates pick wave move orders during the pick release process. For information about other types of move orders see: Overview of Move Orders: page 7 – 67.

Supply Chain Reservations

Supply chain reservations allow you to manage globally the reservations between any supply and demand source. Supply sources include on–hand inventory, purchase orders, internal sales orders (shipments), in–transit inventory, and work in process. The demand requirements are initiated by sales orders and work–in–process jobs and schedules.

Reservations created for sales orders are automatically updated and transferred when the pick wave move order is released and transacted.

The material picking process also manages your reservations. If no reservation was created prior to pick release through Oracle Order Management or Oracle Inventory, a high–level (organization–wide) reservation is placed on the item for that sales order. When the move order is transacted at pick confirmation, the reservation is transferred to a detail–level reservation (which includes locators, lots, revisions, and the staging subinventory) in the staging location. Therefore, it is advisable to make the staging locations a reservable subinventory.

Picking Rules

Pick wave move orders use the picking rules set up in Oracle Inventory to locate the material required to fulfill the move order line. The picking rules suggest the transactions required to obtain enough material in the staging location for the delivery. If the staging subinventory is locator controlled, you can specify the destination locator at pick release or it can be derived from the item transaction defaults you set up for move orders.

The process by which the Oracle Inventory picking engine generates suggestions for transaction lines is called *allocation*.

Staging Locations

The destination subinventory on the pick wave move order is the staging location into which the picked material is deposited. Each organization should designate at least one staging subinventory. Each batch created at pick release will have the same destination staging subinventory. The default staging subinventory and locator to be used for all pick wave move orders is specified through Oracle Shipping Execution's Shipping Parameters form. This location can be changed at pick release. To model different staging lanes within the staging area, facilities may choose to either create different subinventories or designate staging lanes as locators within one staging subinventory. If an organization uses reservations in Oracle Order Management or Inventory to allocate material to sales orders, the staging locations should be reservable also to prevent losing the reservation during the picking process.

Configuring the Material Pick Wave Process

The material pick wave process involves the following steps:

1. Pick Release (Oracle Shipping Execution procedure)
2. Move Order Line Allocation
3. Move Order Line Pick Confirmation
4. Ship Confirmation (Oracle Shipping Execution procedure)

You can customize the process by deciding when you want to allocate and pick confirm move order lines.

Note: The allocation and pick confirm processes are new to Oracle Applications Release 11i. The changes are designed to provide increased flexibility and greater inventory accuracy. However, if you wish to continue managing your picking process as you did before Release 11i, you can do so by checking the Auto Allocation box in Oracle Shipping Execution's Shipping Parameters form and unchecking the Pick Confirmation Required box in Oracle Inventory's Inventory Organization Parameters form.

Pick Release

For information about Oracle Shipping Execution's pick release procedure, see: Overview of Pick Release and Releasing Sales Orders for Picking in *Oracle Shipping Execution User's Guide*.

Move Order Line Allocation

Oracle Shipping Execution's pick release procedure creates move order lines. In order to release those lines to the warehouse and print pick slips, the lines must be allocated. The process by which the Oracle Inventory picking engine generates transaction line suggestions is called *allocation*. The allocation process for a pick wave move order line also creates a high–level (organization–wide) reservation on the material if no reservations previously existed.

You can choose to have the system automatically allocate move order lines, or you can postpone this step and manually allocate the move order lines at a later time. In either case, pick release creates move orders in an approved status, so that no additional approval process is required in order to transact them. Postponing the allocating process can be useful to organizations that pick release across multiple warehouses but prefer to allow each warehouse to determine when to release its order lines to the floor. You use a shipping parameter in Oracle Shipping Execution to specify whether the allocating process is automatic or manual. See: Setting Up Shipping Parameters, *Oracle Shipping Execution User's Guide.*

You can override this default parameter at each pick release. See: Releasing Sales Orders for Picking, *Oracle Shipping Execution User's Guide*.

If you choose to postpone the allocation process and perform these steps manually, you use an Oracle Inventory procedure. However you postpone the allocation, the inventory allocation rules are still used when the moved order is allocated in the Transact Move Order from. for Pick Wave Move Orders, you cannot manually enter all the allocation details, but you can update certain attributes of the allocation that the system provides. See: Manually Allocating Pick Wave Move Orders: page 7 – 87.

Note: If the item and source subinventory are reservable and no reservation existed for the sales order prior to pick release, the allocation process will create a high–level (organization level) reservation on the material to be picked.

Move Order Line Pick Confirmation

The move order line allocations (transaction lines) created by the allocation process must be transacted to confirm the material drop–off in staging. This process is called *pick confirmation*. Pick confirmation executes the subinventory transfer that moves the material from its source location in the warehouse into the staging location. Pick confirmation automatically transfers any existing reservation to an allocated reservation (including lots, revision, subinventory, and locators) in the staging location. At pick confirmation, you can report a missing quantity or change the transaction line if the picker chooses to use material from a different lot, serial, locator, or subinventory. If an organization's picks rarely deviate from the suggested picking lines and the overhead of requiring a pick confirmation is unmanageable, the pick confirm transactions can occur automatically, immediately after the lines are allocated.

You use an Oracle Inventory parameter to specify whether pick confirmation occurs automatically or whether you want your picker to pick confirm move order lines manually. See: Defining ATP, Pick, Item–Sourcing Parameters: page 2 – 17.

You can override this default parameter at each pick release. See: Releasing Sales Orders for Picking, *Oracle Shipping Execution User's Guide*.

Note: If the organization is enabled for Oracle Warehouse Management, then move orders cannot be transacted on the desktop Transact Move Orders form. Rather, the move orders are transacted as tasks on mobile devices. However, the Transact Move Order from can

be use to view the allocations, so long as LPNs have not been allocated. The allocations can still be manually updated from this form, but the Transact button is not available for move orders in a WMS enabled organization.

To pick confirm move order lines manually, you use Oracle Inventory's Transact Move Orders window. You use the same procedure as you do to transact move order requisitions and replenishment move orders. The manual pick confirm option allows you to transact each move order line or move order line allocation individually. This allows you to confirm the transaction of each pick. When you manually pick confirm (transact), you can update any pick details that were different from the suggestions generated by the system, including lot, serial number, and locator information. See: Transacting Move Orders: page 7 – 77.

Move orders can be over pick confirmed, within the shipping tolerances for the customer, in an Inventory organization. The operator can transact more than the requested quantity, adding additional lots and or serials as required.

If you use the automatic pick confirm process, the material is only transacted to the staging subinventory and reserved. You can still manage any discrepancies found by deleting the reservation and transacting the material back to its original subinventory. If you use mobile devices such as bar code scanners to perform inventory transactions, it is suggested that you use manual pick confirmation for greatest inventory accuracy and control. If you used the automatic pick confirm process, the the move order is not visible in the Transact Move Order form.

Note: Note that non–reservable items are always automatically pick confirmed, regardless of whether pick confirmation is required for the batch. If the item should be manually pick confirmed, then make the item reservable.

Ship Confirmation

See: Ship Confirm, *Oracle Shipping Execution User's Guide.*

Serial Numbers

Allocating can suggest serial numbers to be transacted to fulfill the pick wave move order line. You can change the suggested serial numbers if the picker chose different serial numbers. Some organizations, however, may choose not to suggest serial numbers and to require the pickers to enter the numbers they have selected at pick confirmation.

This option is enabled using a control, Allocate Serial Numbers, on the Revisions, Lot Serial tab of the Organization Parameters form. See Defining Revision, Lot, Serial, LPN Parameters: page 2 – 13

If you choose not to allocate serial numbers, any pick wave move order line for a serialized item will not be automatically pick confirmed and the picker will have to enter the serial numbers before the material is transacted into staging and becomes eligible for ship confirmation. Therefore, if you want all orders to be automatically pick confirmed, you must set the profile option to *Yes*. No reservations are placed on the specific serial numbers that are pick confirmed, so if the picker chooses a serial number that was not recommended by the system, you can perform a subinventory transfer to move the correct serial number to the staging location and then perform another subinventory transfer to move the erroneous serial number back into the storage location.

At pick confirmation, Oracle Shipping Execution collects the serial numbers that were transacted into staging and assigns them to the appropriate delivery line. You do not have to enter serial numbers at ship confirmation unless a change occurs and you decide to ship units different from those suggested or if the item's serial control is at sales order issue.

Order Cancellations

With the material picking process, a sales order can be canceled after it has been pick released without requiring you to backorder in Oracle Shipping Execution. If an order quantity is reduced after pick release, any requested and allocated quantities on the move order line are reduced accordingly and any reservations that exist for the sales order are updated to reflect the new order quantity. These changes are made automatically and do not require user intervention.

If the order has been cancelled after the order lines have been pick release but before the lines have been pick confirmed, a warning is presented to the operator when the operator tries to transact the move order. The warning allows you to transact the moved order as suggested, even though you have cancelled the sales order. Oracle Inventory treats the material movement as a subinventory transfer instead of as a sales order staging transfer.

If the material movement has already occurred and you are only recording that movement in the system, use this option. You are allowed to cancel the allocations if the material movement has not occurred.

If you cancel the order after the lines have been pick confirmed, then the reservations are deleted and the tie between the pick confirmed material and the sales order lines is removed. You can choose one of the following two options for moving the material in the staging lane back to the proper storage location. You can perform a subinvnetory transaction to move the material directly back to the storage in single step, or you can create a Move Orde Requisition that once approved and allocated creates a move order to move the material back to storage. You can also use either of these options if the move order was transacted even though the sales order line has been cancelled.

Exception Management

Shortages

If the allocation process is unable to locate enough material to fulfill the move order line, a shortage situation exists. The move order line stores both the requested quantity and the quantity that has been sourced by the allocation process. If the requested quantity exceeds the sourced quantity, a potential shortage exists. You can view these shortages in Oracle Inventory's View Potential Shortages window or in the Shortages Summary report. A short move order line can be re–allocated using the Move Order Transaction form.

Reporting Missing Quantities

An inventory inaccuracy in a warehouse can result in a shortage condition that Oracle Inventory does not recognize at allocation. In this event, a picker will be unable to pick the complete quantity. If the picker was not able to pick the line as suggested, the picker can enter the quantity he or she was unable to locate in the Missing Qty field on the Transact Move Order Line Allocations window. Entering a missing quantity will change the allocated quantity on the move order line so that a potential shortage will exist. The move order line can be re–allocated in the same form, allowing the system to direct the picker to another location in inventory to find more material.

When a missing quantity is reported through the Transact Move Order Line Details window, Oracle Inventory transfers the reservation that exists for the missing quantity to a cycle count reservation. This will not create a cycle count header, but the reservation will ensure that future detailing processes do not direct pickers to the material that is reported as missing. A cycle count performed on that item in that location will consume the reservation. If automatic pick confirmation is used, a picker cannot report a missing quantity in the Transact Move

Order Line Details window. A cycle count quantity can still be entered at ship confirm. A cycle count reservation will still be created, but it will now be for the item in the staging location. See: Shipping Transactions, *Oracle Shipping Execution User's Guide*.

Opportunistic Cross Docking

You can set up your system to send a shortage alert if a shortage is encountered during the receiving process. See: Shortage Alerts and Shortage Notifications: page 7 – 26. The shortage alert notifies the receiver of the cross docking opportunity. At this point, the material can be expedited to the staging location rather than delivered to a storage area. You can complete the receipt and deliver the material directly to the staging location or receive into a receiving dock location and direct a picker to get material from the receiving area and deposit it directly to the outbound staging location. The move order line can then be re–allocated and transacted through the Transact Move Orders window and the reservations will be automatically updated to include the newly received items. A pick slip can be reprinted to include the material at the dock.

Backordering to Address

You can also backorder sales order lines that have been allocated in the Transact Move Orders form. This cancels the allocations, making the allocated material available for other transactions, and set the delivery detail line status to backordered so that it can be pick released in future batches.

▶ **To Backorder Sales Order Lines**

1. Query the move order lines you which to backorder.
2. Select the check boxes next to one or move move orders.
3. Select Backorder from the Tools menu. The allocations are cancelled and move order lines deleted.

Manually Allocating and Transacting Pick Wave Move Orders

Pick wave move orders are created by Oracle Shipping Execution's pick release process. You can use the Transact Move Orders window to perform manual allocations of the pick wave move order.

Allocation is the process that uses Oracle Inventory picking rules to determine where to source the material to fulfill a request line. The allocation process populates the move order line allocations with the actual transactions to be performed and allocates the material to the move order.

Manual allocation allows you to determine when to release the pick to the floor. This option is used with global order management with distributed warehouse management and shipping. With manual allocation, you can release orders to your regional warehouses from the central order management location in advance, allowing individual warehouses to schedule their picks closer to the actual ship date. See: Overview of Material Pick Wave Process: page 7 – 80.

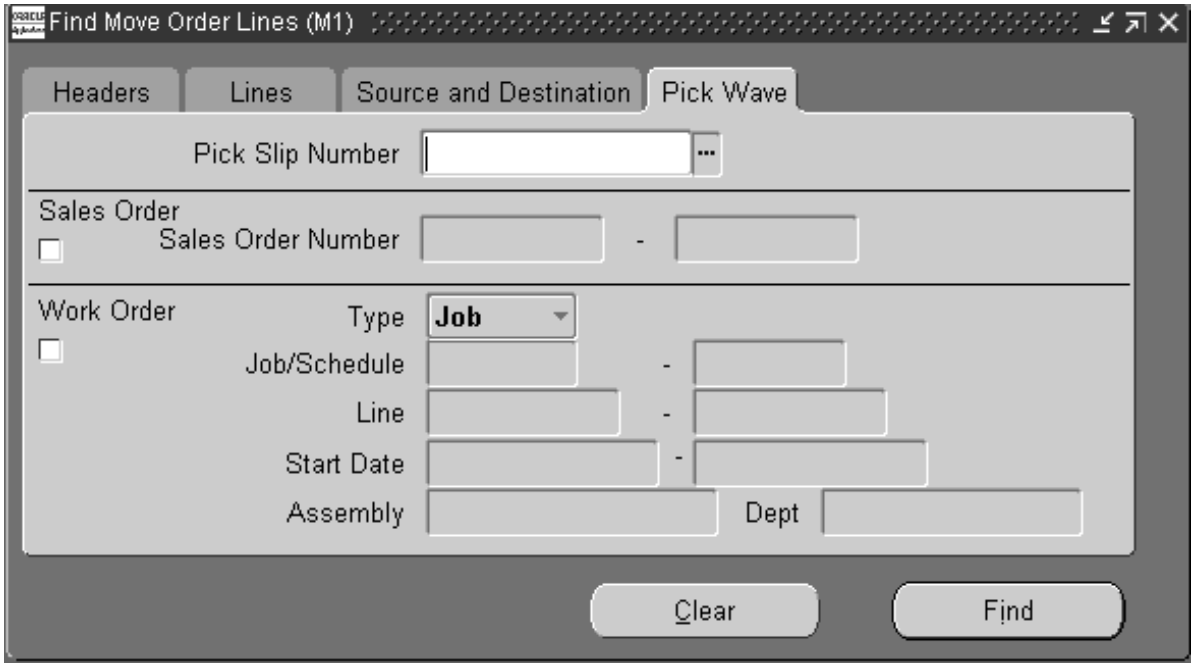
Prerequisites

❑ Define shipping parameters.

To allocate pick wave move orders using the Transact Move Orders window, you must define shipping parameters in Oracle Shipping Execution. See: Setting Up Shipping Parameters, *Oracle Shipping Execution*.

▶ **To manually allocate pick wave move orders:**

1. Navigate to the Transact Move Orders window. The Find Move Order Lines window appears.



2. Select the Pick Wave tabbed region.
3. Enter search criteria and choose Find to locate the move order lines you want to allocate.
4. Select the move order lines you want to allocate.
5. Choose Location Details. This populates detailed suggestions into move order line allocations with specific source locations.
6. Save your work.

You can now print pick slips. See: Pick Slip Report, *Oracle Shipping Execution*.

▶ **To transact move order lines:**

- Select the lines you want to transact and choose Transact.

Viewing Serial Genealogy

Serial genealogy tracks the transaction and multilevel composition history of any serial–controlled item from receipt through work in process and inventory to your customer sale. The composition genealogy is captured through material transactions in Oracle Work in Process.

The serial genealogy appears in a graphical display, allowing you to trace from an assembly down through all of its components or from the component to the finished good. This genealogy tracing enables you to expedite problem isolation and improve response to customer request. Serial genealogy also helps you to track and regulate supplier performance and quality.

Prerequisites

- ❑ When issuing serialized components to serial controlled assemblies, you must associate the component serial number to the end item serial number. See: Issuing and Returning Specific Components, *Oracle Work in Process User's Guide*.

  Note: If the component has a supply type of Push, the association occurs at WIP Issue. If the component has a supply type of Operation Pull, the association occurs at WIP Move. If the component has a supply type of Assembly Pull, the association occurs at WIP Completion.

- ❑ Define Serial Generation attributes

  You must set the Serial Generation attribute in the Organization Items window to *At Receipt* or *Predefined* for the component items.

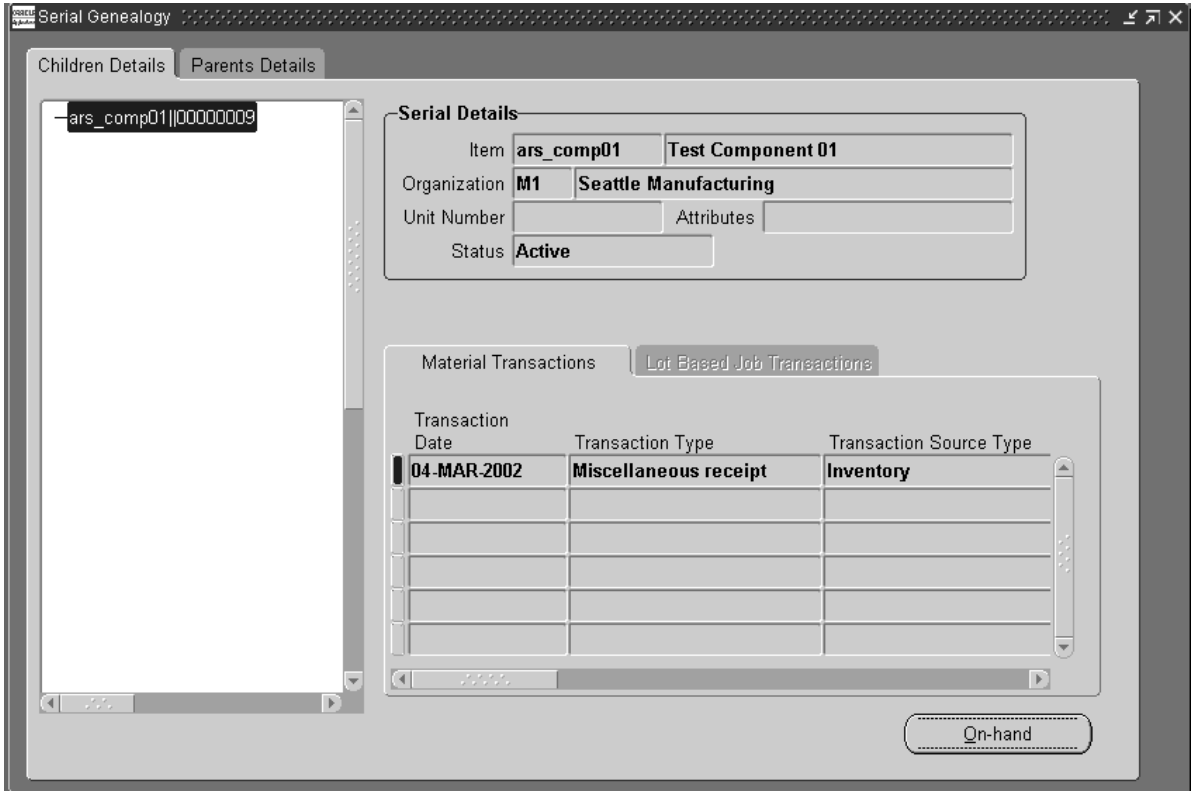
  For assembly items, you must set the Serial Generation attribute in the Organization Items window to *Predefined*. Before you issue material to WIP, you must generate the serial numbers. See: Generating Serial Numbers: page 5 – 157.

  This rule includes any subassemblies for which you want to track the genealogy. See: Updating Organization Level Items: page 5 – 17 and Inventory Attribute Group: page 5 – 43.

▶ **To view the serial genealogy of a serialized item:**

1. Navigate to the Serial Numbers window. The Find Serial Numbers window appears.

2. Enter search criteria to locate the item or items for which you want to view the serial genealogy.
3. Choose Find to display the serial number and item information in the Serial Numbers window.
4. Select the item serial number for which you want to view the serial genealogy.
5. Choose View Genealogy. The Object Genealogy window appears.



6. Choose the Children Details tab to view the components of the serialized unit.
7. Choose the Parents Details tab to view the assemblies created with the serialized unit.

   In both of the tabbed regions, you can expand items that are preceded by a plus sign (+) to view further sub–levels. Items that are expanded are preceded by a minus sign (–). You can expand no further when an item displays neither a plus nor minus sign.

The Object Genealogy window dynamically displays the following information when you select a serial number in the tabbed regions: item number, object type, transaction identification number, transaction date, organization, transaction source type, transaction source, transaction type, and trading partner. The Project and Task fields are enabled if Oracle Project Manufacturing is installed.

The following transaction types are supported:

- Purchase order receipt
- WIP component issue
- WIP assembly
- Sales order issue
- Miscellaneous issue
- Miscellaneous receipt
- Account alias issue
- Account alias receipt

Note: Information appearing in the tabbed regions always reflects the genealogy of the serial number you queried in the Serial Numbers window.

See Also

Maintaining Serial Number Information: page 5 – 161.

Transactions Reports

Oracle Inventory and Oracle Purchasing provide you with reports to view your transactions. The following table presents these reports:

Report	Description
Transaction Register (INV)	Use this report to report comprehensive material transaction detail (transaction date, item description, item revision, subinventory, transaction type, transaction source, quantity, unit of measure, and transaction value).
Lot Transaction Register (INV)	Use this report to report comprehensive lot number material transaction detail within a specific date range.
Serial Number Transaction Register (INV)	Use this report to report comprehensive serial number material transaction detail within a specific date range.
Transaction Source Type Summary (INV)	Use this report to list transactions by source types.
Transaction Historical Summary (INV)	Use this report to review past item quantities or past inventory balances.
Expected Receipts (PO)	Use this report to review all or specific expected receipts for a particular date or a range of dates.
Overdue Supplier Shipments Report (PO)	Use this report to review all or specific overdue shipments.
Receipt Adjustments Report (PO)	Use this report to review all or specific purchase order shipments with returns or corrections.
Receipt Traveler (PO)	Use this report to print delivery tickets that you use to facilitate delivery of goods you received within your organization.
Receipt / Inspection / Delivery Register (PO)	Use this report to review detail information about your receiving transactions.
Receiving Exceptions Report (PO)	Use this report to review all or specific purchase order shipments you placed on exception hold.
Inactive Items Report (INV)	Use this report to review items with no transaction activity since the date you specify.
Item Reservations Report (INV)	Use this report to determine how many units of an item are reserved for an account, an account alias, or for user–defined source types.

Report	Description
Material Account Distribution Detail (INV)	Use this report to view the accounts charged for inventory quantity transactions, to review inventory quantities distributed to GL batch (one period), and to reconcile or reconcile back to the general ledger interface table.
Material Account Distribution Summary (INV)	Use this report to verify that inventory accounts are in balance. You can also use this report to do daily trial balances for inventory or to reconcile an account across several periods.

Overview of Reports: page 15 – 2

CHAPTER

8

On–hand and Availability

Overview of On–hand and Availability

Oracle Inventory provides a variety of windows to view on–hand quantities, reservations, supply / demand, available to promise, supply chain available to promise, and capable to promise information.

The available to promise (ATP) features help you determine when you can commit to fulfilling a customer's request. The ATP calculation determines the uncommitted portion of your company's inventory and planned supply. This enables you to determine if a requested item and quantity is available at a specified date.

The supply chain ATP feature provides a global view of material availability for the requested demand. You can view all possible supply sources for an order line, ship set, or configuration.

The capable to promise (CTP) feature lets you determine the availability of resources as well as material.

For more information distinguishing these types of ATP information and describing setup requirements, see:

Features

- View on–hand balances for items. See: Viewing On–hand Quantities: page 8 – 4.
- Request a report of item quantities across multiple organizations. See: Requesting the Multi–Organization Quantity Report: page 8 – 11.
- View item supply and demand. See: Viewing Item Supply / Demand Information: page 8 – 13.
- Calculate and view ATP using the following features:
  - Tailor ATP calculations to suit your business needs by defining ATP rules. See: ATP Rule Options: page 8 – 24, ATP Calculations: page 8 – 33, and Defining ATP Rules: page 8 – 31.
  - Enter the workday calendar organization, the default ATP Rule, the default date required, and optionally the demand class. See: Viewing ATP Information: page 8 – 41.
  - Enter ATP criteria for the individual item, quantity, or date you request, or you can run group ATP. Group ATP allows you to specify multiple items, and executes an ATP for the group as a whole. See: Entering ATP Criteria: page 8 – 44.

– View the results of the ATP calculation. See: Viewing ATP Results: page 8 – 48

– View the results of the Supply Chain ATP calculation. See: Viewing Supply Chain ATP Results: page 8 – 46

  If you use Oracle Order Management, you can check ATP entering or scheduling orders.

  If you use Oracle Work in Process, you can view ATP and material availability in the ATP Results window. See: Viewing ATP Material Availability for Discrete Jobs, *Oracle Work in Process User's Guide*.

– View ATP by period. This option displays the supply, demand, and ATP quantities for all periods. See: Viewing ATP by Period Detail: page 8 – 52.

– View ATP supply and demand detail. This displays the supply and demand sources used in the ATP calculation, such as open purchase orders, WIP jobs, and repetitive build schedules. See: Viewing ATP Supply / Demand Detail: page 8 – 53.

Viewing On–hand Quantities

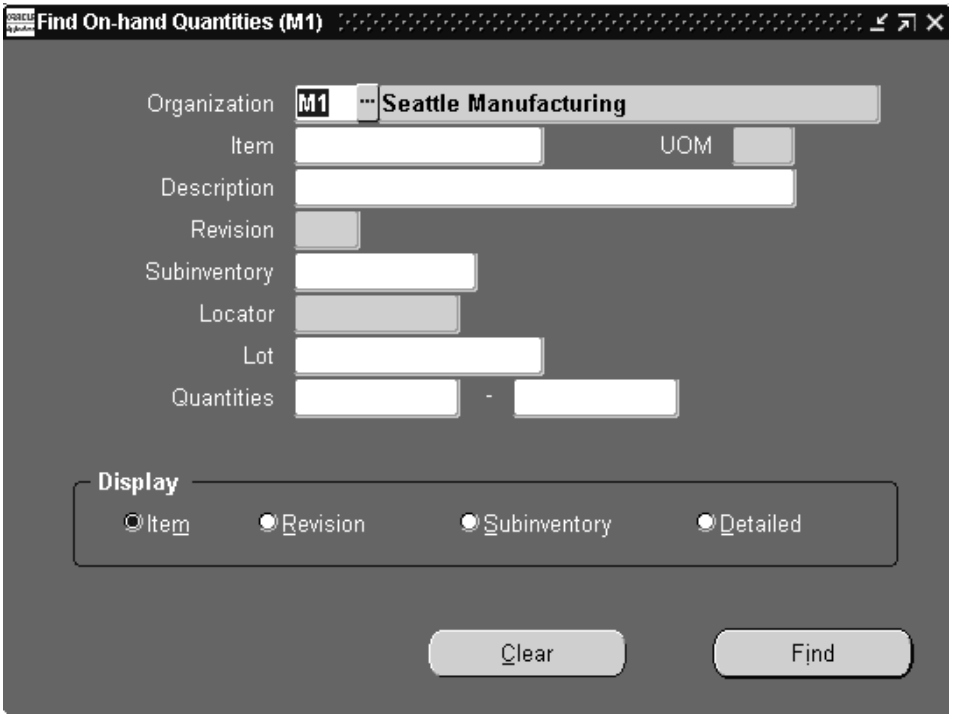
You can view on–hand quantities for items. You choose how the information is displayed and narrow the scope of the information by entering search criteria.

Depending on the function security assigned to your responsibility, you can view the on–hand quantities for an item in a single organization or across all organizations. Your function security determines whether you have the ability to look across multiple organizations. See: Overview of Function Security, *Oracle Applications System Administrator's Guide*.

Depending on the function security assigned to your responsibility, you can view the on–hand quantities for an item in a single organization, multiple organizations in a specified organization hierarchy, or across all organizations. Your function security determines whether you have the ability to look across multiple organizations. See: Overview of Function Security, *Oracle Applications System Administrator's Guide*.

▶ **To enter on–hand quantity search criteria:**

1. Navigate to the Find On–hand Quantities window.



2. Depending on the function security assigned to your responsibility, indicate whether to view item quantities in a single organization or across all organizations.
3. To narrow the focus of the information you want to view, enter search criteria for the following fields:
   - Item: Enter an item whose quantities you want to view.
   - *Revision*: If the item is under revision quantity control enter a value to view on–hand quantities for that revision only.
   - *Subinventory*: Enter a subinventory to view on–hand quantities in that subinventory only.
   - *Locator*: If under locator control, enter a locator to view on–hand quantities for that locator only.
   - *Lot*: If the item is under lot control, enter a lot number to view on–hand quantities for that lot only.
   - *Quantity*: Enter a range of quantities to limit the search.
4. Select how you want to display the information:

   Item: Display the on–hand quantity by item.

   Revision: Display the on–hand quantity for each revision of the item or a specific revision.

   Subinventory: Display the on–hand quantity for the item in each subinventory or a specific subinventory in which it is located.

   Locator: Display the on–hand quantity for the item in each subinventory and locator or a specific subinventory and locator in which it is located.
5. Choose the Find button to start the search. The information displays in a detail folder window corresponding to the quantity type and display options you select.

▶ **To view reservations for an item:**

- Navigate to the Item Reservations window. See: Item Reservations: page 8 – 15.

Viewing Inventory Positions

You can view inventory on–hand quantities of an item or a group of items across multiple organizations. In particular, you can view the

inventory position of a given organization hierarchy origin as the sum of the inventory positions of all subordinate organizations to that hierarchy origin.

You can inquire on inventory quantity information, such as the quantity on–hand, the quantity received in a particular time period, and the quantity issued in the same time period for a particular item across multiple levels of a specified organization hierarchy.

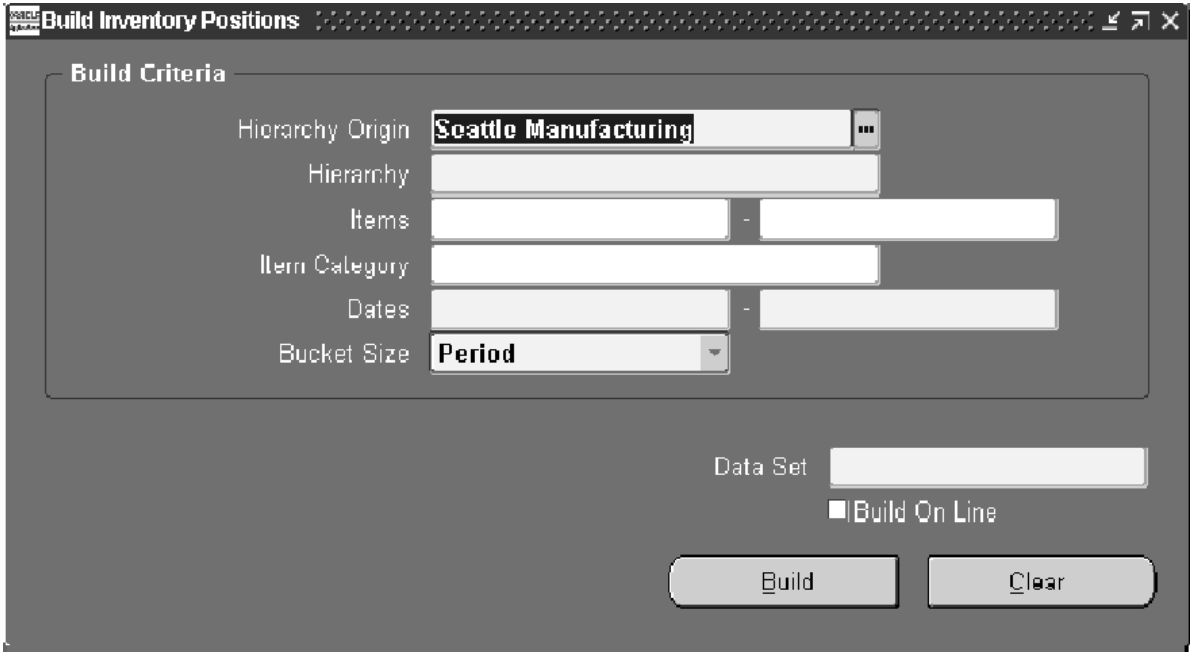
Complete the following tasks in order to view you inventory position across multiple inventory organizations:

- Define Query Criteria
- Display Inventory Positions
- Purge Unused Data

▶ **To define query criteria:**

In order to view inventory positions you need to specify query criteria.

1. Navigate to the Build Inventory Positions form.



To narrow the focus of information that you want to view, enter search criteria for the following fields:

- *Hierarchy Origin*: Enter a hierarchy origin (organization) for which you would like to define query criteria. This organization may have subordinate organizations.
- *Hierarchy*: Enter a valid organization hierarchy name from the list of values. You can choose any organization hierarchy in which the current organization is a member, and view inventory positions for all subordinate organizations, inclusive of the hierarchy origin. You can choose any hierarchy in which all organizations subordinate to the hierarchy origin share the same item master.
- *Items*: Optionally, enter the range of item numbers that you would like to view. If you do not enter an item number range, you must enter item category information.
- *Item Category*: Enter the category set name. You will be prompted to enter family and class information for the category.
- *Dates*: Enter a date range.
- *Bucket Size*: Specify the different time bucket sizes. Possible values are Period, Week, Day and Hour.
- *Data Set:* Enter a name of the data set.
- *Build On Line*: You can run the Inventory Position Processor program on line or a concurrent request later. If the program is run on line, it invokes the Inventory Position Display form, which is otherwise called independently.

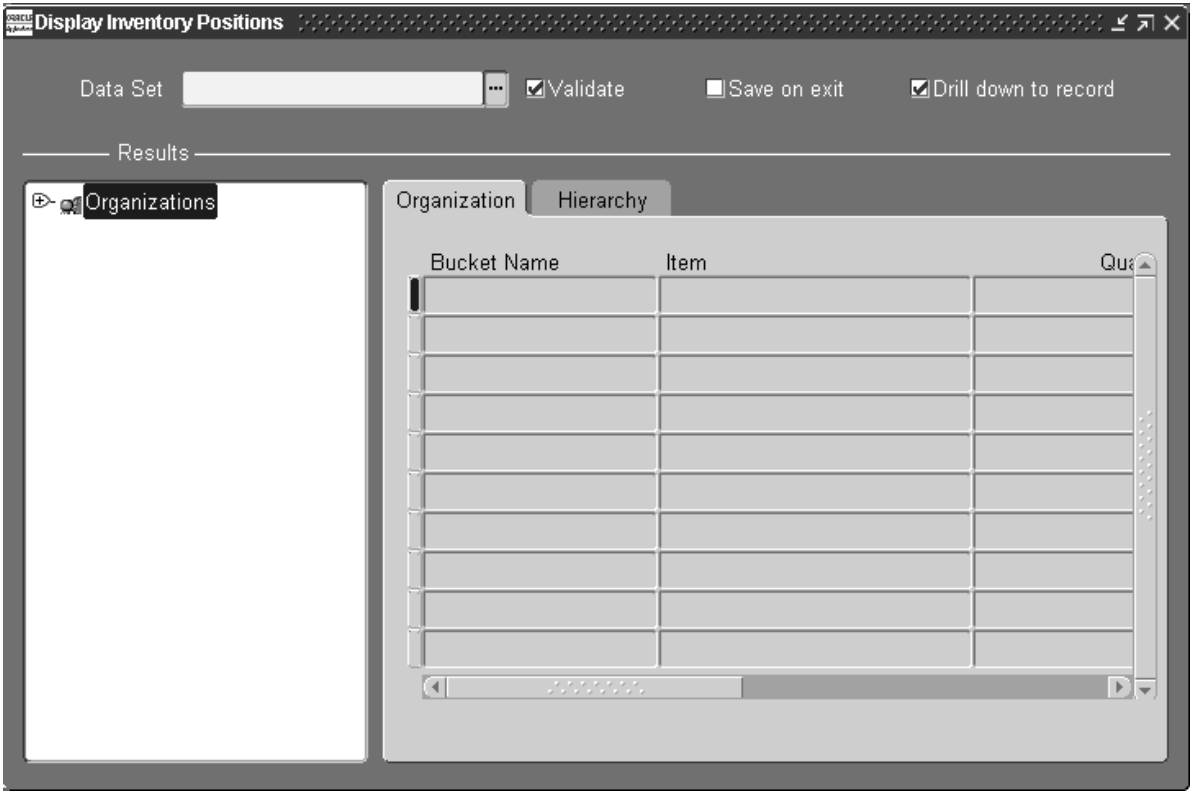
2. Press the Build button.

   The Inventory Position Processor concurrent program populates a temporary table with the inventory position data.

▶ **To display inventory positions:**

You can display a graphical tree representation of position information for each organization and for each organization hierarchy level.

1. Navigate to the Display Inventory Positions form.



2. Drill down from the Hierarchy Origin Organization to base level organizations using a graphical tree representation of your hierarchy. The tree represents the organization hierarchy that was chosen when the data set was built.

   In the Organizations tab, you can examine quantity received, quantity issued and ending quantity on hand for any organization in the hierarchy, arranged into time buckets.

   In the Hierarchy tab, you can see the aggregate ending on hand balances for the hierarchy level you have chosen. By selecting the top level organization and entering the Hierarchies tab, you can see the total ending on hand balances for the entire hierarchy.

3. Save your work.

▶ **To purge unused data:**

You can delete unused data sets using flexible criteria.

1. Use the Request Reports or Submit Requests window and enter *Inventory Position Purge* in the name field to submit the report.
2. Enter the following parameters:

   Data Set: Enter the Data Set Name that you would like to purge.

   Created By: Enter the appropriate profile information.

   Created Before: Enter a date. All data older than this date will purge.
3. Submit your request.

Attention: You can export data sets that you built and viewed by accessing the data in the same table used for on line view.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Material Workbench

The Material Workbench enables you to query on hand balances for inventory items by location, project, cost group, ownership,vendor and other inventory characteristics. You can also create move orders, request cycle counts, and change material statuses in this form. See Material Workbench, *Oracle Warehouse Management User's Guide* for usage information.

See Also

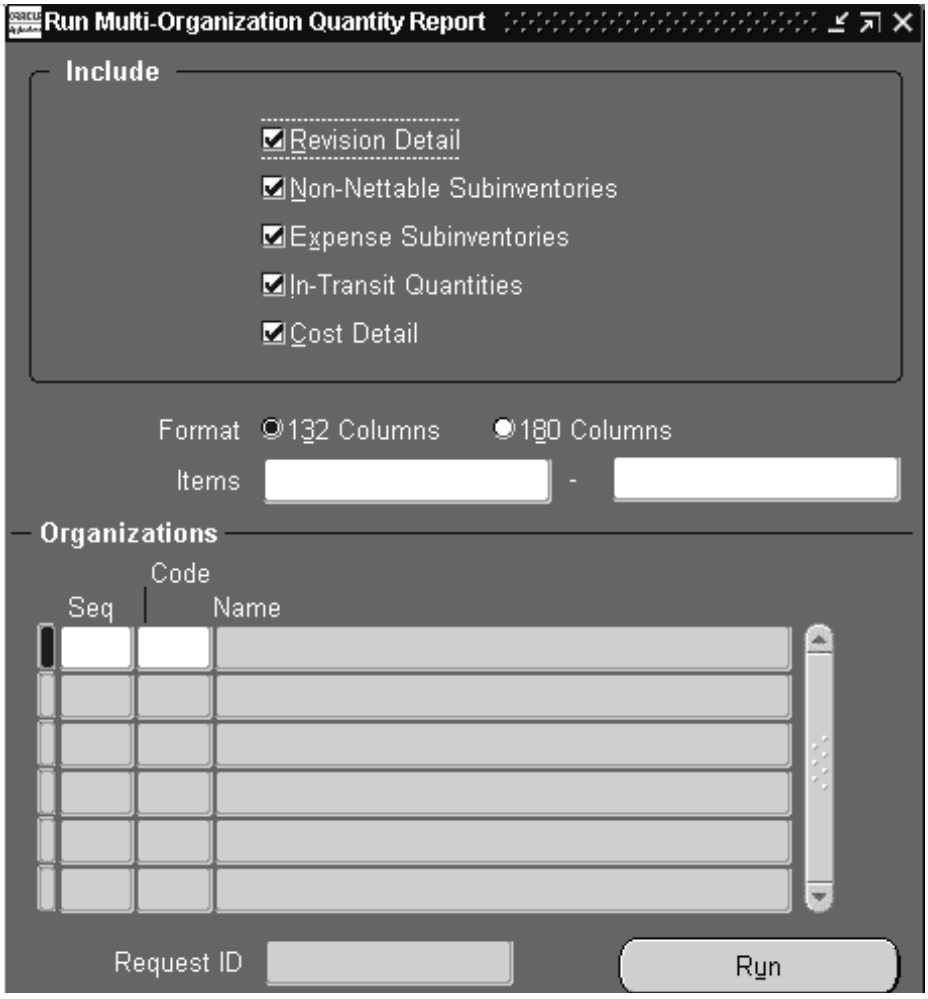
Material Status, *Oracle Warehouse Management User's Guide*

Requesting the Multi–Organization Quantity Report

Use the Multiple Organization Inventory Report to show the inventory quantity on hand for items in more than one organization. The report has no limitations on the number of organizations you can enter. The report is sorted by inventory item for all of the organizations. You can include quantities that are in transit. If you have revision control items, you can report on the revision quantities individually (for each revision) or summed for the item. You can run the report for all items, or you can specify a range of items.

▶ **To request the Multi–Organization Quantity Report:**

1. Navigate to the Run Multi–Organization Quantity Report window.



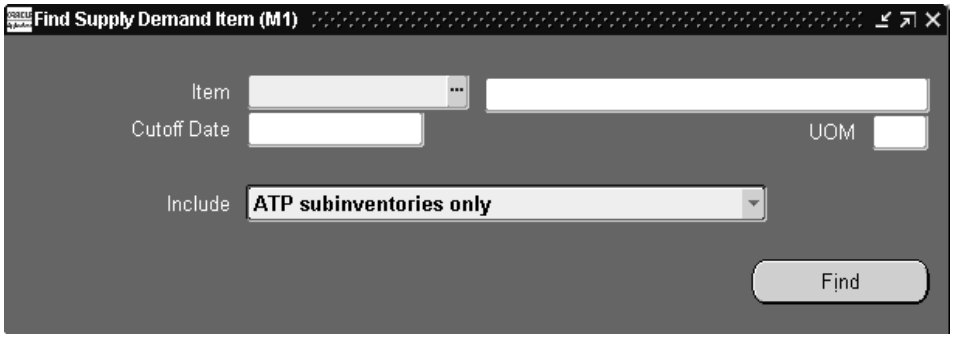
2. Indicate whether to report items in intransit inventory.
3. Indicate whether to report the revision level of items.
4. Enter the range of items to include in the report. If you leave this field blank, the report contains all inventory items.
5. Enter the organization codes for the organizations you want to include in the report. If you leave this field blank, the report will run for all organizations. The Seq field displays a number indicating the order in which the organization appears on the report.
6. Choose Run to submit the report.

Viewing Item Supply/Demand Information

You can view supply / demand information, and the current and projected available quantities of an item.

▶ **To choose the item for which you want to view supply/demand information:**

1. Navigate to the Find Supply Demand Item window.



2. Enter the item for which to review supply and demand history.
3. Optionally, enter a cutoff date. Supply and demand scheduled beyond the cutoff date are not displayed in the Supply / Demand Detail window.
4. Select the on–hand source. Choose from *ATP subinventories only, Net subinventories only,* or *All subinventories.*
5. Choose Find. The results display in the Supply / Demand Detail window.
6. View information for:

   Supply/Demand Type: The supply source or demand source type, such as *Account number, Purchase order, Sales order,* and *WIP discrete job.*

   Identifier: The identifier for the supply source or demand source, such as the purchase order number or work in process discrete job number.

   Quantity: The scheduled supply quantity or demand quantity for the item. Demand quantities are displayed as negative numbers. Supply quantities are displayed as positive numbers.

Available Quantity: The projected on–hand quantity of the item, defined as Current Available plus all future sources of supply and less all future sources of demand.

Attention: Oracle Inventory does not deduct a reservation from this value as it already deducted reservations from Current On–hand to calculate Current Available.

See Also

Searching for Information, *Oracle Applications User's Guide*

Item Reservations

Item reservations prevent the allocation of inventory that you previously set aside for a sales order, an account, an account alias, an inventory, or a user–defined source.

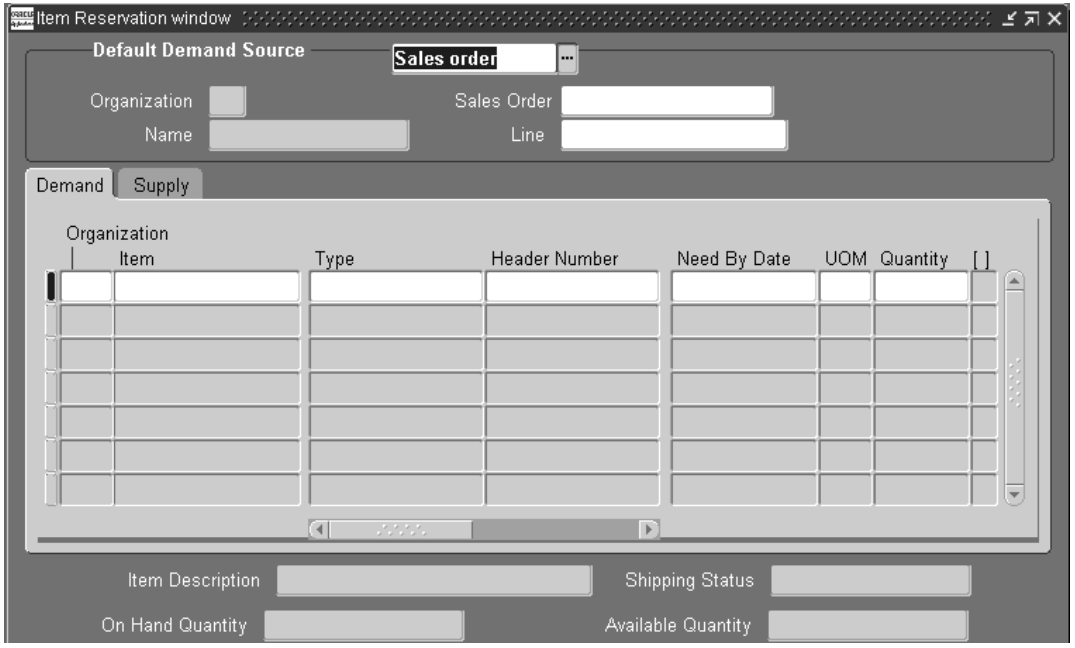
Use the Item Reservations window to create, view, update, transfer, and delete reservation requests.

Prerequisites

- ❑ Define transaction source types if you are using user–defined source types. See: Defining and Updating Transaction Source Types: page 6 – 12.
- ❑ Define an Inventory account alias against which to charge the reservation. See: Defining Account Aliases: page 6 – 24.
- ❑ Configure sales orders flexfield. See: Overview of Setting Up: page 1 – 2.

▶ **To create a new reservation:**

1. Navigate to the Item Reservation window. The Find Reservations window appears.
2. Choose New.



3. In the Default Demand Source block, select from one of the following system default options, or select one of the transaction types you previously defined. To define transaction source types, see Defining and Updating Transaction Source Types: page 6 – 12.

   Sales Order: Demand source is a sales order. If you select this option, enter a sales order number and a line number that identifies the item quantity to reserve. This reservation is deleted when the order is ship confirmed.

   Inventory: Demand name is an inventory. If you select this option, enter the name against which you want to make the reservation.

   Account: Demand source is an account. If you select this option, enter the organization code and account number.

   Account Alias: Demand source is an account alias. If you select this option, enter the organization code and account number.

   Internal Order: Demand source is an internal order. If you select this option enter an internal order number, and a line number that identifires the item quality to reserve. This reservation is deleted when the order is ship confirmed.

   Cycle Count: Demand source is a cycle count. Cycle count are reservations shipping or inventory create when something goes

wrong in the picking or shipping process, and you indicate the material is missing. This is used to ensure no one else tries to use or allocate the material because it is not physically there. Oracle deletes this reservation when you do a cycle count of the item in the specified location.

4. In the Demand tabbed region, enter or select the following:

   Organization: Organization code for the organization with demand.

   Item: Item number for the item in demand.

   Type: Demand source type, such as Sales Order, Inventory, Account, or Account Alias.

   Name: User–defined name to reference reservation.

   Header Number: Code number associated with the demand source, for example, the sales order number.

   Line Number: Line number that identifies the item quantity to reserve, for example, the sales order line.

   Need By Date: Date that you expect to use the material. This cannot be a past date.

   UOM: Unit of measure for the item you want to reserve.

   Quantity: Quantity of the specified item to reserve. This value must be greater than zero and equal to or less than the available quantity.

5. In the Supply tabbed region, enter or select the following:

   Type: Supply source type.

   Name: User–defined name to reference reservation.

   Revision: Revision for the item. You can enter a value here only if you establish revision quantity control for the item.

   Lot: Lot number of the item to reserve. You can enter a value here only if you establish lot control for the item.

   Subinventory: Subinventory from which to reserve the item.

   Locator: Locator to which to reserve the item if it is under locator control.

   LPN: License plates to be reserved and allocated for move order lines. You must be in a WMS enabled organization to use this functionality. See: The WMS Rules Engine, *Oracle Warehouse Management User's Guide.*

Attention: You do not have to enter control information for items that have controls. However, if you do enter control information,

you must do so according to the following hierarchy: revision, lot number, subinventory, then locator. For example, if an item is under revision control, you must enter that information before you can enter the other fields. If an item is not under revision control, then the first information you must enter is the lot number, and so on.

6. Save your work.

▶ **To view current item availability information:**

- Review the following fields:

  Available Quantity: Displays the quantity available to reserve. This is equal to the on–hand quantity minus the reserved quantity (or detailed suggestions) and minus pending transactions.

  Note: Allocating move order lines for reservable items creates a reservation. If the item on a pick wave move order line is reservable, allocating the move order creates a reservation and detailed suggestion. If the item on a pick wave move order line is not reservable, allocating the move order creates only a detailed suggestion.

  Note: Material contained in a non–reservable subinventory is not included in the available–to–reserve quantity.

  On–Hand Quantity: Displays the total quantity for the item that is specific to your current organization, and the revision level, lot number, subinventory, and locator you define for the item.

▶ **To transfer supply:**

1. Select the item reservation.
2. Choose Transfer Supply from the Tools menu. The Transfer Supply window appears.
3. Enter or select the following:

   Supply Type: Supply source type.

   Revision: Revision for the item. You can enter a value here only if you establish revision quantity control for the item.

   Lot Number: Lot number for the item. You can enter a value here only if you establish lot control for the item.

   Subinventory: Subinventory from which to reserve the item.

   Locator: Locator to which to reserve the item if it is under locator control.

Attention: You do not have to enter control information for items that have controls. However, if you do enter control information, you must do so according to the following hierarchy: revision, lot number, subinventory, then locator. For example, if an item is under revision control, you must enter that information before you can enter the other fields. If an item is not under revision control, then the first information you must enter is the lot number, and so on.

Transfer Quantity: Quantity of the specified item to transfer.

4. Choose Transfer.

▶ **To transfer demand:**

1. Select the item reservation.
2. Choose Transfer Demand from the Tools menu. The Transfer Demand window appears.
3. Enter or select the following:

   Demand Type: Demand source type.

   Demand Header: Demand header identification number.

   Demand Name: User–defined name to reference the demand.

   Transfer Quantity: Quantity of the specified item to transfer.
4. Choose Transfer.

▶ **To delete a record in the Transfer Supply or Transfer Demand windows:**

1. Select the record you want to delete.
2. Choose Delete.

See Also

Transaction Source Types: page 6 – 12

Transaction Types: page 6 – 16

Transaction Actions: page 6 – 15

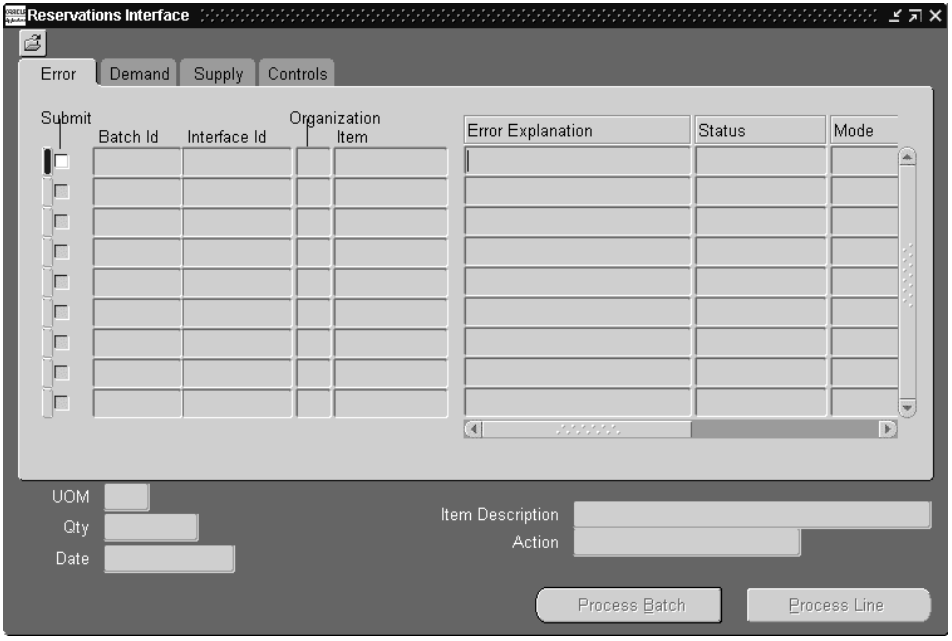
Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Viewing Reservation Interface Activity

Use the Reservations Interface window to view, process, and delete reservation requests. These include processed requests that have errored out and unprocessed requests. (Requests that are successfully processed disappear from the interface table and form.) You can also submit and resubmit reservation requests to the reservations interface manager for processing.

▶ **To view reservations requests:**

1. Navigate to the Reservations Interface folder window. The Find Reservations Interface Requests window appears.



2. Enter search criteria for the reservation requests you want to view.
3. Choose Find to start the search. The results display in the Reservations Interface window.
4. Select a tabbed region to display a type of information:

   Error: Interface reservations error information.

   Demand: Interface reservations demand information.

   Supply: Interface reservations supply information.

Controls: Interface reservations control information.

Note: For a list of the available fields in each tabbed region see: Reservations Interface Folder Window Available Fields: page 8 – 22.

▶ **To submit and resubmit reservation requests for background processing:**

1. Check the Submit option next to the reservations you want to submit or resubmit or choose Resubmit All from the Tools menu.

   If you have many reservations to resubmit, use the Resubmit All option to select all reservations for processing and then selectively deselect individual reservations you do not want to resubmit.

2. Save your work to submit the reservations for processing.

   The reservations interface manager will process these requests the next time it runs.

▶ **To submit and resubmit reservation requests for online processing:**

1. Check the Submit option next to the reservations you want to submit or resubmit or choose Resubmit All from the Tools menu.

   If you have many reservations to resubmit, use the Resubmit All option to select all reservations for processing and then selectively deselect individual reservations you do not want to resubmit.

2. Choose Process Batch to process a batch of reservations requests at a time or choose Process Line to process reservations requests one line at a time.

▶ **To delete reservation requests:**

1. Check the Submit option next to the reservation record you want to delete.

2. Choose Delete from the Tools menu.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Reservations Interface Folder Window Available Fields

The Reservations Interface folder window allows you to view reservation requests. Using folder options, you can display certain fields for each tabbed region. See: Viewing Reservations Interface Activity: page 8 – 20.

Fields Shared by All Tabbed Regions

Batch ID	Batch identification number.
Interface ID	Interface identification number.
Organization	Code for the organization in which the item resides.
Item	Inventory item referenced by the line item.

Error Tabbed Region

Error Explanation	Explanation of the error that occurred when attempting to process the line item.
Status	Status of the reservation request.
Mode	Transaction processing mode, such as background or online processing.
Partial Quantities	Whether the available quantity should be reserved when the available quantity is less than the reservation quantity.

Demand Tabbed Region

Type	Demand source type for the line item.
Source	Source of the demand for the line item, such as an account number.

Supply Tabbed Region

Type	Supply source type of the line item to be reserved.
Source	Source of the supply of the line item to be reserved.

To Type	Updated supply source type for the line item.
To Source	Updated source of the supply for the line item.

Controls Tabbed Region

Revision	Inventory item revision of the line item to be reserved.
Lot	Source lot number of the line item to be reserved.
Subinventory	Source subinventory of the line item to be reserved.
Locator	Source lot number of the line item to be reserved.
To Revision	Updated inventory item revision of the line item.
To Lot	Updated source lot number of the line item.
To Subinventory	Updated source subinventory of the line item.
To Locator	Updated source locator of the line item.
To: LPN	Updated license plates to be reserved and allocated for move order lines. You must be in a WMS enabled organization to use this functionality. See: The WMS Rules Engine, *Oracle Warehouse Management User's Guide.*

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

ATP Rule Options

To implement available to promise, you begin by defining your ATP rules. ATP rules let you tailor the ATP calculation to suit your business needs. Each rule is a combination of ATP computation options, time fence options, and supply and demand sources to use during an ATP inquiry. You cannot delete an ATP rule, but you can rename or redefine existing rules by updating fields. See: Defining ATP Rules: page 8 – 31.

You can define multiple ATP rules to reflect the specific needs of your organization, and then use different rules to calculate availability for different items or groups of items. Each time you run an ATP check, the rule determines how existing supply and demand are matched.

You can choose one of the ATP rules you define as the default ATP rule for your organization. You can update the item attribute *ATP Rule* to specify a default ATP rule for each item. See: Defining Organization Parameters: page 2 – 17 and Defining Items: page 5 – 6.

ATP Computation Options

You can choose a variety of computation options to suit your business needs. ATP computations use the consumption and accumulate available features. Consumption resolves negative ATP after it is already determined that there is not enough available inventory. Accumulation uses excess inventory from a period to determine where new demand can be placed. You can choose any combination of the following options:

Accumulate Available

This option determines how the ATP calculation uses a period's excess quantity. If you select this option, ATP carries forward the available quantity from prior periods, making it available for future periods when demand exceeds supply. You must have *Backward Consumption* turned on to use the Accumulate Available option.

Most ATP users turn this option on. Turning this option off may be appropriate if your items have a short shelf life, or you want to leave quantity available in each period for short lead time orders.

Backward Consumption

This option determines if the ATP calculation can look to previous periods to match existing demand to a supply. If you select this option,

ATP checks prior periods for availability if a period has insufficient supply for existing demand.

Most ATP users turn this option on and use it with *Accumulate Available.* With these options, ATP matches existing supply and demand period by period. If a period has insufficient supply, ATP checks prior periods, and matches demand to the excess supply of a prior period. With accumulation also turned on, ATP accumulates available quantities over multiple prior periods if necessary to meet existing demand.

Forward Consumption

This option determines if the ATP calculation can match existing demand to supply in future periods. If you select this option, ATP checks future periods for availability if the period supply is insufficient for an existing demand.

Combination of ATP Options

You can select more than one of the computation options. By combining options, you can create an ATP rule that best meets your needs. Some points to consider when selecting your ATP computation options:

Backward consumption only	ATP calculates availability for your item period by period. If the available supply quantity for the period does not meet the existing demand for that period, ATP works backward, period by period, and checks if the available supply within each period is sufficient to meet the excess demand. ATP does not combine the available quantities from multiple periods to meet an existing demand.
Backward consumption and accumulate available	ATP accumulates the excess supply from period to period. When demand in a period exceeds supply, this accumulated quantity is dipped into and reduced. When you perform an availability check, the accumulated quantity is available for your demand.
Forward consumption and backward consumption	ATP consumes backwards first. If the available supply quantity for a period is not enough to meet the period's demand, ATP steps back period by period to try to satisfy demand. If the demand cannot be met, ATP then moves forward into future periods to check on available supply.

Keep in mind that the ATP rule applies to existing demand and supply, and determines the quantity available on a period by period basis. Your quantity check is done against the results. ATP does not try to forward consume or backward consume your ATP check quantity.

See Also

Defining ATP Rules: page 8 – 31

ATP Inquiry, *Oracle Order Management User's Guide*.

ATP Time Fence Options

You can specify time fences for your ATP rules to restrict the use of both supply and demand. Time fences help you filter the noise out of the ATP calculation. You can implement the following time fence options:

Past Due Demand Days

ATP does not include any demand orders with a due date before this time fence. ATP uses the number of manufacturing workdays you enter for this fence to back off from the current system date and determine the past due time fence.

Use this time fence if you have sales orders, jobs, repetitive schedules, or other demand outstanding with past due dates that you do not plan to fill from existing or planned supply. If the due dates are before the time fence, ATP does not include these orders as demand.

Past Due Supply Days

ATP does not include any supply orders with a due date before this time fence. ATP uses the number of manufacturing workdays you enter for this fence to back off from the current system date and determine the past due supply fence.

Use this time fence if you have purchase orders, jobs, repetitive schedules or other supply orders with past due dates that you do not want to rely on as a source of supply for your ATP calculations. If the due dates are before the time fence, ATP does not include these orders as supply.

Infinite Supply Time Fence

Use this time fence to specify the end of your ATP horizon. ATP considers any demand that falls beyond this time fence as available. Use this time fence as the practical lead time you need to acquire components and build any quantity that a customer may order. You can choose from the following options to determine the infinite supply time fence:

- Cumulative manufacturing lead time
- Cumulative total lead time
- Item total lead time (does not include lead time of components)
- User–defined time fence (specify the number of supply days for your rule)

Accumulation Window

If you choose to accumulate expected surplus in one ATP period to the next, you can limit this accumulation to a specific number of workdays. Oracle Inventory does not treat excess supply as available supply beyond this accumulation window. Oracle Inventory also uses this option in backward consumption calculations, preventing excess supply from a period beyond the accumulation window from covering a shortage in a future period.

You can use the accumulation window to prevent the commitment of supply to satisfy demand with requirement dates far into the future. This is particularly useful if you have an item with high turnover and would likely be able to sell it quickly.

The following table displays sample ATP rules:

Sample ATP Rules

ATP Rule	Accumulate Available	Backward Consumption	Forward Consumption	Accumulation Window
Period	No	No	No	N/A
Backward	No	Yes	No	NULL
Backward with Accumulate	Yes	Yes	No	NULL
Forward	No	No	Yes	N/A
Forward with Accumulate	Yes	No	Yes	NULL
Backward with Cumulative, Accumulation Window=2	Yes	Yes	No	2
Backward–Forward	No	Yes	Yes	NULL

See Also

Defining ATP Rules: page 8 – 31

ATP Inquiry, *Oracle Order Management User's Guide*.

ATP Supply Source Options

You can choose the supply sources for each ATP rule. The ATP rule you use during the ATP inquiry then determines which sources of supply to include in the ATP calculation. Note that supply that falls on a non–manufacturing workday is considered available on the next manufacturing workday. All supply must have a scheduled due date within the ATP rule's past due supply days window.

Supply Sources

- Discrete Master Production Schedule (MPS)

  Includes your discrete MPS as supply for ATP. Note that the MPS must also have *Include in Inventory ATP* selected.

- Repetitive Master Production Schedule (MPS)

Includes your repetitive MPS as supply for ATP. Note that the MPS must also have *Include in Inventory ATP* selected.

- Discrete WIP

  Includes your open WIP jobs as a source of supply.

- Repetitive WIP

  Includes your repetitive build schedules as a source of supply.

- Non–Standard WIP

  Includes your non–standard WIP jobs as a source of supply.

- User–Defined

  If you have a non–Oracle Applications system to maintain supply data, such as a custom purchasing or job system, you can populate the user supply table with the appropriate information. Includes records found in user supply as a source of supply.

- Internal Requisitions

  Includes your open internal requisitions as a source of supply.

- Supplier Requisitions

  Includes your open supplier requisitions as a source of supply.

- Purchase Orders

  Includes your open purchase orders as a source of supply.

- On–Hand Available

  Includes existing available quantity on hand as a source of supply. Note that only quantities in subinventories with ATP selected are included. Quantities already demanded or reserved to a sales order are *not* included.

- Inter–organization Transfers

  Includes open intransit shipments as a source of supply.

Demand Classes

When defining ATP rule supply sources, you can also specify that the ATP rule use a demand class. A demand class ATP rule restricts the supply and demand to sources with a specified demand class. A demand class ATP rule may not include on–hand quantity, purchase orders, supplier requisitions, internal requisitions, or intransit shipments as sources of supply. These supply sources cannot have demand classes, and so are not included in demand class ATP. See: Demand Classes,

Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.

See Also

Defining ATP Rules: page 8 – 31

ATP Inquiry, *Oracle Order Management User's Guide.*

ATP Demand Source Options

You can choose the demand sources for each ATP rule. The ATP rule you use during the ATP inquiry then determines which sources of demand to include in the ATP calculation. Note that demand that falls on a non–manufacturing workday is considered a requirement on the previous manufacturing workday. All demand must have a scheduled due date within the ATP rule's past due demand days window.

- Sales Orders

  Includes your open sales orders as existing demand.

- Internal Orders

  Includes internal sales orders, placed by your other organizations, as existing demand.

- Discrete WIP

  Includes requirements generated by open WIP jobs.

- Repetitive WIP

  Includes requirements generated by WIP repetitive build schedules.

- Non–Standard WIP

  Includes requirements generated by non–standard WIP jobs.

- User–Defined

  This option allows you to import demand from non–Oracle applications, or create demand that may not be within your current Oracle applications. Includes demand that you load in the user demand table.

See Also

Defining ATP Rules: page 8 – 31

ATP Inquiry, *Oracle Order Management User's Guide*.

Defining ATP Rules

▶ **To define an available to promise rule:**

1. Navigate to the ATP Rules window.
2. Enter a unique name for the rule.
3. Optionally, select a type of consumption. You can choose both.

   Forward: Uses the available quantity from future periods to cover a period shortage.

   Backward: Uses the available quantity from prior periods to cover a period shortage.
4. If you selected *Backward* consumption, indicate whether ATP information should be calculated by carrying available quantity from one period over to the next (Accumulation).
5. If you choose to accumulate available quantity, enter the number of days to define this window of time in the Accumulation Window field.
6. Enter the number of days to determine the past due demand and supply time fence dates. When calculating the ATP quantity of an item, Oracle Inventory does not consider any demand or supply source scheduled before these dates.
7. Select an Infinite Supply Option to determine the infinite supply time fence date.

   When calculating the ATP quantity of an item, Oracle Inventory does not consider any supply source scheduled on or after this date. The infinite supply time fence date marks the end of the ATP horizon, after which Inventory assumes infinite supply is available to cover any scheduled demand.

   Cumulative total lead time: Use the cumulative total lead time of the item.

   Cumulative mfg lead time: Use the cumulative manufacturing lead time of the item.

Total lead time: Use the preprocessing, manufacturing, and postprocessing lead times of the item.

User–defined time fence: Use a lead time you specified when you defined the item

8. If you choose the *User–defined time fence* option, enter the number of lead time days in the Days field. This field is not available with other Infinite Supply options.
9. Indicate whether to calculate ATP based on defined demand classes. Demand classes allow you to segregate scheduled demand into user–defined groups.

   If you choose to calculate ATP based on defined demand classes the following Supply Source options are not available: on–hand available, interorg transfers, purchase orders, internal and supplier requisitions.
10. Select Demand and Supply Sources to use in ATP calculations.
11. Save your work.

See Also

ATP Rule Options: page 8 – 24

ATP Calculations: page 8 – 33

Viewing ATP Information: page 8 – 41

ATP Inquiry, *Oracle Order Management User's Guide*.

ATP Calculations

The ATP calculation can vary substantially based on the options you select for your ATP rule. Consumption options, time fences, supply and demand sources all impact the ATP calculation.

The examples illustrate some of these options. For all the examples, assume:

- a period is one day (in other words, supply comes in every workday) See: ATP by Period: page 8 – 51.
- supply and demand sources do not vary
- ATP begins by determining total supply and total demand by period over the ATP horizon
- *Projected QOH* is for information purposes only, to highlight the differences in projected quantity on hand for a period and available to promise

ATP with No Backward/Forward Consumption, No Accumulation (Period ATP)

The following table presents Period ATP.

Period ATP

Periods	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Total Supply	6	4	2	4	8	4	4	4
Total Demand	6	2	3	6	6	1	2	2
Projected QOH	0	2	1	(–1)	1	4	6	8
ATP	0	2	–1	–2	2	3	2	2
New Demand	–	–	–	–	–	2	–	–
New ATP	0	2	–1	–2	2	1	2	2

With period ATP, demand is subtracted from supply within each period; the result is available to promise. Excess supply or demand from one period has no impact on another period. No attempt is made to match up supply and demand across periods. In the example above, some periods have demand exceeding supply; the result is the negative ATP in periods 3 and 4. Without accumulation and backward consumption, the quantity of 2 remaining in period 2 is not used to meet the excess demand in period 3.

If we receive a new order for 2 with a shipment date in period 6, the ATP check would tell us that this is acceptable, as ATP for period 6 is 3. If we accept this order and recalculate ATP, demand for period 6 goes to 3 and ATP drops to 1.

See Also

Defining ATP Rules: page 8 – 31

ATP with Backward Consumption

The following table presents ATP with Backward Consumption.

Backward Consumption ATP

Periods	1	2	3	4	5	6	7	8
Total Supply	6	4	2	4	8	4	4	4
Total Demand	6	2	3	6	6	1	2	2
Projected QOH	0	2	1	(–1)	1	4	6	8
Period ATP	6–6	4–2=2	2–3= –1	4–6= –2	8–6=2	1	2	2
Backward Consume Period 3	–	2–1=1	<– –1	–2+1	–	–	–	–
Backward Consume Period 4	–	1–1= 0	<—	<– –1	–	–	–	–
ATP	0	0	0	–1	2	3	2	2
New Demand	–	–	–	–	–	3	–	–
New ATP	0	0	0	–1	2	0	–	2

With the backward rule, demand is subtracted from supply within each period, as long as sufficient supply is available. If supply is insufficient to meet demand in a period, ATP checks prior periods, and matches excess demand to excess supply from a prior period. This is illustrated in period 3, where demand exceeds supply by 1. ATP uses supply from period 2 to meet excess requirement in period 3. In period 4, demand again exceeds supply, so ATP goes back to period 2 again and uses the last remaining supply. Period 4 is still short 1. ATP checks prior periods up to the ATP run date, searching for a quantity available to use for

period 4. As long as no prior periods with available supply exist, ATP for period 4 is –1.

ATP check for a new order, quantity of 3 in period 7: ATP shows insufficient quantity to promise to meet this demand for the requested date. Instead, ATP returns an earliest ATP date of period 6. We can place new demand for period 6. After placing this new demand, ATP for period 6 shows zero.

Note that the ATP check showed the projected quantity on hand for period 7 is more than enough to meet demand. But this quantity comes from a build–up from prior periods. The ATP rule says not to accumulate available quantities. ATP for period 7 is period 7 supply less period 7 demand, giving an available to promise of 2.

See Also

Defining ATP Rules: page 8 – 31

ATP with Backward Consumption and Accumulation

The following table presents ATP with Backward Consumption and Accumulation.

ATP Periods, Backward Consumption with Accumulation Rule

Periods	1	2	3	4	5	6	7	8
Total Supply	6	4	2	4	8	4	4	4
Total Demand	6	2	3	6	6	1	2	2
Projected QOH	0	2	1	(–1)	1	4	6	8
Period ATP	6–6	4–2=2	2–3= –1	4–6= –2	8–6=2	4–1=3	4–2=2	4–2=2
Accumulation	–	2–>	2–1=1 –>	1–2= (–1)	–	3+2=5 –>	5+2=7 –>	7+2=9
ATP	0	0	0	–1	2	5	7	9
New Demand	–	–	–	–	–	–	3	–
New ATP	0	0	0	–1	2	2	4	5

With this rule, demand is subtracted from supply within each period, and the remaining quantity available is carried over into the next period.

Negative quantities are not carried over. Accumulation is illustrated beginning in period 2, as a quantity of 2 is carried over and added to the available quantity for period 3. This surplus from period 2 is consumed in periods 3 and 4. The negative ATP quantity in period 4 is not accumulated, giving an ATP quantity of 2 in period 5. The remaining periods continue to accumulate the period ATP quantities, resulting in an ATP of 9 for period 8.

Running the same ATP check as in the previous example, where backward consumption was the only option turned on: again, single ATP check for a quantity of 3 in period 7. ATP is 7, so adequate ATP exists to cover. Since the ATP rule is now accumulating, this yields period 7 supply less period 7 demand plus the excess quantities from prior periods available to promise. This contrasts to the two ATP rules above, period ATP and backward ATP, where the available to promise within a period is limited to the supply quantity for the period less the demand quantity for the period.

See Also

Defining ATP Rules: page 8 – 31

ATP with Forward Consumption

The following table presents ATP with Forward Consumption.

ATP Periods, Forward–only Rule

Periods	1	2	3	4	5	6	7	8
Total Supply	6	4	2	4	8	4	4	4
Total Demand	6	2	3	6	6	1	2	2
Projected QOH	0	2	1	(–1)	1	4	6	8
Period ATP	6–6	4–2=2	2–3= –1	4–6= –2	8–6=2	4–1=3	4–2=2	4–2=2
Forward Consumption	–	–	–1–>	(–1)+ (–2)= (–3)–>	2–(3)= –1 –>	3–1=4	–	–
ATP	0	2	0	0	0	2	2	2
New Demand	–	2	–	–	–	–	–	–
New ATP	0	0	0	0	0	2	2	2

As always, period demand is subtracted from period supply as long as sufficient supply is available. If supply is insufficient to meet demand in a given period, ATP nets the excess demand from a future period's excess supply. Forward consumption begins in period 3, where demand exceeds supply by 1. ATP moves forward to period 4, where demand exceeds supply by 2. Moving into period 5, excess demand totalling 3 is carried from prior periods. This 3 consumes the net supply quantity of 2 for period 5, leaving an ATP of zero in period 5.

Next, an excess demand of 1 is carried into period 6, reducing period 6 ATP quantity to 2. Note that with forward ATP, no negative ATP periods exist as long as excess supply exists anywhere in the ATP horizon. Forward ATP nets any excess demand in one period from the surplus supply in a future period, with no limit on the time or number of periods into the future. With this rule, backward consumption is off, and accumulate available is off, so the available quantity in period 2 is not used for demand falling into future periods.

ATP check for a new order: any check for a quantity greater than 2 for any period fails, as 2 is the most that can be promised in any one period. For an ATP check for a quantity of 2 in period 4, ATP returns an earliest ATP of 2 in period 2, but indicates that there is no available to promise on the date requested. We can change the order date to period 2, or choose a date out in the future that also has availability to promise.

See Also

Defining ATP Rules: page 8 – 31

ATP with Backward Consumption and Accumulation, Accumulation Window of 2 Days

The following table presents ATP with Backward Consumption and Accumulation, with an accumulation window of two days.

ATP Periods, Backward with Accumulation, 2 Day Window Rule

Periods	1	2	3	4	5	6	7	8
Total Supply	6	4	2	4	8	4	4	4
Total Demand	6	2	3	6	6	1	2	2
Projected QOH	0	2	1	(–1)	1	4	6	8
Period ATP	6–6	4–2=2	2–3=–1	4–6=–2	8–6=2	4–1=3	4–2=2	4–2=2
Accumulate, 2 Day Window	–	2–>	2–1=1	–	2–>	2+3=5 3–>	3+2=5 2–>	2+2=4
ATP	0	1	1	–2	2	5	5	4
New Demand	–	–	–	–	–	–	5	–
New ATP	0	1	1	–2	2	0	0	2

With this rule, demand is subtracted from supply within each period, and the remaining quantity available is carried over into the next period. Negative quantities are not carried over (accumulated) to future periods. However, accumulating quantity is limited to two days. Beyond the accumulation window, the quantity is no longer available. This accumulation window is also used for backward consumption; ATP goes back no further than the accumulation window in doing backward consumption.

In the example, accumulation begins with the excess supply out of period 2. It carries over into period 3, where demand exceeds supply by 1. The remaining unit does not, however, accumulate from period 2 into period 4, as the end of the accumulation window has been reached. Period 4 has negative ATP as demand exceeds supply, and period 3, the only period within the accumulation window of period 4, has no excess supply. The accumulation window comes into play again in period 8.

Here, ATP is 4, consisting of the 2 available from excess supply within the period, and 2 carried over from period 7. The 3 in period 6 reaches the end of the window, and so is not included as available to promise in period 8.

ATP check for a new order: the largest ATP is 5 in period 7. We can enter an order for 5 to ship in period 7. For a subsequent ATP check, ATP for period 7 becomes zero, as is ATP for period 6. ATP for period 6 goes to zero as the period 7 order for 5 backward consumes 3 from period 6 and the remaining 2 in period 7.

See Also

Defining ATP Rules: page 8 – 31

Running ATP by Demand Class

You can use demand classes to segment supply and demand into groups. A demand class may represent a particular grouping of customers for which you plan and track supply and demand separately, or it may be used to group sales and production together by region, forecast, or whatever grouping your business needs require.

To use demand classes, you assign a demand class when creating jobs, repetitive build schedules, sales orders, and master production schedules. ATP provides an option to check available to promise for a single demand class. Only supply and demand for the specified demand class is used in the ATP calculation. See: Demand Classes, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

▶ **To run ATP by demand class:**

1. Define a demand class ATP rule. See: Defining ATP Rules: page 8 – 31.

   Create your demand class rule using the ATP Rules window. Turn on the *ATP by Demand Class* option.

   Attention: For demand class ATP rules, the *Supply Source Options* do not include available on–hand, purchase orders, supplier requisitions, inter–organization transfers, and internal requisitions.

2. Specify a *Demand Class* in the ATP Information window. See: Viewing ATP Information: page 8 – 41.

   Specify your ATP criteria with a demand class ATP rule. If you specify an ATP rule that is not set up for demand class ATP, the demand class is ignored, and *all* supply and demand sources specified by the ATP rule are used to determine ATP.

See Also

ATP Rule Options: page 8 – 24

Viewing ATP Information

The ATP Information window is the entry point for calculating and viewing standard available to promise, capable to promise, and supply chain ATP information. For information distinguishing these types of ATP information and describing setup requirements, see: Supply Chain ATP, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide* and Capable to Promise, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*

You can view the ATP quantity for an item or a group of items. You can perform the ATP inquiry for your current organization or any other organization where you carry your item. If you want a full availability picture in standard ATP for your item across multiple organizations, you can submit the ATP calculation for the same item in as many organizations as you have it defined. Oracle Inventory calculates the ATP by item organization based on the required quantity and required date you enter. You can also view each item's ATP result and supply / demand detail.

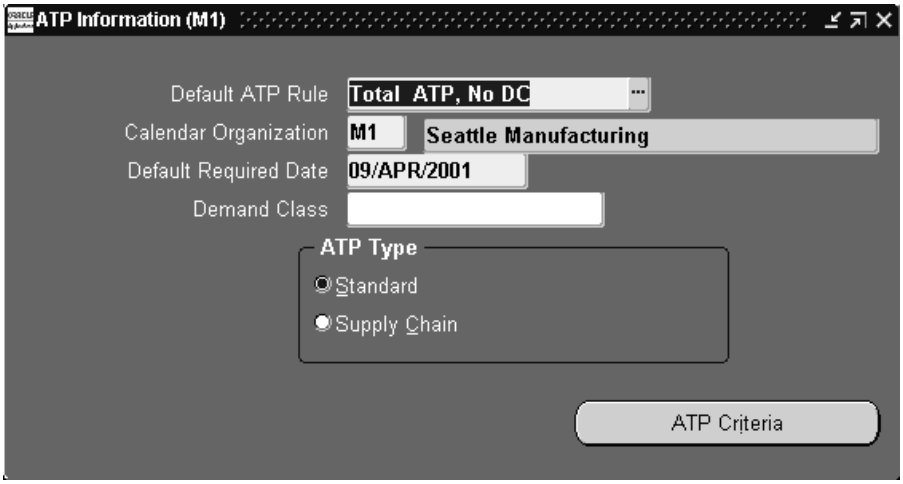
In Oracle Work in Process, you can access ATP information for discrete job components by choosing the Check ATP button in the Material Requirements window. WIP opens the ATP Results window directly, deriving ATP parameters and criteria that are normally entered in the ATP Information window and the ATP Criteria window. See: Viewing ATP Material Availability, *Oracle Work in Process User's Guide*. See also: Viewing ATP Results: page 8 – 48.

You can also use the ATP inquiry as you enter sales orders or schedule sales orders in Oracle Order Management. Depending on your system and item setup, Oracle Order Management can automatically perform on-line ATP checking when you place demand.

Supply Chain Available to Promise provides a global view of material availability for the requested demand. You can view all possible supply sources for an order line, ship set, and configuration. You can view full details of your supply sources. See: Viewing Supply Chain ATP Results, *Oracle Inventory User's Guide*

▶ **To view the available to promise information for an item.**

1. Navigate to the ATP Information window.



2. Enter a default ATP rule that defines the options to use to calculate the ATP quantity of an item. You can override this selection by entering an ATP rule in the Enter Criteria region of the ATP Criteria window. See: Entering ATP Criteria: page 8 – 44.

   The default rule is the rule you entered in the Organization Parameters window for the current organization. See: Defining Organization Parameters: page 2 – 17.

3. Enter the organization whose workday calendar is to be used in determining ATP results.

4. Enter the default date on which you need the item. You can override this date by entering a required date in the ATP Criteria window. See: Entering ATP Criteria: page 8 – 44.

5. Optionally, enter a demand class to use for supply and demand for the ATP information.

   Choose a demand class only if you are running ATP by demand class and have specified a demand class ATP rule. See: Demand Classes, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide.*

6. Check Standard in the ATP Type region.

7. Choose the ATP Criteria button to navigate to the ATP Criteria window, where you can enter ATP criteria for the item to check. See: Entering ATP Criteria: page 8 – 44.

8. Choose the ATP Results button to navigate to the ATP Results window. See: Viewing ATP Results: page 8 – 48.

▶ **To view available to promise information for a group of items:**

1. Enter the information in the ATP Information window as you would for a single item.
2. Check Standard in the ATP Type region.
3. Choose the ATP Criteria button to navigate to the ATP Criteria window.
4. In the ATP Criteria window, enter the organizations, items, ATP rules, quantities, dates, and optional lead times that make up your group. See: Entering ATP Criteria: page 8 – 44.

   You can check ATP for items in multiple organizations, and you can specify different ATP rules for each line. You may not, however, list an item for a single organization more than once.
5. Choose the ATP Results button to navigate to the ATP Results window. See: Viewing ATP Results: page 8 – 48.

▶ **To view supply chain ATP information:**

1. Enter the information in the ATP Information window as described above.
2. Check Supply Chain in the ATP Type region.
3. Choose the ATP Criteria button to navigate to the ATP Criteria window.
4. In the ATP Criteria window, enter the desired customer, customer site, and other information. See: Entering ATP Criteria: page 8 – 44.
5. Choose the Continue button to navigate to the ATP Sources and Group Availability window. See: Viewing Supply Chain ATP Results: page 8 – 46.

See Also

Defining ATP Rules: page 8 – 31

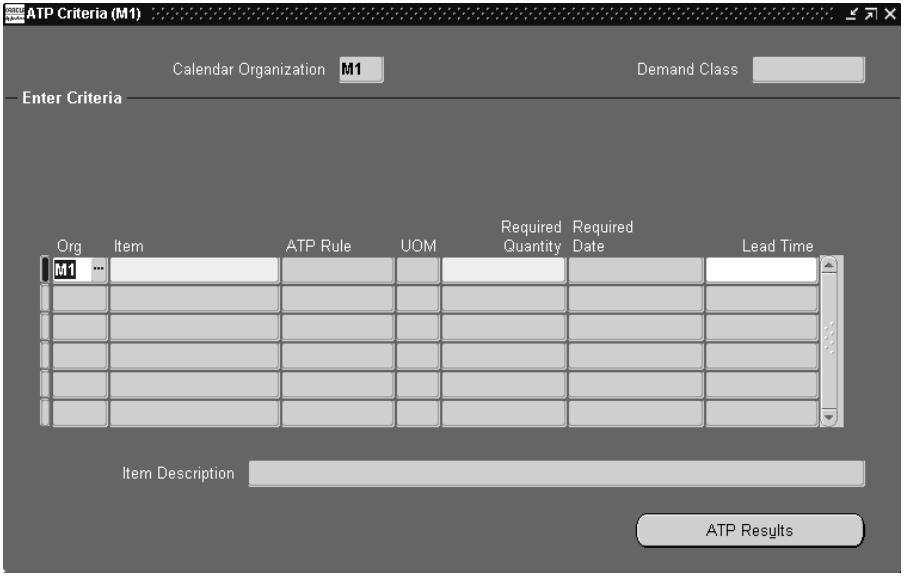
ATP Calculations: page 8 – 33

ATP Inquiry, *Oracle Order Management User's Guide*.

Entering ATP Criteria

▶ **To enter the items for which to calculate ATP or supply chain ATP information:**

1. Navigate to the ATP Information window and enter the required information. See: Viewing ATP Information: page 8 – 41.



2. In the ATP Type region, check either Standard or Supply Chain to indicate the type of information you want. Choose the ATP Criteria button to open the ATP Criteria window.
3. If you opened this window after checking Supply Chain in the ATP Information window, this window displays two additional required fields (Customer and Customer Site).
4. If you opened this window after checking Standard in the ATP Information window, you can enter the organization of the item for which you want to calculate ATP information. The default is the calendar organization you entered in the ATP Information window. If you opened this window after checking Supply Chain in the ATP Information window, the Organization field is not present.
5. Enter an item for which you want to calculate ATP information.
6. Enter an ATP rule that defines the options to use to calculate the ATP quantity of an item.

The default is either the Item Master rule or the rule you chose in the Default ATP Rule field in the ATP Information window.

7. Enter the unit of measure of the item for which you want to calculate ATP information.
8. Enter the required quantity of the item.
9. Enter the date on which you need the item.
10. Optionally, enter the number of days before the request date that you need the item (Lead Time).
11. If you opened this window after checking Standard in the ATP Information window, choose the ATP Results button to calculate ATP and open the ATP Results window. See: Viewing ATP Results: page 8 – 48. If you opened this window after checking Supply Chain in the ATP Information window, choose the Continue button to open the ATP Sources and Group Availability window. See: Viewing Supply Chain ATP Results: page 8 – 46.

Viewing Supply Chain ATP Results

The ATP Sources and Group Availability window displays supply chain ATP information for the criteria selected in the ATP Criteria window. For this information, you can then calculate and view group availability.

▶ **To enter the items for which to calculate supply chain ATP information:**

1. Navigate to the ATP Information window and enter the required information. See: Viewing ATP Information: page 8 – 41.
2. Check Supply Chain in the ATP Type region.
3. Choose the ATP Criteria button to open the ATP Criteria window and enter the required information. See: Entering ATP Criteria: page 8 – 44.

▶ **To view the supply chain ATP results:**

4. Choose the Continue button to open the ATP Sources and Group Availability window. See: Viewing Supply Chain ATP Results: page 8 – 46.

The ATP Sources and Group Availability window displays current supply chain available to promise information for the customer and item in the following fields: *Org*, *Supplier*, *Supplier Site*, *Ship Method*, and *Lead Time*

▶ **To calculate group ATP:**

- Select one or more of the displayed organization lines and then choose the Calculate ATP button. When the calculation is complete, the Group ATP Date region displays the Ship Date and Receipt Date, both offset by intransit lead time, if any.

▶ **To view atp details for the selected source organization line:**

- After you have calculated group ATP availability, choose the ATP Results button to open the ATP Results window for the current line. See: Viewing ATP Results: page 8 – 48.

▶ **To view the supply, demand, and ATP item quantities for the periods that fall between the current date and the infinite supply time fence date:**

- In the ATP Results window, choose the Period ATP button. See: Viewing ATP by Period Detail: page 8 – 52.

▶ **To view the supply source and demand source used to calculate the ATP quantity for the item:**

- In the ATP Results window, choose the Supply / Demand button. See: Viewing ATP Supply / Demand Detail: page 8 – 53.

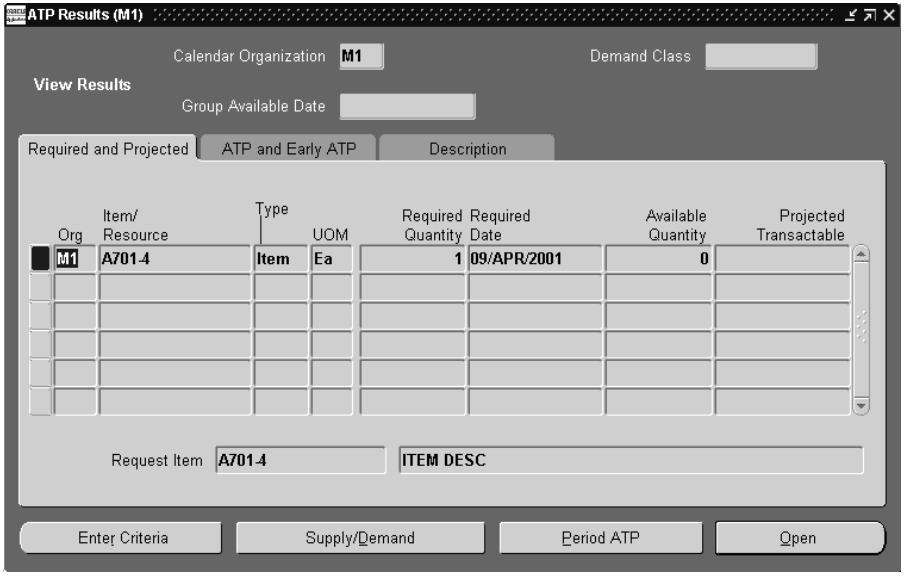
Viewing ATP Results

In Oracle Work in Process, you can access ATP information for discrete job components by choosing the Check ATP button in the Material Requirements window. WIP opens the ATP Results window directly, deriving ATP parameters and criteria that are normally entered in the ATP Information window and the ATP Criteria window. See: Viewing ATP Material Availability, *Oracle Work in Process User's Guide*.

In Oracle Inventory, you can access the ATP Results window only from the ATP Criteria window and the ATP Sources and Group Availability window.

▶ **To view the results:**

- Choose the ATP Results button in the ATP Criteria window or the ATP Sources and Group Availability window to open the ATP Results window.



The ATP Results window displays current available to promise information for the item in the following tabbed regions:

- Required and Projected tabbed region:

  Required Quantity and *Required Date*: the information you entered in the ATP Criteria window.

Available Quantity: the current on–hand quantity on the required date that is available to promise.

Projected Transactable: the projected on–hand quantity of the item on the required date, defined as the current available quantity, minus reservations, plus all future sources of supply and less all future sources of demand up to the required date.

- ATP and Early ATP tabbed region:

  ATP Date: the first date on or after the required date that the required quantity is available.

  ATP Quantity: the projected on–hand quantity of the item at the ATP date.

  Early ATP Date: the earliest date that the required quantity of the item is projected to be available.

  Early ATP Quantity: the quantity of the item available on the earliest ATP date. If the earliest ATP date is the date corresponding to infinite supply, the quantity is displayed as 10,000,000,000.

- Description tabbed region:

  Description: the item description.

▶ **To display result detail:**

- To display information from all the tabbed regions on a single screen for the current line, choose the Open button to open the Result Detail window.

▶ **To view the supply, demand, and ATP item quantities for the periods that fall between the current date and the infinite supply time fence date:**

- Choose the Period ATP button. See: Viewing ATP by Period Detail: page 8 – 52.

▶ **To view the supply source and demand source used to calculate the ATP quantity for the item:**

- Choose the Supply / Demand button. See: Viewing ATP Supply / Demand Detail: page 8 – 53.

▶ **To enter new criteria:**

- Choose the Enter Criteria button to return to the ATP Criteria window. This button is not present when you access this window from Oracle Work in Process or when you access this window from the ATP Sources and Group Availability window.

ATP by Period

ATP by period provides ATP detail for your item over the entire ATP horizon. ATP period start dates begin with the current system date, and change with each supply event that falls on a proceeding date. The supply quantity for the first period includes quantity on hand and open supply orders due on or before the current system date. The demand quantity for the first period includes all requirements with a required date on or before the ATP period end date.

ATP periods always run from one supply event date to the next. For example, if your item is replenished with work in process jobs, and you have jobs scheduled for completion on a weekly basis, ATP periods begins on the job's scheduled completion date and end the day before the next job's scheduled completion date.

The last ATP period displayed in the ATP by Period window has a period start date based on the infinite supply date. Oracle Inventory assumes that any demand beyond the infinite supply date can be met. As a default, Inventory provides an ATP quantity of 10,000,000,000 for the infinite supply date. If ATP results show a quantity of 10,000,000,000, ATP says in effect that you do not have sufficient available to promise *until* the infinite supply date (in other words, you do not have sufficient ATP on the date you requested, nor at any time beyond that date through the ATP horizon). The infinite supply date is determined by the infinite supply option of the ATP rule. You may specify an number of manufacturing days as the infinite supply fence, or you can use one of the item lead time options. If you choose user–defined time fence and leave *Infinite Supply* days null, Inventory does not generate an infinite ATP quantity.

See Also

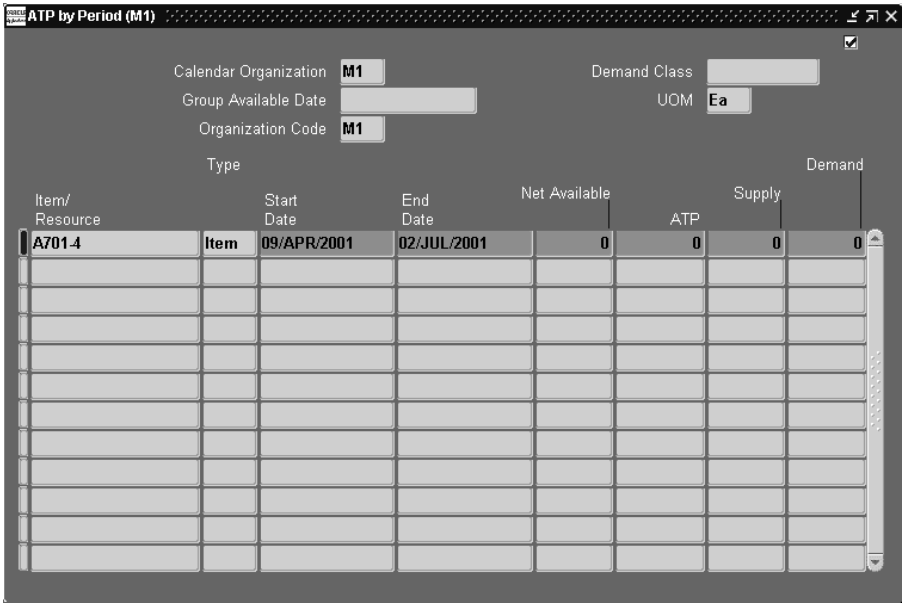
Viewing ATP by Period Detail: page 8 – 52

Defining ATP Rules: page 8 – 31

Viewing ATP by Period Detail

▶ **To view the supply, demand, and ATP item quantities for the periods that fall between the current date and the infinite supply time fence date:**

1. Navigate to the ATP Results window. See: Viewing ATP Results: page 8 – 48.
2. Choose the Period ATP button. The ATP by Period window displays the item quantity information by period for each item.



Note: A period begins on a scheduled supply date and ends on the day before the next scheduled supply date.

- *Net Available*: Displays the difference between the period supply and period demand quantity for the item.
- *ATP*: Displays the period ATP quantity for the item. This quantity is calculated based on your ATP rule.

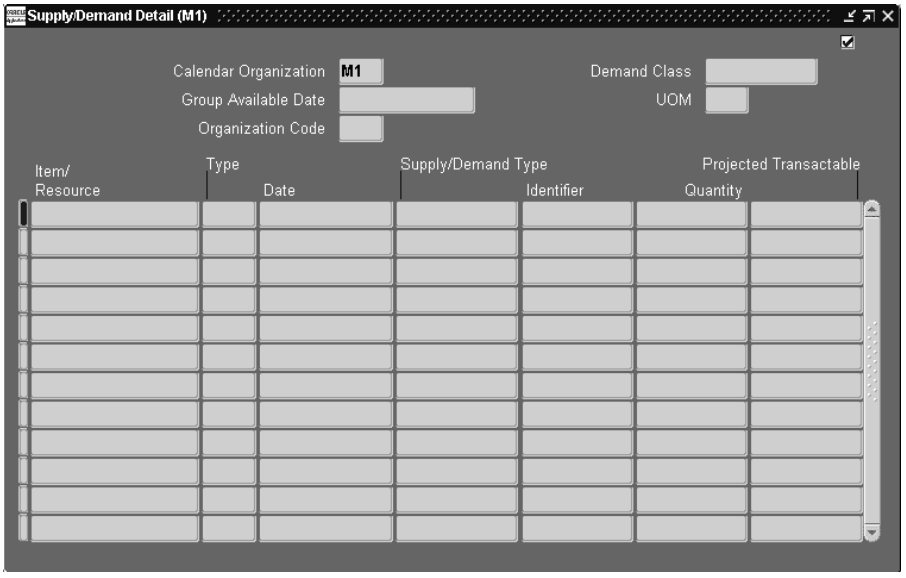
See Also

ATP by Period: page 8 – 51

Viewing ATP Supply/Demand Detail

▶ **To view the supply source and demand source used to calculate the ATP quantity for the item:**

1. Navigate to the ATP Results window. See: Viewing ATP Results: page 8 – 48.
2. Choose the Supply / Demand button. The Supply / Demand Detail window displays source information for each item.



- *Supply/Demand Date*
- *Supply/Demand Type*: This is the supply source or demand source type, such as Account alias, Account number, Discrete MPS, Intransit receipt, On–hand quantity, On–hand reservation, Purchase order, Reserved account alias, Reserved account number, Reserved sales order, Sales order, User demand, User supply, WIP discrete job, WIP nonstandard job, and WIP repetitive schedule.
- *Identifier*: This is the identifier for the supply source or demand source, such as the purchase order number or work in process discrete job number.

  Individual reservations are displayed along with the source of the reservation. The total reservation quantity is displayed as Demand Type ”On–hand reservation” and is deducted from the

on–hand quantity to determine the available quantity. The individual reservations are displayed but are not individually deducted from the available quantity.

- *Projected Transactible*: Displays the projected on–hand quantity of the item, defined as the current available quantity plus all future sources of supply and less all future sources of demand up to the required date. Individual reservations are displayed along with the source of the reservation. The total reservation quantity is displayed as Demand Type ”On–hand reservation” and is deducted from the on–hand quantity to determine the available quantity. The individual reservations are displayed but are not individually deducted from the available quantity.

CHAPTER

9 Planning and Replenishment

Overview of Inventory Planning and Replenishment

Oracle Inventory lets you manage your inventory levels using any combination of the system's planning and replenishment features, including min–max planning, reorder point planning, kanban replenishment, and a replenishment system for generating orders.

Inventory planning involves answering two questions:

- When should you place a new order?
- How much should you order?

Available Features

- Plan any item by establishing minimum and maximum on–hand plus on–order quantity targets. See: Defining Items: page 5 – 6, Inventory Attribute Group: page 5 – 43, and Requesting the Min–Max Planning Report: page 9 – 21.
- Plan any item using reorder points and safety stock levels. See: Requesting the Reorder Point Planning Report: page 9 – 31.
- Calculate safety stock levels for reorder point planning. See: Entering and Reloading Item Safety Stocks: page 9 – 25.
- Define non–tracked inventory locations and periodically enter replenishment counts. See: Entering and Processing Replenishment Counts: page 9 – 53.
- Generate requisitions for any item requiring replenishment. See: Entering and Processing Replenishment Counts: page 9 – 53, Requesting the Min–Max Planning Report: page 9 – 21, Requesting the Reorder Point Planning Report: page 9 – 31, Overview of Kanban Replenishment: page 9 – 34, and Defining Kanban Pull Sequences: page 9 – 40.
- Generate move orders for any item requiring replenishment. See: Overview of Move Orders: page 7 – 67.
- Generate a job / schedule for any item requiring replenishment. See: Overview of Kanban Replenishment: page 9 – 34, Defining Kanban Pull Sequences: page 9 – 40, and Min–Max Planning: page 9 – 12.
- Define kanban cards and pull sequences. See: Defining Kanban Cards: page 9 – 45 and Defining Kanban Pull Sequences: page 9 – 40.

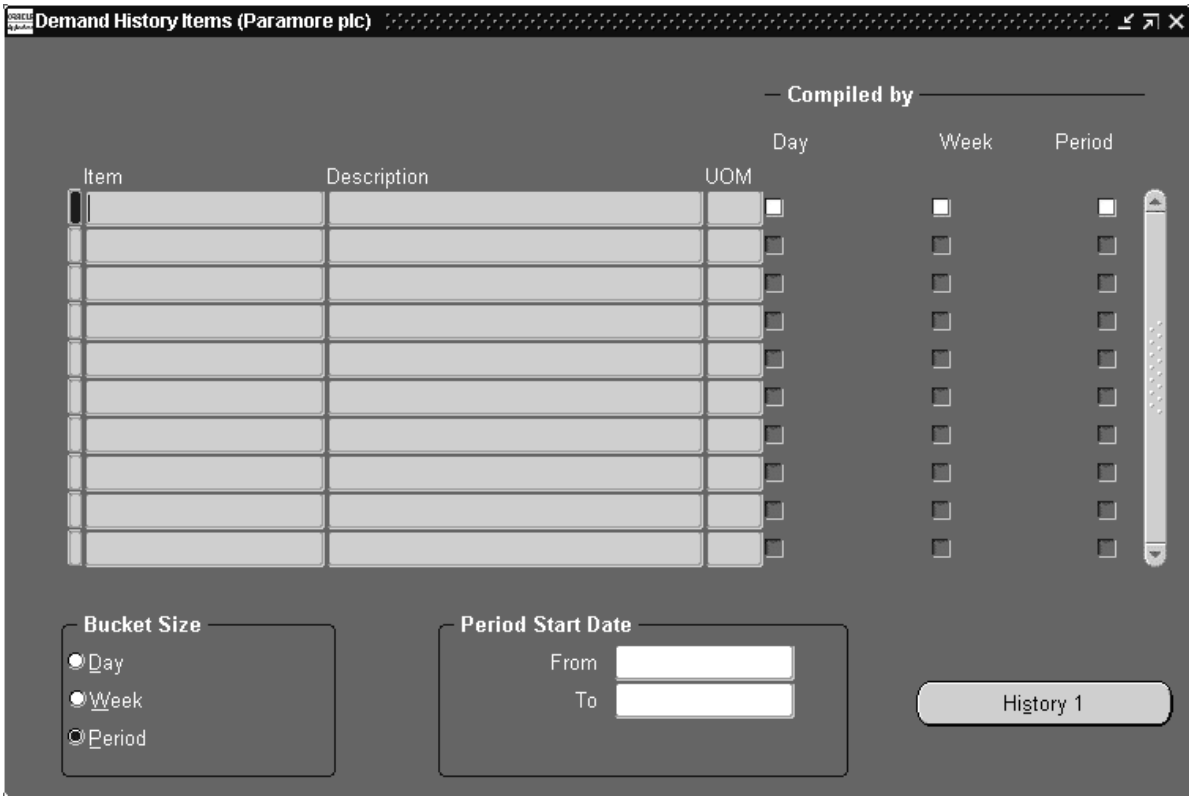
- Summarize demand history for a specific inventory item. See: Summarizing Demand History: page 9 – 4 and Requesting the Summarize Demand Histories Report: page 9 – 6.
- Purge replenishment information including the count name, counting methods, and quantities. See: Purging Replenishment Counts: page 9 – 56.

Summarizing Demand History

You can summarize demand histories for all items, items within a category, or a specific item.

▶ **To specify the parameters by which demand history is summarized:**

1. Navigate to the Demand History Items window. The Find Demand History Items window appears.



2. Enter search criteria to query the items for which you want to summarize demand. Choose Find to start the search and display the information in the Demand History Items window.

   Note: If you do not enter search criteria, when you choose Find the search is made for all items.

3. Determine the bucket size for demand history summarization. If you want demand history by day and by week and by monthly period, you must compile each bucket type.

Day: Use workday periods. Compiles the transaction history back for the previous 260 daily periods.

Week: Use weekly periods. Compiles the transaction history for the previous 260 weekly periods.

Period: Use manufacturing calendar periods. Compiles transaction history for the previous 260 monthly periods. The type of period is determined by the organization calendar you defined in the Define Calendar form.

If Oracle Inventory finds that the bucket type has already been compiled, the process attempts to save processing time. Oracle Inventory checks to see if the accounting period has been closed, and does not recompile any transactions from a closed period. No new transactions can be entered in a closed period. Therefore, it is not necessary to recompile those transactions.

4. Optionally, enter period start and end dates. Either or both may be left blank.

▶ **To view demand history results:**

1. Select items for which to display history information.
2. Choose the History button. Results display in the Demand History window.
3. Use the tabbed regions to view the information sorted by item and then date or by date and then item.
4. Review information for the following:
   - sales order shipments
   - inter–organization shipments
   - miscellaneous issues
   - issues to WIP
   - total issues

▶ **To view transaction detail for a specific item:**

1. From the Demand History window select an item.
2. Choose the Detail button. See: Viewing Material Transactions: page 7 – 42.

See Also

Viewing Demand History Information: page 9 – 6

Searching for Information, *Oracle Applications User's Guide*

Requesting the Summarize Demand Histories Report

You can print a report to view demand history information. The information in the report is the same information you see when you choose History on the Demand History Items window.

▶ **To launch the report to view demand history for items:**

1. Navigate to the Summarize Demand History or All Reports window.
2. Enter *Summarize demand histories* in the Name field. The Parameters window appears.
3. Choose a period type option:

   Days: Use daily periods.

   Weeks: Use weekly periods.

   Periods: Use manufacturing calendar periods.
4. Select the scope of the summarization. You can summarize demand history for *All inventory items*, a *Specific inventory item*, or for items in a *Specific category*.
5. If you choose *Specific inventory item*, enter an item.
6. If you choose *Specific category*, enter a category set and category.
7. Choose submit to launch the process.

See Also

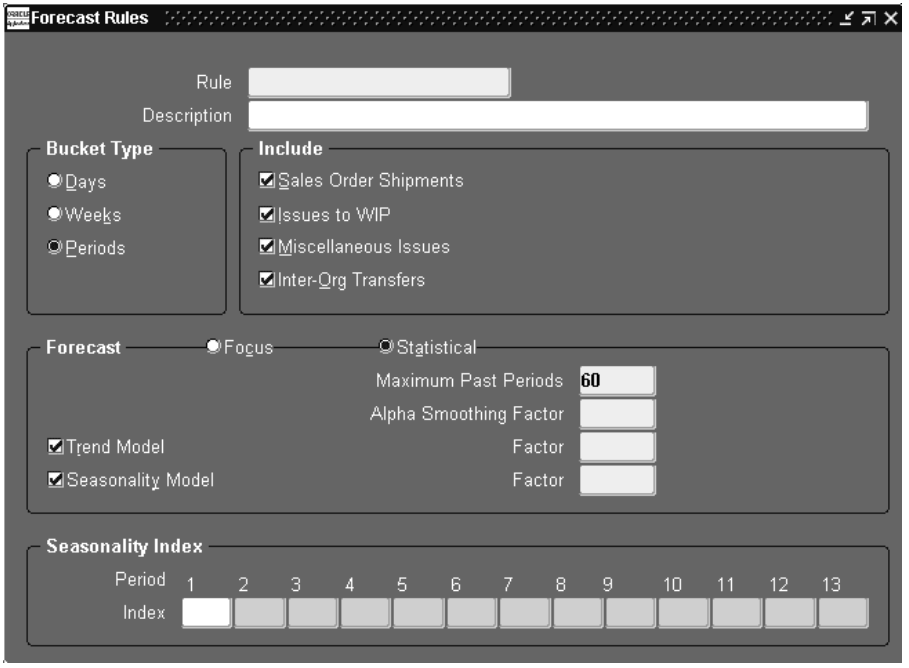
Submitting a Request, *Oracle Applications User's Guide*

Defining a Forecast Rule

You can define forecast rules to use when loading forecasts. Defining forecast rules includes choosing forecast source options, entering statistical forecast parameters, and entering and adjusting initial seasonality indices.

▶ **To define a forecast rule:**

1. Navigate to the Forecast Rules window.



2. Enter a unique name for the rule.
3. Indicate whether the bucket type is days, weeks, or periods.
4. Determine the transaction types to use as demand sources. The quantities associated with each source are used when calculating historical usage:

   Sales Order Shipments: Includes sales order issue quantities.

   Issues to WIP: Includes WIP issue quantities.

   Miscellaneous Issues: Includes quantities issued with user–defined transaction sources, account numbers, and account aliases.

Inter–Org Transfers: Includes quantities issued to other organizations.

5. Indicate the forecast method to use:

   Focus: Uses focus forecasting algorithms to forecast demand for the item. This procedure tests the selected items against a number of forecasting techniques and chooses the best one, based on history, as the technique to forecast future demand.

   Statistical: Uses exponential smoothing, trend, and seasonality algorithms to forecast demand for the item

▶ **If you choose statistical forecasting, continue with the following steps:**

6. Enter the maximum number of past periods upon which to base the forecast
7. Enter the factor by which to smooth demand for each successive period in the forecast. This levels demand throughout the forecast, reducing dramatic upward or downward fluctuations.

   You can enter values from 0 to 1. Values closer to 0 give more weight to past demand; values closer to 1 give more weight to current demand.

8. Indicate whether to base the forecast on a trend model.

   Turning this option on performs smoothing on the upward or downward trend in demand.

9. Enter the factor by which to smooth the trend change in demand from period to period. This produces a more linear rise or fall in demand from period to period over the course of the forecast.

   You can enter values from 0 to 1. Values closer to 1 give more weight to recent changes and trends. Values closer to 0 give more weight to historical trend.

10. Indicate whether to base the forecast on a seasonality model.

    Turning this option on bases the forecast on a seasonal adjustments you define for the forecast rule.

11. Enter the factor by which to smooth the seasonality indices you define by period for this forecast rule. This produces a more even pattern of seasonal demand from period to period over the course of the forecast.

You can enter values from 0 to 1. Values closer to 0 give more weight to past seasonal indices; values closer to 1 give more weight to current seasonal indices.

12. Enter an index that describes the seasonal influence on the period. For example, 2 indicates that you expect the forecast to double in that period because of seasonal factors.
13. Save your work.

▶ **To delete a forecast rule:**

- You can delete a forecast rule if there are no references to it.

Order Modifiers

When you define an item or an item–subinventory relationship, you can specify attributes that modify your order quantities. You can use them to model supplier constraints that restrict the size of an order or mandate a specific lot size. You can specify minimum and maximum order quantities and fixed lot size modifiers. For replenishing subinventories, these same order modifiers can be set by item at the subinventory level.

If an order is smaller than the minimum order quantity, Inventory modifies the order upward to the minimum order quantity. Likewise, if the order is larger than the maximum order quantity, it modifies it downward to the maximum order quantity.

An order must be a multiple of the fixed lot size multiplier. If it is not, it is revised upward so that the order is such a multiple.

See Also

Defining Items: page 5 – 6

General Planning Attribute Group: page 5 – 72

Min–Max Planning

You can use min–max planning to maintain inventory levels for all of your items or selected items. With min–max planning, you specify minimum and maximum inventory levels for your items. When the inventory level for an item (on–hand quantities plus quantities on order) drops below the minimum, Oracle Inventory suggests a new purchase requisition, internal requisition, move order, or job to bring the balance back up to the maximum.

Oracle Inventory performs min–max planning for your items at either the organization level or the subinventory level. When you min–max plan at the organization level, you can optionally include the following transactions as demand in the min–max planning calculation: unreserved sales orders, reserved sales orders, account issue move orders, and work in process component requirements. Purchase requisitions and internal requisitions for buy items and WIP unreleased jobs for make items for the suggested replenishment quantities can be optionally created. You can then turn these requisitions into purchase orders or internal orders and the unreleased jobs into jobs for the required items.

Note: The INV:Purchasing by Revision profile option determines whether a revision will be specified when a purchase requisition is created for revision–controlled items. See: Inventory Profile Options: page 1 – 26.

When you min–max plan at the subinventory level, you can optionally include only unreserved sales orders, reserved sales orders, account issue move orders, and subinventory transfer move orders as demand in the min–max planning calculation. Purchase requisitions, internal requisitions, or pre–approved move orders for the suggested replenishment quantities can be optionally created. You can then turn requisitions into purchase orders or internal orders for the required items. See: Overview of Move Orders: page 7 – 67.

Note: Subinventory level planning cannot generate jobs and does not consider WIP jobs as supply or WIP components as demand.

Organization Level Min–Max Planning

When you min–max plan at the organization level, Oracle Inventory looks at inventory balances, purchase requisitions, internal requisitions, internal sales orders, and WIP jobs as supply. It looks at sales orders, WIP job component requirements, and account issue move orders as demand.

To use min–max planning at the organization level, you must set the item attributes used by min–max planning. You can start by setting the Inventory Planning Method item attribute to *Min–max planning*. You establish your minimum and maximum levels used in the calculation using the Min–Max Minimum Quantity and the Min–Max Maximum Quantity item attributes. You can optionally set the order quantity modifier item attributes (Minimum Order Quantity, Maximum Order Quantity, and Fixed Lot Size Multiplier) to further control the suggested order quantities generated by min–max planning. Set the Make or Buy flag to *Make* to optionally generate unreleased jobs and to *Buy* to optionally generate requisitions. For buy items, set the List Price for the item to automatically generate requisitions. See: General Planning Attribute Group: page 5 – 72.

For repetitive items, since you cannot generate repetitive plans, you have the option of generating requisitions, unplanned jobs, or a report only.

Min–max planning is performed by running the Min–Max Planning report. By selecting organization level planning, you run min–max planning for your organization. In addition to the planning level option, Oracle Inventory offers the options to *Net Reserved Orders*, *Net Unreserved Orders*, *Net WIP Demand*, and *Include Non–nettable Inventory Quantities* when calculating availability. You also specify a *Demand Cutoff Date* and a *Supply Cutoff Date*. If you choose *No* to all the net demand options, Oracle Inventory performs the following calculation:

- Nettable Quantity on Hand + On Order = Total Available, in which:
  - Nettable Quantity on Hand is the sum of the quantities on hand for the item across all the nettable subinventories within your organization. Non–nettable quantities may optionally be included.
  - On Order is the sum of open purchase orders, purchase requisitions, internal requisitions, internal orders, and work in process jobs scheduled for receipt on or before the supply cutoff date.
- If Total Available < Minimum Quantity, suggest a new order, in which:
  - Minimum Quantity is the value for the Min–Max Minimum Quantity item attribute.
- Order Quantity = Maximum Quantity – Total Available, adjusted for order quantity modifiers:

- Oracle Inventory revises the order quantity if necessary for the quantity to be a multiple of the fixed lot size multiplier.
- The order quantity must be greater than or equal to the minimum quantity, or Oracle Inventory revises the quantity upward to the minimum.

If you choose *Yes* to any of the net demand options, Oracle Inventory performs the following calculation:

- Nettable Quantity on Hand + On Order – Open Demand = Total Available, in which
  - Nettable Quantity on Hand is the sum of the quantities on hand for the item across all the nettable subinventories within your organization. Non–nettable quantities may optionally be included.
  - On Order is the sum of open purchase orders, requisitions, internal orders, and work in process jobs scheduled for receipt on or before the supply cutoff date.
  - Open Demand is the sum of unreserved sales orders, inventory reservations, including reserved sales orders, account issue move orders, and WIP component demand scheduled for issue on or before the demand cutoff date.
- If Total Available < Minimum Quantity, suggest a new order, in which
  - Minimum Quantity is the value for the Min–Max Minimum Quantity item attribute.
- Order Quantity = Maximum Quantity – Total Available, adjusted for order quantity modifiers:
  - Oracle Inventory revises the order quantity if necessary for the quantity to be a multiple of the fixed lot size multiplier.
  - The order quantity must be greater than or equal to the minimum quantity, or Oracle Inventory revises the quantity upward to the minimum.
  - The order quantity must be less than or equal to the maximum quantity, or Oracle Inventory revises the quantity down to the maximum.

When you run the Min–Max Planning report, you can have Oracle Inventory create requisitions for buy items and unreleased jobs for make items by answering *Yes* to *Restock*. You must also specify a location to serve as the default deliver to location on the requisitions. Oracle Inventory creates purchase requisitions for Buy items when the

item attribute Replenishment Source Type is set to *Supplier*. Oracle Inventory creates internal requisitions for internal sales orders for Buy items when the item attribute Replenishment Source Type is set to *Inventory*. For internal requisitions, Oracle Inventory uses the item attribute Source Organization to determine the organization from which the internal requisition sources the item. For *Repetitive Items* you optionally create requisitions or unreleased jobs. See: Min–Max Planning Report: page 15 – 78.

The following example shows you how Oracle Inventory performs min–max planning. Assume an item has the following quantity values and item attribute settings:

- Nettable quantity on hand = 25
- Open supply quantity = 50
- Open reserved sales order quantity = 90
- Inventory planning method = Min–max planning
- Min–max minimum quantity = 100
- Min–max maximum quantity = 500

If you run the Min–Max Planning report, and specify *No* to *Net Reserved Orders*, Oracle Inventory performs the following calculations:

- Total Available: 25 + 50 = 75
  - We assume that all the supply is within the supply cutoff date, for a supply total of 50.
  - Total available quantity is 75.
- Below min check: 75 < 100
  - The total available quantity is less than the min–max minimum quantity, so Oracle Inventory plans a new order.
- Max quantity less total available: 500 – 75 = 425
  - To bring the quantity available back to the min–max maximum, Oracle Inventory will plan an order for 425.

If you run the Min–Max Planning report, and specify *Yes* to *Net Reserved Orders*, Oracle Inventory performs the following calculations:

- Total Available: (25 + 50) – 90 = (–15)
  - We assume that all the supply is within the supply cutoff date, for a supply total of 50.
  - We assume that all the demand is within the demand cutoff date, so open reserved orders total to 90.

  - Total available quantity is (–15).

- Below min check: (–15) < 100
  - The total available quantity is less than the min–max minimum quantity, so Oracle Inventory plans a new order.
- Max quantity less total available: 500 – (–15) = 515
  - To bring the quantity available back to the min–max maximum, Oracle Inventory will plan an order for 515.

Note: To include inventory reservations from an external order management system in the min–max calculation, create the sales order in the MTL_SALES_ORDER table using the Sales Order API, and then load the reservation using the Create / Update / Delete reservation interface or the Reservation APIs.

Subinventory Level Min–Max Planning

When you min–max plan at the subinventory level, Oracle Inventory looks at inventory balances, purchase requisitions, internal requisitions, and move orders as supply. In addition, rather than using item attribute planning modifiers, Oracle Inventory uses values and parameters set at the item / subinventory level.

To perform min–max planning at the subinventory level, you establish the following values at the subinventory level using either the Subinventory Items or the Item Subinventories windows:

- Min–max minimum quantity
- Min–max maximum quantity
- Planning method set to Min–max planning
- Fixed lot multiple (optional)
- Maximum order quantity
- Minimum order quantity
- Item sourcing details
  - Sourcing type (supplier or inventory)
  - Sourcing organization (if type is inventory)
  - Sourcing subinventory (if type is subinventory or inventory) (optional for Inventory source type)
- Lead times (optional)

See Also

Assigning Subinventories to an Item: page 5 – 127

Assigning Items to a Subinventory: page 5 – 130

Min–Max Planning Report Calculations

Min–max planning is performed by running the Min–Max Planning report. By selecting the subinventory level planning and specifying a subinventory, you run min–max planning for a single subinventory only. In addition to the planning level option (organization or subinventory), Oracle Inventory offers the option to *Net Reserved Demand* and to *Net Unreserved Demand* when calculating availability. You also specify a *Demand Cutoff Date* and a *Supply Cutoff Date*. If you choose *No* to the *Net Demand* options, Inventory performs the following calculation:

- Quantity on Hand + On Order = Total Available, in which:
  - Quantity on Hand is the quantity in the subinventory you specified in the Min–Max Planning report.
  - On Order is the sum of open purchase orders, purchase requisitions, internal requisitions, internal sales orders, and subinventory transfer move orders scheduled for receipt to the specified subinventory on or before the supply cutoff date. Note that supply orders referencing a different subinventory, or with no subinventory specified, are not included.
- If Total Available < Minimum Quantity, suggest a new order, in which:
  - Minimum Quantity is the value for the Min–Max Minimum Quantity set at the item / subinventory level.
- Order Quantity = Maximum Quantity – Total Available, adjusted for item / subinventory order quantity modifiers:
  - Oracle Inventory revises the order quantity if necessary for the quantity to be a multiple of the fixed lot size multiplier.
  - The order quantity must be greater than or equal to the minimum quantity, or Oracle Inventory revises the quantity upward to the minimum.
  - The order quantity must be less than or equal to the maximum quantity, or Oracle Inventory revises the quantity down to the maximum.

If you choose *Yes* to the *Net Reserved Demand* and / or the *Net Unreserved Demand* option, Oracle Inventory performs the following calculation:

- Quantity on Hand + On Order – Open Demand = Total Available, where
  - Quantity on Hand is the quantity in the subinventory specified in the Min–Max Planning report.
  - On Order is the sum of open purchase orders, purchase requisitions, internal requisitions, internal sales orders, and subinventory transfer move orders scheduled for receipt to the specified subinventory on or before the supply cutoff date. Note that supply orders referencing a different subinventory, or with no subinventory specified, are not included.
  - Open Demand is the sum of inventory reservations (including reserved sales orders), account issue move orders, and subinventory transfer move orders scheduled to ship from this subinventory on or before the demand cutoff date. Note that inventory reservations referencing a different subinventory, or with no subinventory specified, are not included
- If Total Available < Minimum Quantity, suggest a new order, where:
  - Minimum Quantity is the value for the Min–Max Minimum Quantity specified at the item / subinventory level.
- Order Quantity = Maximum Quantity – Total Available, adjusted for order quantity modifiers specified at the item / subinventory level:
  - Oracle Inventory revises the order quantity if necessary for the quantity to be a multiple of the fixed lot size multiplier.
  - The order quantity must be greater than or equal to the minimum quantity, or Oracle Inventory revises the quantity upward to the minimum.
  - The order quantity must be less than or equal to the maximum quantity, or Oracle Inventory revises the quantity down to the maximum.

When you run the Min–max report, you can have Oracle Inventory create requisitions or move orders by answering *Yes* to *Restock*. You must also specify a location to serve as the deliver to location on the requisitions. Oracle Inventory creates purchase requisitions for items with the item / subinventory Sourcing Details Type set to *Supplier*,

Inventory creates internal requisitions for internal sales orders for items with the item / subinventory Sourcing Details Type set to *Inventory*. Oracle Inventory creates pre–approved move orders for items with the item / subinventory Sourcing Details Type set to *Subinventory*. For move orders, Inventory uses the item / subinventory Sourcing Details Subinventory to determine the subinventory from which the move order sources the item. For internal order requisitions, Inventory uses the item / subinventory Sourcing Details Organization to determine the organization from which the internal requisition sources the item. See: Requesting the Min–Max Planning Report: page 9 – 21.

The following example shows you how Oracle Inventory performs min–max planning. Assume an item has the following quantity values and item attribute settings:

- Quantity on hand for specified subinventory = 25
- Open supply quantity for specified subinventory = 50
- Open sales order quantity placed against specified subinventory= 90
- Inventory planning method at item / subinventory level = Min–max planning
- Min–max minimum quantity specified at the subinventory level = 100
- Min–max maximum quantity specified at the subinventory level = 500

If you run the min–max planning report, and specify *No* to the Net Demand options, Inventory performs the following calculations:

- Total Available: 25 + 50 = 75
  - The quantity on hand for the specified subinventory is 25.
  - We assume that all the supply is within the supply cutoff date, and is destined for our specified subinventory, for a supply total of 50.
  - Total available quantity is 75.
- Below min check: 75 < 100
  - The total available quantity is less than the min–max minimum quantity, so Oracle Inventory plans a new order.
- Max quantity less total available: 500 – 75 = 425
  - To bring the quantity available back to the min–max maximum, Oracle Inventory will plan an order for 425.

If you run the min–max planning report, and specify *Yes* to the Net Demand option, Oracle Inventory performs the following calculations:

- Total Available: (25 + 50) – 90 = (–15)
  - The quantity on hand for the specified subinventory is 25.
  - We assume that all the supply is within the supply cutoff date, and is destined for our specified subinventory, for a supply total of 50.
  - We assume that all the demand is within the demand cutoff date, and the sales orders are against our specified subinventory, so open sales orders total to 90.
  - Total available quantity is (–15)
- Below min check: (–15) < 100
  - The total available quantity is less than the min–max minimum quantity, so Oracle Inventory plans a new order.
- Max quantity less total available: 500 – (–15) = 515
  - To bring the quantity available back to the min–max maximum, Oracle Inventory will plan an order for 515.

Note: To include unreserved sales orders from an external order management system in the min–max planning calculation, modify the definition of MTL_DEMAND_OM_VIEW to include the sales order line table from the external system.

Note: To include inventory reservations from an external order management system in the min–max calculation, create the sales order in the MTL_SALES_ORDER table using the sales order API, and then load the reservation using the Create / Update / Delete reservation interface or the Reservation APIs.

See Also

Requesting the Min–Max Planning Report: page 9 – 21

Requesting the Min–Max Planning Report

To request a min–max planning report you define parameters for min–max planning calculation, choose the sorting criterion for the report, and choose whether to create internal requisitions.

The INV:Minmax Reorder Approval profile option governs the approval status of internal requisitions created by the Min–Max Planning Report. (Move Orders are automatically approved.) See: Oracle Inventory Profile Options: page 1 – 26.

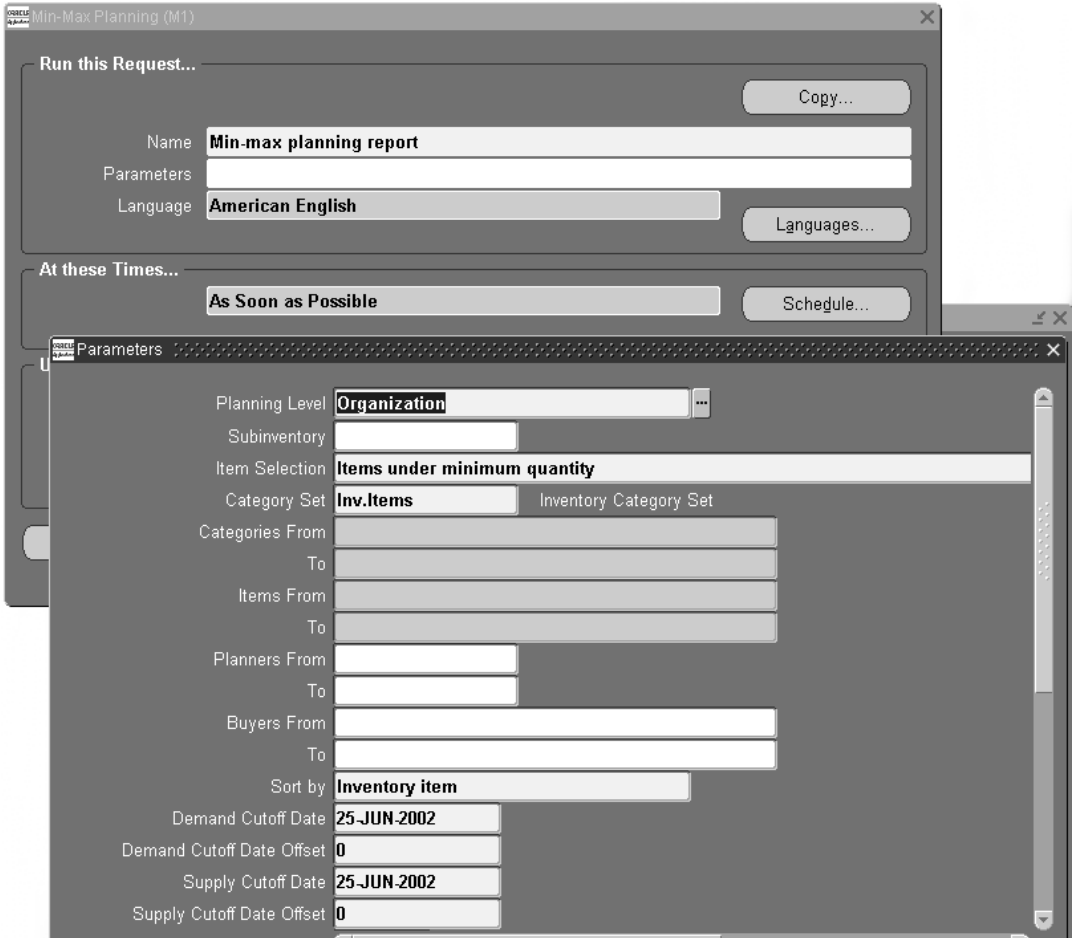
Use the Min–Max Planning Report to show planning information for all items, or items with on–hand balances either below or above their assigned minimum or maximum on–hand quantities. You also have the option to generate internal or purchase requisitions for Buy items and WIP unreleased jobs for Make items for all items for which the on–hand quantity plus the on–order quantity is less than the min–max minimum amount.

> **Note:** Use the Item / Subinventory Information and Subinventory / Item windows to specify subinventory level min–max planning details. See: Assigning Subinventories to an Item: page 5 – 127 and Assigning Items to a Subinventory: page 5 – 130.

You can define a default item source at the organization, subinventory, or item levels. Oracle Inventory uses the information from the lowest level to determine the source from which to requisition the item. The ascending hierarchy is: 1) Item in a subinventory, 2) Source in a subinventory, 3) Item in an organization, 4) Source in an organization.

▶ **To request the min–max planning report:**

1. Navigate to the Min–Max Planning window.



2. Enter Request in the Type field.
3. Enter *Min–max planning report* in the Name field.
4. Navigate to the Parameters field. The Parameters window appears.
5. Indicate whether the planning level is set for the entire organization or a specific subinventory. At the subinventory level, the report cannot generate jobs and does not consider WIP jobs as supply or WIP components as demand. If you select *Subinventory*, enter the name of the subinventory.
6. Indicate the type of item to include on the report. You can report on items under the minimum quantity, items over the maximum quantity, or all min–max planned items.

7. Enter the category set for the report.
8. You can optionally restrict the report to a range of categories, item, planners, or buyers.
9. Enter the sorting criterion for the report. You can choose to sort by inventory item, category, planner, or buyer. If you choose *Category*, enter the category set.
10. Enter the demand cutoff date and, optionally, the demand cutoff date offset. The report includes demand on or before this date. If you do not check *Net Demand* this calculation is for display purposes only.
11. Enter the supply cutoff date and, optionally the supply cutoff date offset. The calculation includes open supply orders on or before this date.
12. Enter *Yes* or *No* to indicate whether to restock. If you have set the Planning Level to *Organization*, the report generates requisitions or jobs according to the item's Make / Buy flag. If you have set the Planning Level to *Subinventory*, the report generates only requisitions.
13. If you are using the *Organization* Planning Level, choose one of the following For Repetitive Item options: *Create Requisitions* for items under minimum quantity, *Create Discrete Jobs* for items under minimum quantity or run the *Report Only* without creating jobs or requisitions.
14. Enter the default delivery location.
15. Indicate whether to net reserved and unreserved orders.
16. Indicate whether to Net WIP Demand in the available quantity calculation. Net demand is the unshipped sales quantity for the selected organization or subinventory. You cannot set this to Yes if you are using subinventory level planning.
17. Indicate whether to include PO, WIP, and Interface supply and non–nettable subinventories.
18. Choose one of the following Display Format options: *Display All Information, Don't Display Supply/Demand Details* (The report does not display the Minimum Order Quantity, Maximum Order Quantity, and Multiple Order Quantity columns.), or *Don't Display Order Constraints* (The report does not display the On Hand Quantity column).
19. Indicate whether to to Display Item Information.
20. Choose the Submit button to launch the report.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Min–Max Planning: page 9 – 12

Entering and Reloading Item Safety Stocks

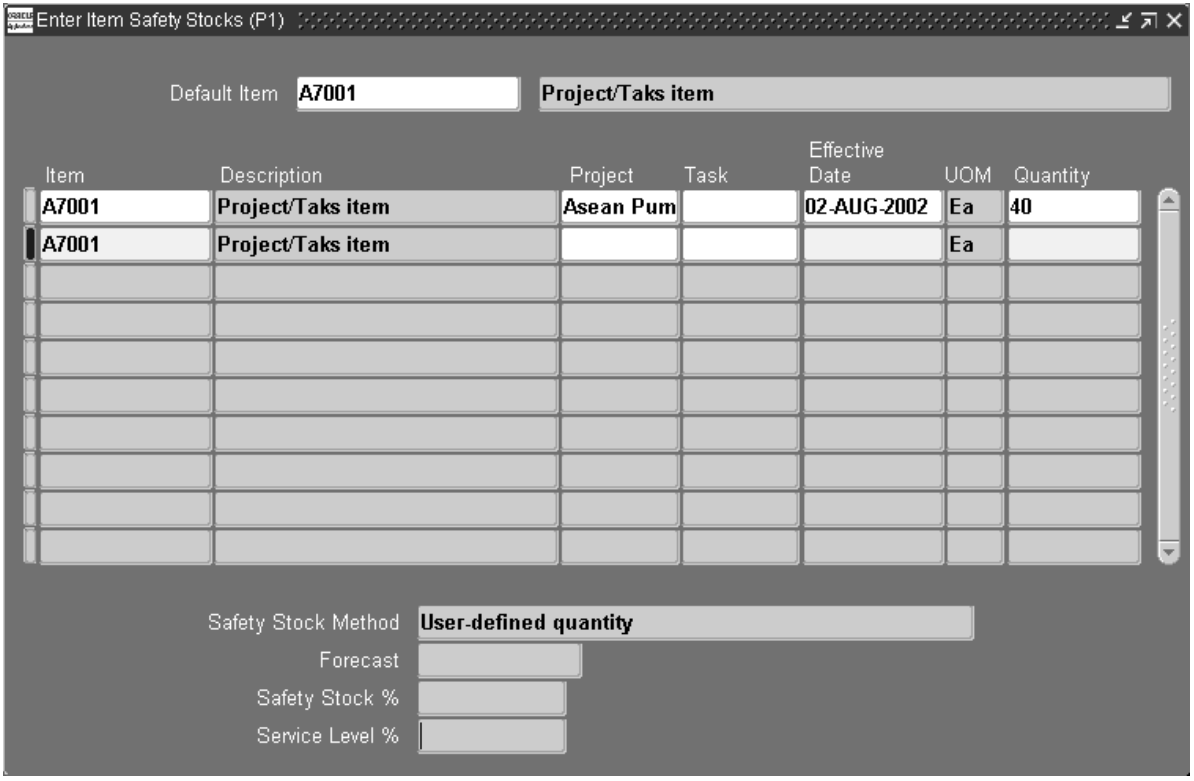
Oracle Inventory uses item safety stocks in the reorder point planning process. Safety stock is a floor or base level of inventory from which Oracle Inventory performs all planning. In other words, the item is planned as if the safety stock quantity for the period is the zero inventory balance of the item. This ensures that the safety stock quantity remains in inventory to cover any fluctuations in demand.

In businesses such as aerospace and defense manufacturing, or construction, it is normal to segrate supplies and demands by inventory ownership. Safety stock definition in such environments can be project specific.

You can enter your own safety stock quantities or let Oracle Inventory calculate them based on an existing forecast for the item.

▶ **To define your own safety stock quantities or modify quantities Oracle Inventory generated for you:**

1. Navigate to the Enter Item Safety Stocks window. The Find Item Safety Stocks window appears.
2. Choose New to display the Enter Item Safety Stocks window. The Safety Stock Method field displays *User–defined quantity.*



3. Enter the inventory item for safety stock specification. You can use the Find window to locate items by effective date, forecast, category set, and category.

   Optionally, you can enter a default item. This is useful if you are entering multiple safety stock values and effective dates for the same item. See: Defining a Project, *Oracle Project Manufacturing User's Guide*.

4. Enter the Project if applicable.

   You can enter a project only if the organization is classified as a project manufacturing organization. The list of projects includes only those that have been enabled in Project Parameters for that organization. See Defining a Project, *Oracle Project Manufacturing User's Guide*.

5. Enter the Task if applicable.

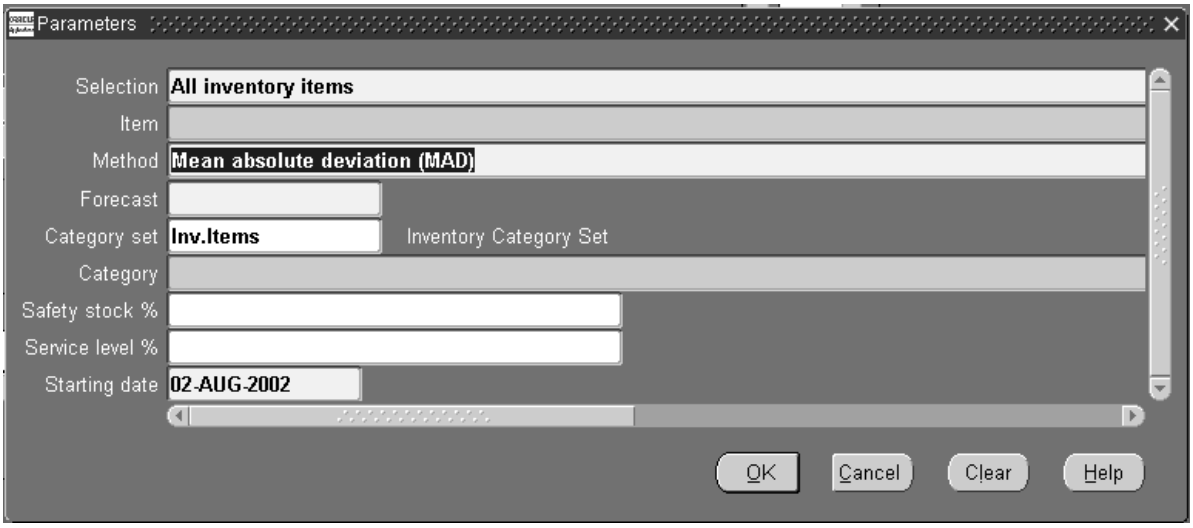
   If you want to maintain the safety stock at the task level, you must define the task and associate it with the project you selected in the

previous step. See Project Manufacturing Parameters, *Oracle Project Manufacturing User's Guide*.

6. Enter a safety stock effective date.
7. Enter the safety stock quantity.

▶ **To have Oracle Inventory calculate safety stock based on an existing forecast for the item:**

1. Navigate to the Safety Stock Update window or choose Reload from the Tools menu in the Enter Item Safety Stocks window.



2. The Parameters window opens automatically. In the Selection field determine whether to reload safety stock for all inventory items, a specific inventory item, or items in a specific category.
3. If you choose *Specific inventory item* in the Selection field, enter the item.
4. Select the method for loading the safety stock:

   Mean absolute deviation (MAD): Calculates demand using the mean–absolute deviation method. You must enter the service level percentage and forecast information.

   User–defined percentage: Calculates safety stock based on a user–defined percentage of a demand in specified forecast.
5. Enter the forecast to use in the safety stock calculation.

6. Optionally, enter the category set and category of items for safety stock specification.
7. If you chose *User–defined percentage* in the Method field, enter the safety stock percentage of demand.
8. If you chose *Mean absolute deviation (MAD)* in the Method field, enter the service level percentage. This is the desired level of customer service in satisfying the product demand immediately out of inventory. The higher this value is, the more safety stock quantity should be carried to provide protection against irregularities or uncertainties in the demand or the supply of an item.

   Enter a value between 50 and 100 as the service level. This represents the probability that you can fill an order from available inventory. A 90% service level means that on average you can fill an order immediately 90% of the time.
9. Enter the starting date on or after which the existing safety stock quantities are replaced by the results from the safety stock calculation.
10. When all parameter information is complete choose the Submit button to launch the process.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Reorder Point Planning: page 9 – 29

Searching for Information, *Oracle Applications User's Guide*

Reorder Point Planning

Reorder point planning uses demand forecasts to decide when to order a new quantity to avoid dipping into safety stock. Reorder point planning suggests a new order for an item when the available quantity—on–hand quantity plus planned receipts—drops below the item's safety stock level plus forecast demand for the item during its replenishment lead time. The suggested order quantity is an economic order quantity that minimizes the total cost of ordering and carrying inventory. Oracle Inventory can automatically generate requisitions to inform your purchasing department that a replenishment order is required to supply your organization.

$$\text{reorder point} = \text{safety stock} + \text{forecast demand during lead time}$$

Order lead time is the total of the item's processing, preprocessing, and postprocessing lead times.

If the forecast is correct and the order arrives on time, the inventory level should be right at the safety stock level at the time of receipt. In cases where the desired safety stock level changes during the order lead time, Oracle Inventory uses the largest safety stock quantity during the lead time.

When an order is triggered, the economic order quantity is the size of the triggered order. Economic order quantity (EOQ) is a fixed order quantity calculated to minimize the combined costs of acquiring and carrying inventory. The formula for EOQ is:

$$\text{EOQ} = \sqrt{[(2 \times \text{annual demand} \times \text{order cost})}$$
$$(\text{carrying cost percent} \times \text{unit cost})]$$

The EOQ increases as demand increases, since the cost of carrying a larger order is smaller because the inventory is not carried as long. EOQ also increases when the cost of preparing an order increases. This is to avoid making too many orders and thus incurring this cost more often than necessary. On the other hand, the more it costs to carry inventory, the smaller the EOQ since it costs more to carry the excess inventory.

Oracle Inventory calculates annual demand as the current demand rate annualized by multiplying the current period demand forecast by the number of periods per year (12 or 13).

Safety Stock Levels

Oracle Inventory can help calculate the safety stock levels required by reorder point planning by providing the following two methods:

- percentage of forecast demand
- mean absolute deviation

You can always enter your own safety stock quantities if you have your own method. Or, if you have Oracle Master Scheduling / MRP and Oracle Supply Chain Planning installed, you can use it to calculate your safety stocks levels. See: Entering and Reloading Item Safety Stocks: page 9 – 25.

Safety Stock as a Percentage of Forecast Demand

To calculate safety stock as a percentage of forecast demand, enter a forecast name and safety stock percent. Oracle Inventory calculates the safety stock quantity for each forecasting time bucket by multiplying the two. For instance, if the forecast demand for a particular period is 120 units and you specify a 10% safety stock buffer, the safety stock level is set at 120 $\times$ 10% = 12 units.

Safety Stock Using Mean Absolute Deviation and Service Level

If there is sufficient demand and forecast history available, you can use the mean absolute deviation method. This method compares the forecast to actual demand to determine forecast accuracy and, therefore, how much safety stock is required to prevent stock–outs. If the forecast has been very accurate in the past, only a small safety stock is required. The formula for safety stock using this method is:

$$\text{safety stock} = Z \times (1.25 \times \text{MAD})$$

MAD is the mean absolute deviation of the historic forecasts from the actual demand. *Z* is the number from the normal distribution probabilities corresponding to the service level specified by the user.

Planning Levels

You perform reorder point planning at the organization level. You place an item under reorder point planning by specifying the inventory planning method (located in the General Planning attribute group in the Items window) as *Reorder point planning* when you define the item. You can also specify the item's processing, preprocessing, and

postprocessing lead times, order cost, and carrying cost percent in this form. See: General Planning Attribute Group: page 5 – 72.

Likewise, item safety stock levels may only be made at the organization level. Oracle Inventory only calculates safety stock levels for non–MRP safety stock planned items. If you specified a safety stock percent when defining the item, this value is used as a default when calculating safety stock as a percentage of forecast demand. See: Entering and Reloading Item Safety Stocks: page 9 – 25.

Reorder Point Planning Report

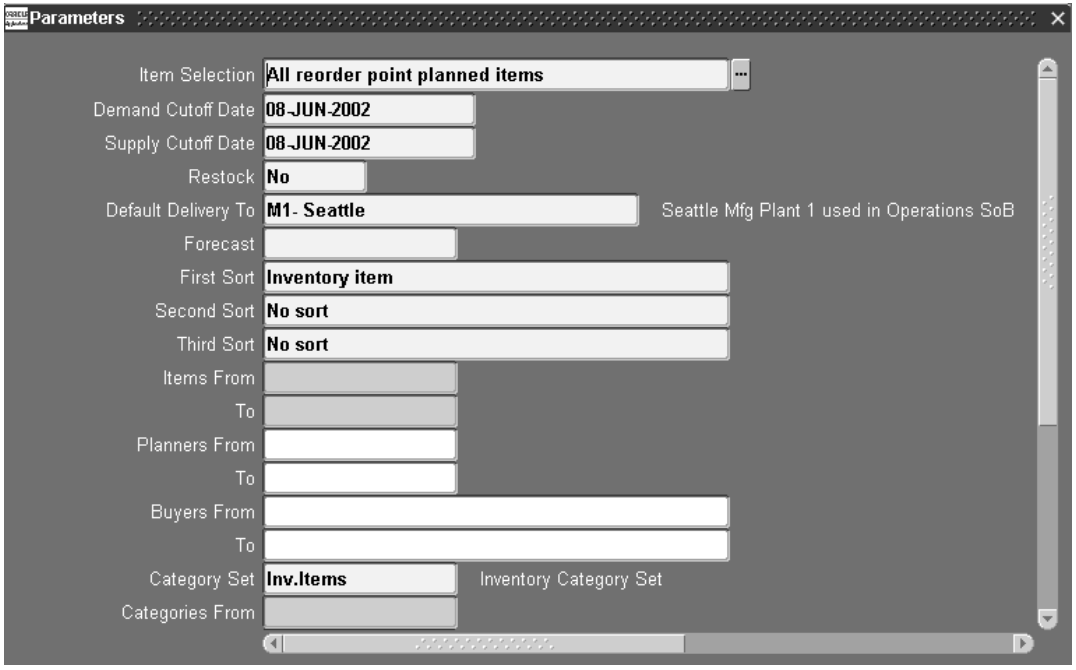
To run reorder point planning, use the Reorder Point Planning Report. One of the options when you run this report is to create requisitions. If you request this option, Oracle Inventory runs the report and places requisitions for items requiring replenishment. See: Requesting the Reorder Point Planning Report: page 9 – 31.

Requesting the Reorder Point Planning Report

To request a reorder point planning report you define selection parameters for the items to include on the report. Reorder point planning triggers a new order when the available quantity drops below the item's safety stock level plus forecast demand during lead time. When you run the reorder point planning report you can have Oracle Inventory create either internal or purchase requisitions for these orders, depending on the sourcing options.

▶ **To request the reorder point planning report:**

1. Navigate to the Reorder Point Planning window.



2. Enter *Reorder Point Report* in the Name field.

▶ **Enter report parameters:**

3. Indicate whether to report all items that are identified as reorder point planned or only items with on–hand balances and on–order balances that fall below their reorder point. Displaying all reorder point planned items (regardless of their balances) enables you to see where item balances are in relation to the specified order point.
4. Enter the demand cutoff date. The report includes demand on or before this date.
5. Enter the supply cutoff date. The calculation includes open supply orders with expected receipt dates on or before this date.
6. Enter **Yes** or **No** to indicate whether to restock. If you have set the Planning Level to **Organization**, the report generates requisitions or jobs according to the item's Make / Buy flag. If you have set the Planning Level to **Subinventory**, the report generates only requisitions.
7. Indicate the delivery location to appear on the requisition, if different then current organization, in the Default Delivery Location To field.

8. Enter the forecast designator. Oracle Inventory uses this forecast to determine the demand to be used in the reorder point calculation.
9. Enter the sorting criterion for the report. You can choose to sort by inventory item, category, planner, or buyer. If you choose *Category*, enter the category set from which Oracle Inventory chooses items for the report.
10. Indicate whether to prepare a full or partial report. If you choose Partial, specify the range of items, categories, planners, or buyers you want to include.
11. Click the OK button to launch the report.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Reorder Point Planning: page 9 – 29

Overview of Kanban Replenishment

Kanban is a means of supporting pull–based replenishment in manufacturing systems. A Kanban system is a self–regulating pull system that leads to shorter lead times and reduced inventory. Kanban systems are typically applied to items that have relatively constant demand and medium–to–high production volume.

Kanbans represent replenishment signals that are usually manual and highly visible, such as a color–coded card that moves with the material, a light that goes on when replenishment is required, or an empty bin that is moved to the supply location to trigger replenishment.

The system includes an API that can be called by external systems, such as bar code readers, to trigger replenishment signals.

Kanbans can be replenished from an external supplier or an internal organization. The four types of kanbans available in the system trigger transactions that pull material from different replenishment sources.

Inter Org	Creates internal requisitions
Intra Org	Triggers material movement from a subinventory in the same organization
Production	Creates or releases a production job (discrete job, repetitive schedule, or flow schedule)
Supplier	Creates a purchase requisition

Kanbans are generally replenishable and cycle through the system from full to empty, remaining active until they are withdrawn. One–time signals, called non–replenishable kanbans, are used primarily to manage sudden spikes in demand.

Major Features

Pull Sequences

A pull sequence is a group of information that defines a kanban location, source information, and planning parameters for an item. In order to replenish an item using kanbans, you must define a pull sequence for each item. An item can have multiple pull sequences that make up a replenishment chain. Pull sequences are used to calculate the number or quantity in each kanban container at that location. A kanban

location can be a subinventory or an inventory locator. The replenishment source for a kanban location can be another kanban location, a production line, or an external source (either another organization or an outside supplier).

You can define kanban pull sequences using inventory locators to represent kanban locations, compute kanban quantities by locator, and then track by subinventory in order to reduce the number of inventory transactions. See: Defining Kanban Pull Sequences: page 9 – 40

Pull Sequence Terms

Planning Only	Choose Planning Only if you want the program to perform the kanban calculations for you, but you will use a manual system to execute the kanbans. You will be able to calculate kanban sizes but will not be able to generate and print kanban cards or execute the replenishment cycle.
Kanban Size and Number of Kanban Cards	You will choose what you want the program to calculate: kanban size or kanban cards. The product of kanban size and number of kanban cards (or containers) will satisfy the demand at capacity for the planning horizon. Kanban size refers to the number of items in each kanban container. Each kanban container has one kanban card, so the number of kanban cards is the same as the number of kanbans for each item.

Enter Minimum Order Quantity (Optional)

Minimum Order Quantity represents the minimum number of units per kanban container. It is used when calculating kanban size or during the kanban execution process to aggregate kanbans smaller than the minimum order quantity. This field defaults from the Item Master window but can also be overridden.

Replenishment Lead Time

The Replenishment Lead Time must be expressed in days. This is how long it will take to physically replenish the kanban. For example, if you enter two days, the Kanban Planner will size the kanban to two times the average daily demand.
If you leave the field blank, the program will assume replenishment is one day when calculating kanban sizes.

Additional Information: Production kanbans use the replenishment lead time to calculate the size of the kanban but use the Lead Times on the Item Master window to determine when to schedule jobs created by replenishing the production kanban. This allows you to add lead time on the pull sequence of the production item for transportation, or desired ”queue time.”

Supplier and inter–org kanbans use the replenishment lead time to calculate the size of the kanban and to schedule the ”need date” for the purchase requisition. However, if you leave this field blank, the program will use one day to size the kanban and will use the lead time defined in the Item Master window for the ”need date” on the requisition. (Need date = sysdate + pre–processing + processing + post processing time if the replenishment lead time on the pull sequence is left blank.)

Allocation Percent (Optional)	The allocation percent represents the percent of independent demand for the kanban item that is to be supplied from this pull sequence.
Lot Multiplier (Optional)	When kanban planning sizes the containers at the location, it will size in multiples of this quantity. For example, if the supplier sells wire in a roll of 500 feet, then a multiplier of 500 would result in bin sizes of multiples of 500 feet. If demand called for 510 feet, the kanban planner would size the kanban for 1000 feet (500 + 500).
Safety Stock Days (Optional)	Safety Stock Days is the number of days demand that will be added to the kanban for safety stock. Kanban planning sizes kanbans to the average daily demand of the forecasted period.

Kanban Chain

For every kanban planned item, you can define a kanban chain, which is a series of pull sequences that model the replenishment network on the shop floor, for example, line stock to stores and stores to supplier.

Card Definition

Kanban cards are created for an item, subinventory, and locator (optional). They are uniquely identified by a kanban number. For cards generated from a kanban pull sequence, the number is automatically generated. For manually defined cards, both replenishable and non–replenishable, you can enter an unused kanban number or let the system create the number. See: Generating Kanban Cards: page 9 – 43 and Defining Kanban Cards: page 9 – 45.

Replenishable Cards

You can use the Generate Kanban Cards window to generate cards automatically from the following pull sequence information: item, kanban location, quantity, and source. You can also create these cards manually in the Kanban Cards window.

You cannot override the quantity for generated cards, but you can add additional cards or delete existing cards from the pull sequence to control the inventory in the replenishment chain. Function security is provided for this feature.

A supply source is defaulted from the source type of the pull sequence.

Non–Replenishable Cards

You can manually define non–replenishable cards by entering the item, location, supply source, and quantity in the Kanban Cards window. Non–replenishable cards do not have to be associated with a pull sequence.

Source Type

You can create kanban cards with the following source types:

Inter Org	Replenished by another organization
Intra Org	Replenished from another subinventory in the same organization
Production	Replenished by a production line
Supplier	Replenished by an external supplier

Card Status

Kanban cards are generated with a default Card Status of Active. When you define a card manually, you can initially give it either Active or Hold status.

If the Supply Status is Full, you can temporarily pull a card out of the replenishment chain by changing the Card Status to Hold. You can later change the status back to Active.

You can terminate use of a card by changing the Card Status to Canceled, but you cannot reverse this change. Only Canceled cards can be deleted.

Supply Status

All the following Supply Status codes can be set either manually or automatically.

New	The kanban has just been created and is not yet part of the replenishment chain.
Empty	The kanban is empty and a replenishment signal has been generated (available only for Inter Org and Supplier source types).
Full	The kanban has been replenished.
Wait	The kanban is waiting until the minimum order quantity has been met by the aggregation of cards.
In–Process	For the Supplier source type, the purchase order has been approved. For the Inter Org source type, the internal requisition has been approved.

All cards are generated with a status of New. You can switch this status to Empty to trigger a kanban replenishment signal. During initial setup, you can switch the status to Full if you are starting out with a full bin. When you are defining a card manually, you can create a card with a status of Empty, Full, or New.

Card Printing

You can print Kanban cards for a replenishment plan or a replenishment chain when you generate the cards. You can also print cards individually if the card information is complete.

You can print duplicate cards only if the original is lost or voided. You are given a warning message before you can print duplicates.

See Also

Overview of Item Setup and Control: page 4 – 2.

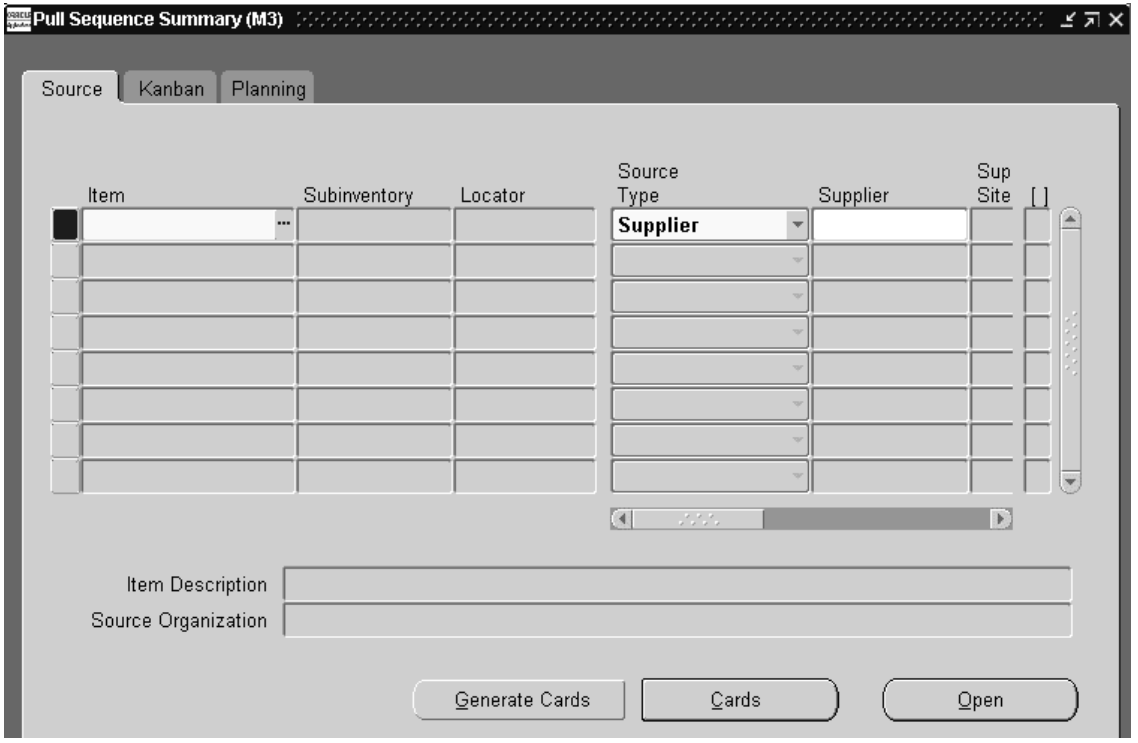
Overview of Items: page 5 – 2

Defining Kanban Pull Sequences

Use the Pull Sequences window to view, update, and define the source of replenishment for a kanban planned item in a kanban location.

▶ **To define pull sequences:**

1. Navigate to the Pull Sequence Summary window. The Find Pull Sequences window appears.
2. Select New to open a new line.



3. Select the item and the subinventory. If the subinventory or item is under locator control, you must also enter a stock locator.

   Note: If the subinventory and item is not locator controlled, entering a locator will allow you to specify a specific location (row, rack, bin) for organizing purposes without forcing you to transact at the locator level.

   Attention: The subinventory and locator on the first pull sequence in your replenishment chain must equal the

subinventory and locator on either the material control region of all bills of material using this kanban location or the WIP supply location on the Organization Item Master. If these values do not match exactly, kanban planning for the item will fail.

4. In the Source tabbed region, select the source type: Inter Org, Intra Org, Production, or Supplier.

   For the Inter Org source type, you must select the source organization and the subinventory. If the organization, subinventory, or item is under locator control, you must also enter a stock locator.

   For the Intra Org source type, you must select the source subinventory. You can optionally enter a source stock locator.

   For the Production source type, you can optionally enter the line code.

   For the Supplier source type, you can optionally select the supplier and supplier site. If you do not select a supplier, Oracle Purchasing will choose the supplier based on sourcing rules when it creates a purchase order/blanket release.

5. In the Kanban tabbed region, select the calculate method and enter the parameters as follows:

   If you select *Do Not Calculate*: Enter a value in the Size and Number of Cards fields.

   If you select *Kanban Size*: Enter a value in the Number of Cards field and optionally enter a value in the Minimum Order Qty field.

   If you select *Number of Cards*: Enter a value in the Size field, and optionally enter a value in the Minimum Order Qty field.

   The minimum order quantity is defaulted from the item, but you can override this default.

6. In the Planning tabbed region, enter the lead time for this location, and optionally enter allocation percent, lot multiplier, and number of safety stock days.

7. Save your work.

   Note: Pull sequences cannot be used with Model/Unit Number effective controlled items. Model/Unit items are used in a project manufacturing environment, while pull sequences are normally used in flow manufacturing environments. See: Bills of Material Attribute Group: page 5 – 51

▶ **To view pull sequences:**

1. Navigate to the Find Pull Sequences window by selecting Pull Sequences from the menu.
2. Enter selection criteria. You can restrict the search by item, subinventory, locator range, source type, supplier, supplier site, source organization, source subinventory, source locator, and line code.
3. Select the Find button to display the search result in the Pull Sequence Summary window.

▶ **To update pull sequences:**

1. In the Pull Sequence Summary window, you can update the following fields:

   In the Source tabbed region: Source Type.

   For the Inter Org source type: Org, Subinventory, and Locator.

   For the Intra Org source type: Subinventory and Locator.

   For the Production source type: Line Code.

   For the Supplier source type: Supplier and Supplier Site.

   In the Kanban tabbed region: all fields.

   In the Planning tabbed region: all fields.
2. Save your work.

▶ **To open the details window**

- To make entering and viewing information easier, you can select the Open button in the Pull Sequences Summary window to open the Pull Sequences window for the current line. In this window, you can enter any of the information in the tabbed regions of the summary window.

▶ **To calculate kanban size:**

- See: Calculation Formula, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*.

▶ **To view or define kanban cards for a selected pull sequence:**

- Select the pull sequence and then select Cards to open the Kanban Cards Summary window. See: Defining Kanban Cards: page 9 – 45.

▶ **To generate kanban cards automatically for a selected pull sequence:**

- Select the Generate Cards button to automatically generate kanban cards for the selected line.

See Also

Defining Items: page 5 – 6

Overview of Kanban Planning, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*

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Generating Kanban Cards

Use the Generate Kanban Cards process to automatically generate kanban cards. You can generate cards for individual pull sequences in the Pull Sequences Summary and Pull Sequences windows. See: Defining Kanban Pull Sequences: page 9 – 40.

▶ **To generate kanban cards:**

1. Select Generate Kanban Cards from the menu to display the Parameters window.
2. To restrict the cards to a range of items, select the beginning and ending items.
3. Select a subinventory to restrict the cards to a specific subinventory.
4. To restrict the cards to a range of locators, enter the beginning and ending locators.
5. Select a source type to restrict the cards to a specific type.
6. Select a supplier to restrict the cards to a specific supplier. If you select a supplier, you can also select a supplier site.
7. Select a source organization to restrict the cards to a specific organization. If you select a source organization, you can also

select a source subinventory. If you select a source subinventory, you can also select a source location.

8. Select the initial status that you want for the created cards: New, Full, or Wait.
9. Select Yes or No to indicate whether you want the cards to be created and printed in one step.
10. Select the OK button to complete parameter selection.
11. Select the Submit Request button in the Generate Kanban Cards window.
12. For Pull Sequences with a Source Type of Supplier, set the List Price for the item to automatically generate requisitions.

See Also

Submitting a Request, *Oracle Applications User's Guide*

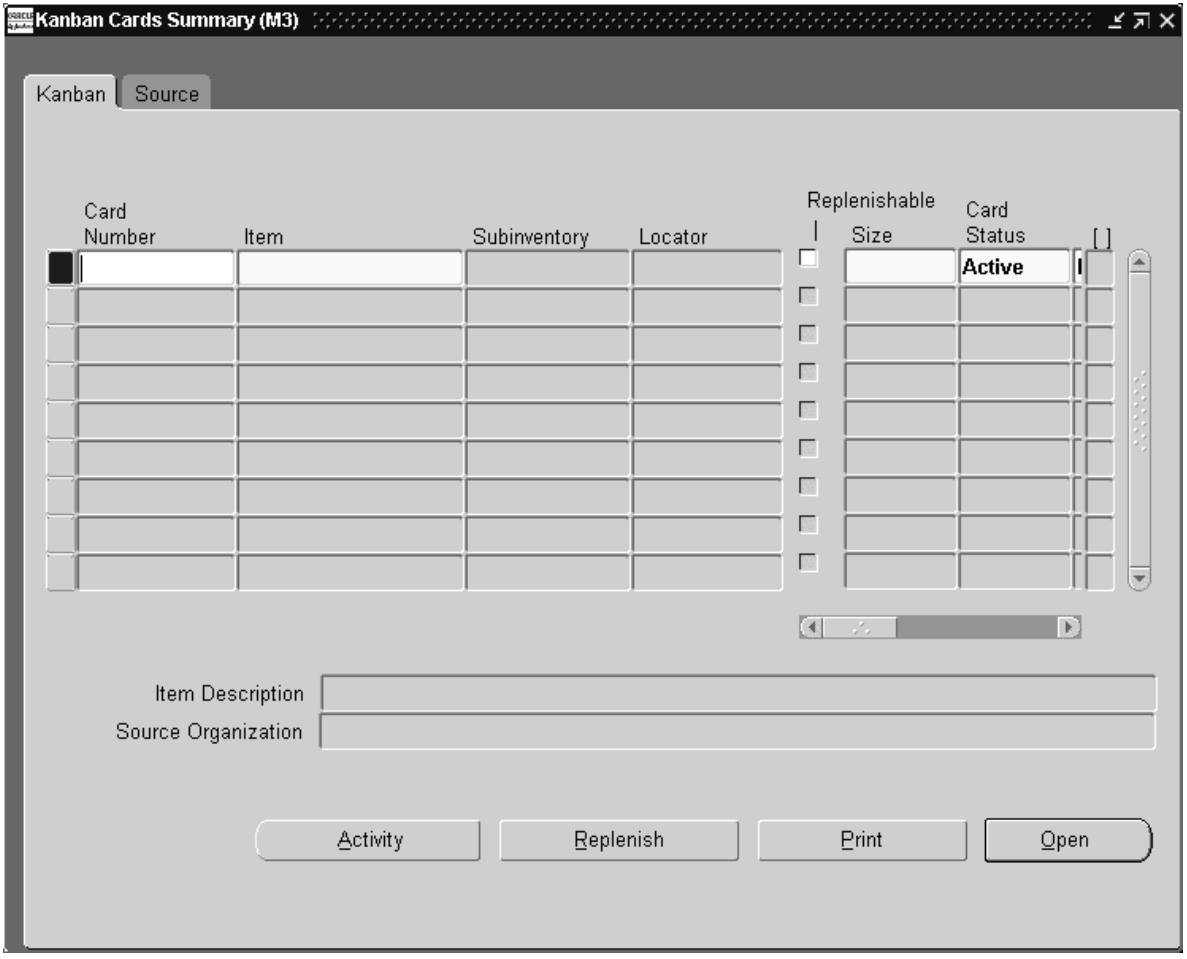
Defining Kanban Cards

Use the Kanban Cards Summary window to view, define, and update kanban cards. You can also automatically generate kanban cards with the Generate Kanban Cards process. See: Generating Kanban Cards: page 9 – 43.

▶ **To define kanban cards:**

1. Navigate to the Kanban Cards Summary window by selecting the Cards button in the Pull Sequence Summary or Pull Sequences window. You can also navigate to the Kanban Cards Summary window by selecting the New button in the Find Kanban Cards window.

1. Optionally, enter a card number. Otherwise, a number will be generated when you save your work.



2. Select the item number.
3. Select the subinventory and optionally the locator.
4. In the Kanban tabbed region, check Replenishable if you want to define a replenishable card.
5. In the Size field, enter the quantity of items in each kanban.
6. Select the card status: Hold or Active
7. Select the supply status: Empty, Full, or New. If you create a card with a card status of Hold, you cannot select a supply status of Empty.
8. In the Source tabbed region, select the source type: Supplier or Inter Org

For the Supplier source type, you can select a supplier and supplier site.

For the Inter Org source type, you can select the organization, subinventory, and locator.

For the Intra Org source type, you can select the subinventory and locator.

For the Production source type, you can select the line code.

9. Save your work.

▶ **To view kanban cards:**

1. Navigate to the Find Kanban Cards window by selecting Kanban Cards from the menu.
2. Enter selection criteria. You can restrict the search by card number range, item, subinventory, locator, source type, supplier, supplier site, source organization, source subinventory, source locator, and line code.
3. Select the Find button to display the search results in the Kanban Cards Summary window.

▶ **To update kanban cards:**

1. In the Kanban Cards Summary window, you can update the following fields:

   In the Kanban tabbed region: Card Status and Supply Status.

   In the Source tabbed region: all fields.

2. Save your work.

▶ **To open the details window**

- To make viewing and entering information easier, you can select the Open button in the Kanban Cards Summary window to open the Kanban Cards window for the current line. In this window, you can enter any of the information in the tabbed regions of the summary window.

▶ **To display kanban card activity:**

- Select the Activity button to open the Card Activity window for the selected kanban card. For each replenishment cycle, this window displays a variety of activity information.

▶ **To print kanban cards:**

- Select the Print button to send a print request to the concurrent manager for cards for the selected line.

See Also

Defining Items: page 5 – 6

Printing Kanban Cards

Use the Print Kanban Cards process to batch print kanban cards with card status Active and Hold. You can print cards individually in the Kanban Cards window. See: Defining Kanban Cards: page 9 – 45.

▶ **To print kanban cards:**

1. Select Print Kanban Cards from the menu to display the Parameters window.
2. To restrict the cards to a range of creation dates, enter the beginning and ending dates.
3. To restrict the cards to a range of card numbers, enter the beginning and ending numbers.
4. To restrict the cards to a range of items, select the beginning and ending items.
5. Select a subinventory to restrict the cards to a specific subinventory.
6. To restrict the cards to a range of locators, enter the beginning and ending locators.
7. Select a source type to restrict the cards to a specific type.
8. Select a card type to restrict the cards to replenishable or non–replenishable.
9. Select a source organization to restrict the cards to a specific organization. If you select a source organization, you can also select a source subinventory. If you select a source subinventory, you can also select a source location.
10. Select the sorting criteria. You can sort by:

    Kanban Card Number

Subinventory

Subinventory and then Locator

Supplier and then Supplier Site

Source Organization and then Source Subinventory and then Source Locator.

11. Select the OK button to complete parameter selection.
12. Select the Submit Request button in the Print Kanban Cards window.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Replenishing Kanban Cards

When a kanban is empty, you can replenish it systematically. This will change the card status to empty and will trigger the necessary transactions to refill the kanban.

Prerequisites

- ❑ Generate kanban cards, with card status as *Active* and supply status as *Full*. See: Generating Kanban Cards: page 9 – 43.

▶ **To replenish kanban cards:**

1. Navigate to the Kanban Cards Summary window. The Find Kanban Cards window appears.
2. Enter search criteria and choose Find to locate the kanban card you want to replenish.
3. Choose Replenish.

▶ **To replenish kanban cards using a bar code reader or RF terminal:**

- ■ See: Support of External Devices To Trigger Replenishment / Fill Kanbans, *Flow Manufacturing Implementation Manual*.

Replenishment Counting

Oracle Inventory provides additional methods for planning and replenishing inventories. Even if you are not maintaining perpetual on–hand balances—in non–tracked subinventories, for example—you can use the replenishment counting system to plan your inventories. This may be ideal for replenishing free stock items that you store on the production floor, or office supplies kept in departmental cabinets. Oracle Inventory even provides an open interface for loading replenishment count data collected electronically, such as with a hand held bar code reader.

Replenishment Counting Tracked Subinventories

In some situations, you may want to do your own planning and use Oracle Inventory to create your internal requisitions. When using the replenishment system in this manner, you provide the system with one of the following pieces of information (in addition to the item and subinventory):

- Order quantity. You specify the quantity that is to be ordered.
- Order maximum quantity. Oracle Inventory orders the min–max maximum quantity.

You can enter this information in the Replenishment Counts window or through an external interface, using the replenishment interface tables. See: Entering and Processing Replenishment Counts: page 9 – 53.

Replenishment Counting Non–Tracked Subinventories

Planning and replenishment of non–quantity–tracked subinventories is different because Oracle Inventory cannot use perpetual system quantities. As you issue items from a subinventory without formal issuing procedures, it is necessary to take inventory of non–tracked subinventories to record item usage and determine reorder necessity.

In order to determine when and how much to replenish, you periodically physically count the items in non–tracked subinventories. You enter the count details either through the Replenishment Counts window, or via a batch load transaction such as a bar code reader. Oracle Inventory permits on–hand quantity as an additional replenishment information type for non–tracked subinventories. If an on–hand quantity is entered, Oracle Inventory uses min–max planning to determine whether an order should be placed.

Processing Replenishment Counts

To process the replenishment counts and create requisitions for items that need to be ordered or move orders for items to be replenished from a subinventory, you run the Process Replenishment Counts program. See: Entering and Processing Replenishment Counts: page 9 – 53.

Planning Levels

You can only use the replenishment counting system at the subinventory level. To use replenishment counting, you must set up item–subinventory relationships using the Item Subinventories or Subinventory Items windows.

External Interface

Oracle Inventory provides an external interface for loading replenishment count data collected electronically, such as by a bar code reader. Once you have populated the replenishment interface tables, you can run the Validate Replenishment Interface program to validate the counts and put the information into the appropriate tables.

See Also

Entering and Processing Replenishment Counts: page 9 – 53

Sources of Replenishment

Oracle Inventory automatically generates external requisitions, internal requisitions, or move orders to replenish inventory levels using the orders suggested by min–max planning, reorder point planning, kanban planning, and replenishment counting. You determine the replenishment source by defining item sourcing rules at the item–subinventory, subinventory, item, or organization levels.

External requisitions request stock from an outside supplier. Internal requisitions request stock from another inventory organization. Move orders request stock from another subinventory within the same organization.

All items, subinventories, and organizations can have item sourcing information specified for them. At each level, you can choose whether items are replenished from another inventory organization or subinventory, or purchased from a supplier. In case of a conflict between the levels, Oracle Inventory uses the following order of precedence:

- Sourcing information specified in the item–subinventory relationship
- Sourcing information specified in the subinventory definition
- Sourcing information specified in the item definition
- Sourcing information specified in the organization parameters

If you specify an item to be replenished from inventory, you must specify a source organization (source subinventory is optional). When an order is placed for this item, Oracle Inventory creates an internal requisition for the item from the source location. This is true when using organization or subinventory level min–max planning, replenishment counting, reorder point planning, and kanban planning.

If the item source is a supplier, Oracle Inventory creates a purchase requisition to order the items from an outside supplier when reorder is necessary. This is true when using organization or subinventory level min–max planning, replenishment counting, reorder point planning, and kanban planning.

If an item source is subinventory, Oracle Inventory creates a pre–approved replenishment move order to replenish supply when reorder is necessary. This is true when using subinventory level min–max planning, replenishment counting, and kanban planning. An item source of subinventory should only be used with subinventory level inventory replenishment.

Entering and Processing Replenishment Counts

You can enter counts to replenish subinventories. After entering the counts you can:

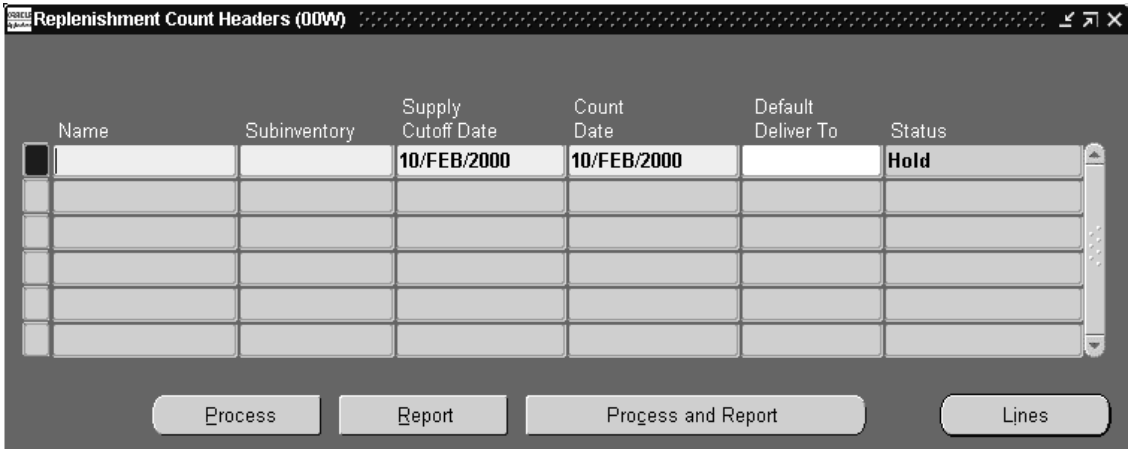
- run the replenishment processor
- launch the Item Replenishment Count Report
- save the counts for future processing

You specify how the subinventories are replenished by determining how requisitions are generated.

▶ **To enter replenishment count header information:**

1. Navigate to the Replenishment Count Headers window. The Find Replenishment Count Headers window appears.
2. Choose New to display the Replenishment Count Headers window.

   To display existing count headers, enter search criteria and choose Find.



3. Enter a unique name for the replenishment count.
4. Enter the subinventory to replenish.
5. Enter the supply cutoff date.

   Oracle Inventory may need on–hand quantity and supply information to verify whether to create replenishment requests. The replenishment count process considers only purchase orders

and internal requisitions with receipt dates earlier than or equal to the supply cutoff date.

6. Enter the count date.
7. Optionally, enter a default delivery location to include on the requisition created by the replenishment processor.

▶ **To enter replenishment options and counts:**

1. Choose the Lines button. The Replenishment Count Lines window appears.
2. Select a default count type for how subinventories are replenished.

   On–Hand Quantity: Use the quantity you enter as on–hand quantity to perform min–max comparison, calculate reorder quantity, and generate requisitions. This option does not display for tracked subinventories.

   Order Maximum: Generate a replenishment requisition to automatically order the min–max maximum quantity as defined by the min–max planning information specific to that item and subinventory. You cannot enter a value in the Quantity field if you choose this option.

   Order Quantity: Generate a replenishment requisition to order the quantity that you enter.
3. Determine whether to default all items for processing. If you do not default all items you can choose specific items to include for processing. To default all items choose the Default Items button.
4. Enter the item to be counted.
5. Optionally, select a count type different from the one you selected as the default count type.
6. Enter the unit of measure of the item. You cannot enter a value in this field if you chose *Order Maximum* as the count type.
7. Enter the count quantity if you chose *On–Hand Quantity* for the count type, or enter the order quantity if you chose *Order Quantity* as the count type. You cannot enter a value in this field if you chose *Order Maximum* as the count type.
8. Optionally, enter a reference note.

▶ **To process and/or report the count information:**

1. Return to the Replenishment Count Headers window.

2. Choose an activity:

   Save: You can save your changes but not run the replenishment processor. You can run the processor later.

   Process: Choose the Process button to run the replenishment processor. After processing all the counts, the replenishment processor creates requisition information and saves it for reporting.

   Report: Choose the Report button to run the Item Replenishment Count Report.

   Process and Report: Choose the Process and Report button to run the replenishment processor. After processing all the counts, the replenishment processor creates requisition information and immediately runs the Item Replenishment Count Report.

▶ **To process count information you saved for future processing:**

1. Navigate to the Process Replenishment Counts window. The Parameters window appears.
2. Select either a concurrent or background processing mode.
3. Enter the name of the replenishment count to process.
4. Choose Submit.

See Also

Replenishment Counting: page 9 – 50

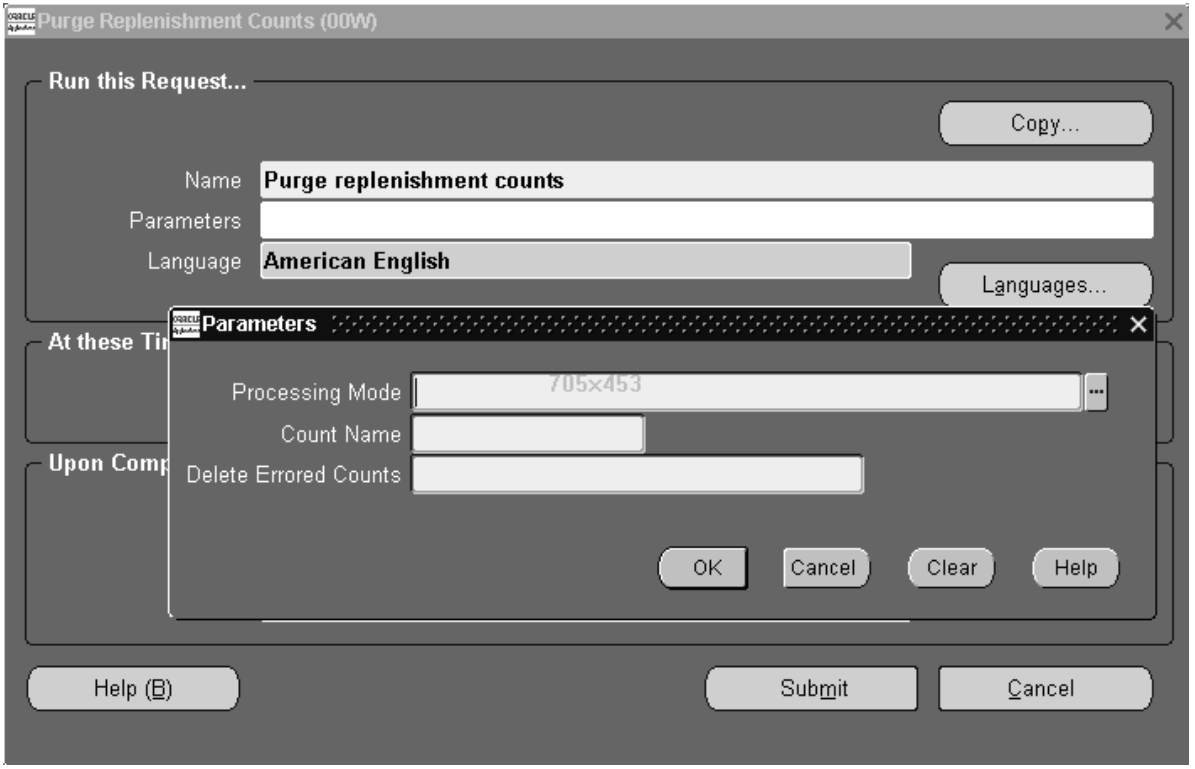
Sources of Replenishment: page 9 – 51

Purging Replenishment Counts

You can purge replenishment information including the count name, counting methods, and quantities.

▶ **To purge replenishment count information:**

1. Navigate to the Purge Replenishment Count window.



2. Enter *Purge replenishment count* in the Name field. The Parameters window appears.
3. Enter the count name to be purged.
4. Indicate whether to purge counts processed using a particular processing mode:

   Concurrent processing: Purge count names processed by the concurrent processor.

   Background processing: Purge all count names processed by background processing.

5. Indicate whether you want to purge a count name even if an error occurred in the count. *No* indicates that you want to purge only count names that processed successfully without errors.
6. Choose Submit to launch the process.

See Also

Replenishment Counting: page 9 – 50

Submitting a Request, *Oracle Applications User's Guide*

CHAPTER

10 Cost Control and Accounting

Overview of Accounting Close Cycle

Oracle Inventory provides the features you need to summarize costs related to inventory and manufacturing activities for a given accounting period and distribute those costs to the general ledger. You should be able to:

- View, open, update, and close accounting periods. See: Maintaining Accounting Periods: page 10 – 7.
- Transfer summary or detail inventory / work in process activity for a given period to the general ledger. See: Transferring Transactions to the General Ledger: page 10 – 3.
- View transfer history information, delete errored transfers, and stop transfers in progress. See: Viewing General Ledger Transfer History: page 10 – 5.

See Also

Overview of Cost Management, *Oracle Cost Management User's Guide*

Transferring Transactions to the General Ledger

You can transfer a summarized inventory / work in process activity for a given period into the general ledger interface. Using Journal Import in Oracle General Ledger, you can then post this information to the general ledger.

You can perform the general ledger transfer at any time during an open period—not just at period close. The transfer loads summary or detail accounting activity for any open period into the general ledger interface, including both inventory and work in process entries. When more than one period is open, the transfer selects transactions from the first open period up to the entered transfer date, and passes the correct accounting date and financial information into the general ledger interface.

When transferring detail entries, the accounting date in the GL_interface table is populated with the period end date of the accounting period. When you transfer summary entries with two periods open, and you enter a transfer date in the second period, the transfer process assigns the period one end date for all the summarized transactions in period one, and assigns the entered transfer date for the summarized transactions in period two.

Using Journal Import and Post Journals processes in Oracle General Ledger, you can then post this information to the general ledger.

Interim transfers allow you to reconcile and transfer information weekly, for example, making the month–end period close process much simpler and faster.

> **Note:** If time permits, run the general ledger transfer process up to the period end date *before* closing the period. Since you cannot reopen a closed period, running this process before period close allows you to proof the summary transactions and make adjustments to the period via new inventory transactions as necessary. This makes the month–end period close process much simpler and faster. See: Maintaining Accounting Periods: page 10 – 7.

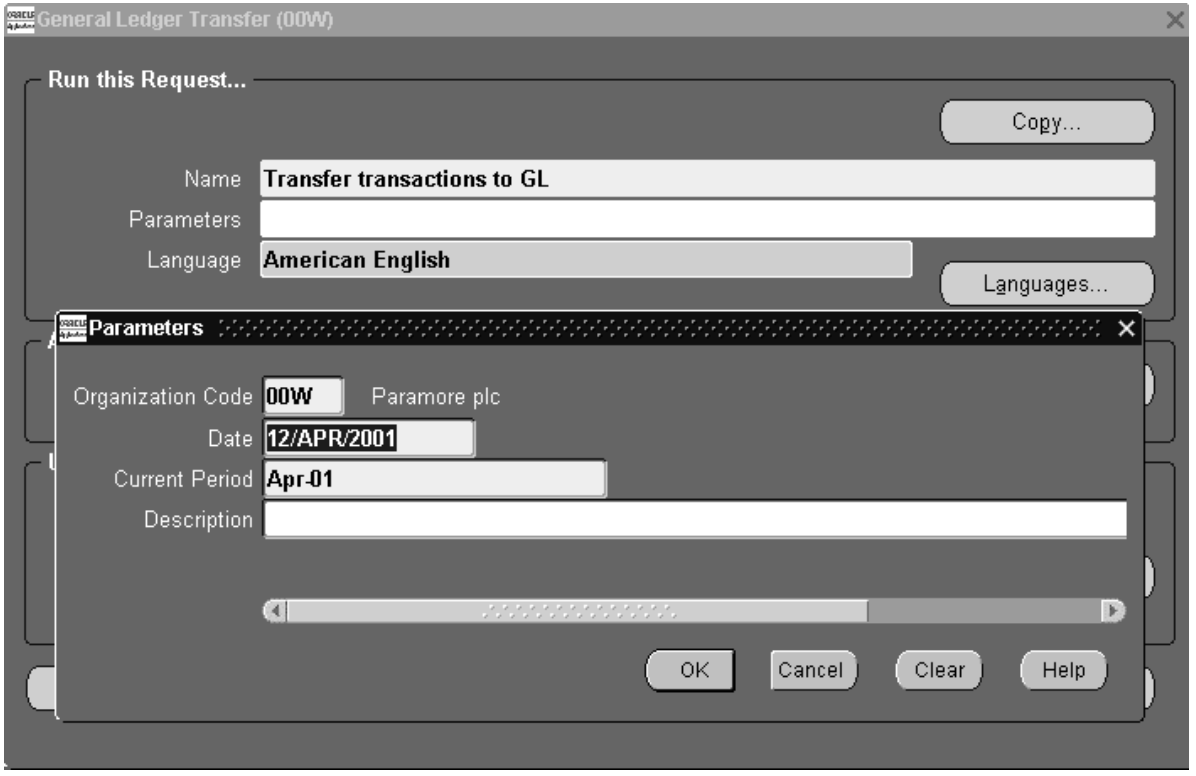
Prerequisites

- ❑ You must open at least one accounting period. See: Maintaining Accounting Periods: page 10 – 7.

▶ **To transfer transactions to the general ledger:**

1. Navigate to the General Ledger Transfer window.

You can also use the All Reports window and enter *Transfer transactions to GL* in the Name field.



2. In the Parameters window enter the following information:
   - Enter the date up to which you want to transfer transactions to the general ledger.
   - Optionally, enter text describing the transfer.
   - Oracle Inventory displays the name of the accounting period that contains the date of the transfer.
3. Choose the Submit button.

See Also

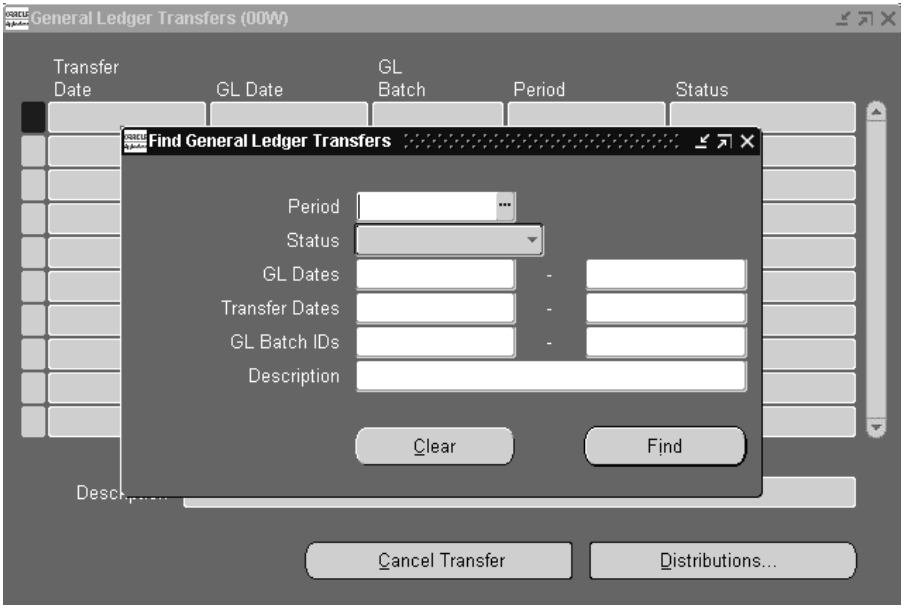
Submitting a Request, *Oracle Applications User's Guide*

Overview of Accounting Close Cycle: page 10 – 2

Viewing General Ledger Transfer History

▶ **To view general ledger transfer history:**

1. Navigate to the General Ledger Transfers window.



2. Review the following transaction information displayed in descending date order:

   Transfer Date: Displays the date that you performed the transfer to the general ledger.

   GL Date: Displays the period end date that corresponds to the transfer.

   GL Batch: Displays the batch number corresponding to the transfer. You can view the batch number in the View Transaction Distributions window or you can run Oracle Inventory and Oracle Work in Process distribution reports using this batch number. In addition, Oracle Inventory transfers this batch number to Oracle General Ledger.

   Period: Displays the name of the accounting period.

Status: Displays one of the following statuses:

- *Completed*: Transfer completed successfully.
- *Error*: Transfer failed. Oracle Inventory rolled back all changes.
- *Processing*: Transfer is processing. You cannot submit another transfer in your organization while you already have a process running.

▶ **To delete an errored transfer:**

1. Select a transfer with the status *Error*.
2. Delete the record.

▶ **To stop a transfer with the status *Processing*:**

1. Select a transfer with the status *Processing*.
2. Choose the Cancel Transfer button.

   When you delete a transfer, the status of the transfer changes from *Processing* to *Error*.

▶ **To view transaction distributions:**

1. Select a transfer.
2. Choose the Distributions button. See: Viewing Material Transaction Distributions, *Oracle Cost Management User's Guide* or WIP Account Distribution Report, *Oracle Work in Process User's Guide*.

See Also

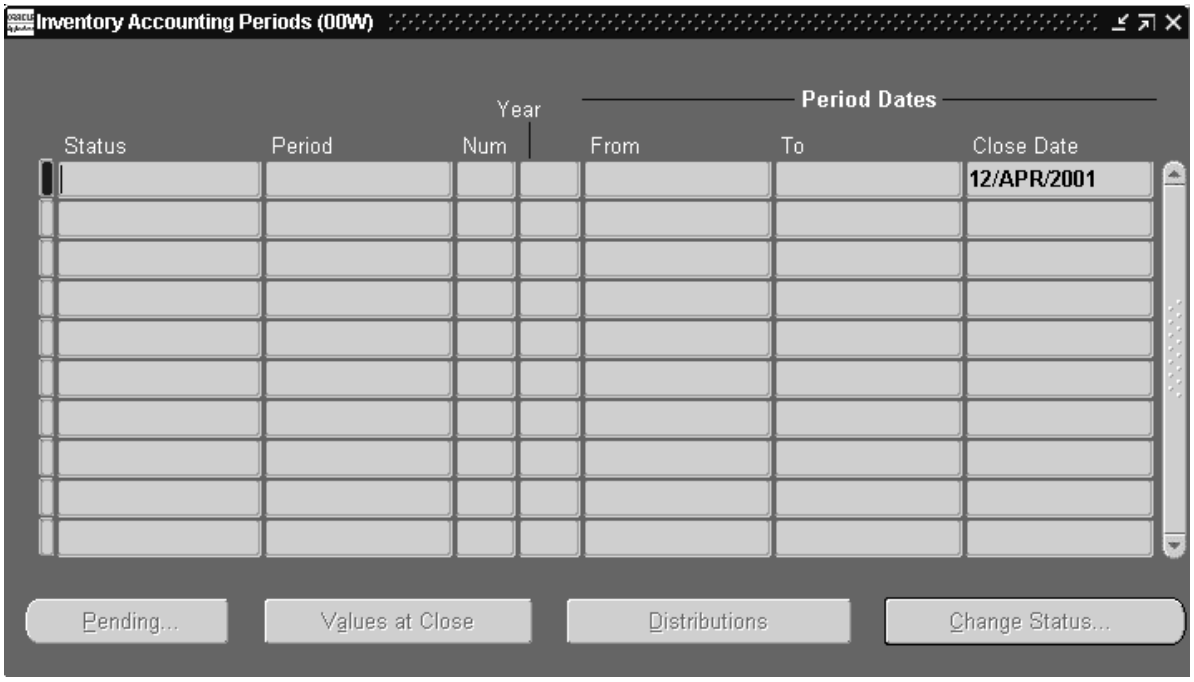
Overview of Accounting Close Cycle: page 10 – 2

Maintaining Accounting Periods

Oracle Inventory uses accounting periods to group material and work in process transactions for accounting purposes.

▶ **To view accounting periods:**

1. Navigate to the Inventory Accounting Periods window.



2. Review the following information:

   Status: Displays status of an accounting period as Future, Open, Closed, Processing, or Error.

   Period: Displays the name of the period.

   Num: Displays the number indicating the order of the period within the calendar year.

   Year: Displays the calendar year containing the accounting period.

   From: Displays the beginning date of the period.

   To: Displays the ending date of the period.

   Close Date: Displays the date on which you closed the period.

▶ **To view transaction distributions for a period:**

- Choose the Distributions button. See: Viewing Material Transaction Distributions, *Oracle Cost Management User's Guide* or WIP Account Distribution Report, *Oracle Work in Process User's Guide*.

▶ **To view subinventory values at close:**

- Choose the Values at Close button to display the ending value for all closed subinventories.

Opening an Accounting Period

An accounting period must be open for you to complete a transaction; that is, the transaction date you enter must fall within the beginning and ending dates you define for the period.

▶ **To open an existing accounting period:**

1. Follow the steps for viewing accounting periods.
2. Select a period with a status of *Future*.
3. Choose the Change Status button.
4. Choose the OK button to open the period.

Updating an Accounting Period

You can change the end date of an open accounting period to shorten or extend the period.

Attention: If you use Oracle General Ledger, you *should not* use this form to update the period end date. If Oracle Inventory and Oracle General Ledger period end dates are inconsistent, the journal import process could assign a different general ledger period. Therefore, when you post the entries in Oracle Inventory to Oracle General Ledger, they would be in different accounting periods.

▶ **To update open accounting periods:**

1. Following the steps for viewing accounting periods.
2. Enter a new end date for the period.

You can enter a value here only for those periods whose end date is equal to or later than the current date. The new end date must be equal to or later than the current date. Oracle Inventory updates the start date for the following period to the day after this period's new end date.

Closing an Accounting Period

You can close the earliest accounting period with a status of Open or Error. An automatic general ledger transfer is processed when you close an accounting period.

For more information about closing a period, including a valuable checklist,

▶ **To view pending activity for a period before closing it:**

1. Follow the steps for viewing accounting periods.
2. Choose the Pending button. The Pending Transactions window appears.

   Resolution Required: Displays the number of unprocessed material transactions, uncosted material transactions, and pending WIP costing transactions existing in this period. These must be resolved before the period is closed.

   Resolution Recommended: Displays the number of pending receiving transactions, pending material transactions, and pending shop floor move transactions existing in this period. You can close the accounting period, however, after it is closed these transactions cannot be processed.

   See: Unprocessed Transaction Messages, *Oracle Cost Management User's Guide*.

▶ **To close an accounting period:**

1. Following the steps for viewing accounting periods.
2. Select a period with a status of *Open* or *Error*.
3. Choose the Change Status button.
4. Change the status to either *Future* or *Closed*.

See Also

Defining a Calendar, *Oracle General Ledger User's Guide*

Overview of Accounting Close Cycle: page 10 – 2

CHAPTER

11 ABC Analysis

Overview of ABC Analysis

An ABC analysis determines the relative value of a group of inventory items based on a user–specified valuation criterion. ”ABC” refers to the rankings you assign your items as a result of this analysis, where ”A” items are ranked higher than ”B” items, and so on.

You can optionally use the ABC analyses you compile to drive your cycle counts, where you might count items of high value (A items) very frequently, items of lower value less frequently, and items of lowest value very infrequently.

Steps Involved

- Define and run an ABC compilation. See: Defining and Running an ABC Compilation: page 11 – 3.
- Define ABC classes. See: Defining ABC Classes: page 11 – 9.
- Define ABC groups. See: Defining ABC Assignment Groups: page 11 – 12.
- Assign items to ABC classes within a group. See: Defining ABC Item Assignments: page 11 – 14.
- Update item assignments. See: Updating ABC Item Assignments: page 11 – 16.
- Purge ABC information. See: Purging ABC Information: page 11 – 18.

See Also

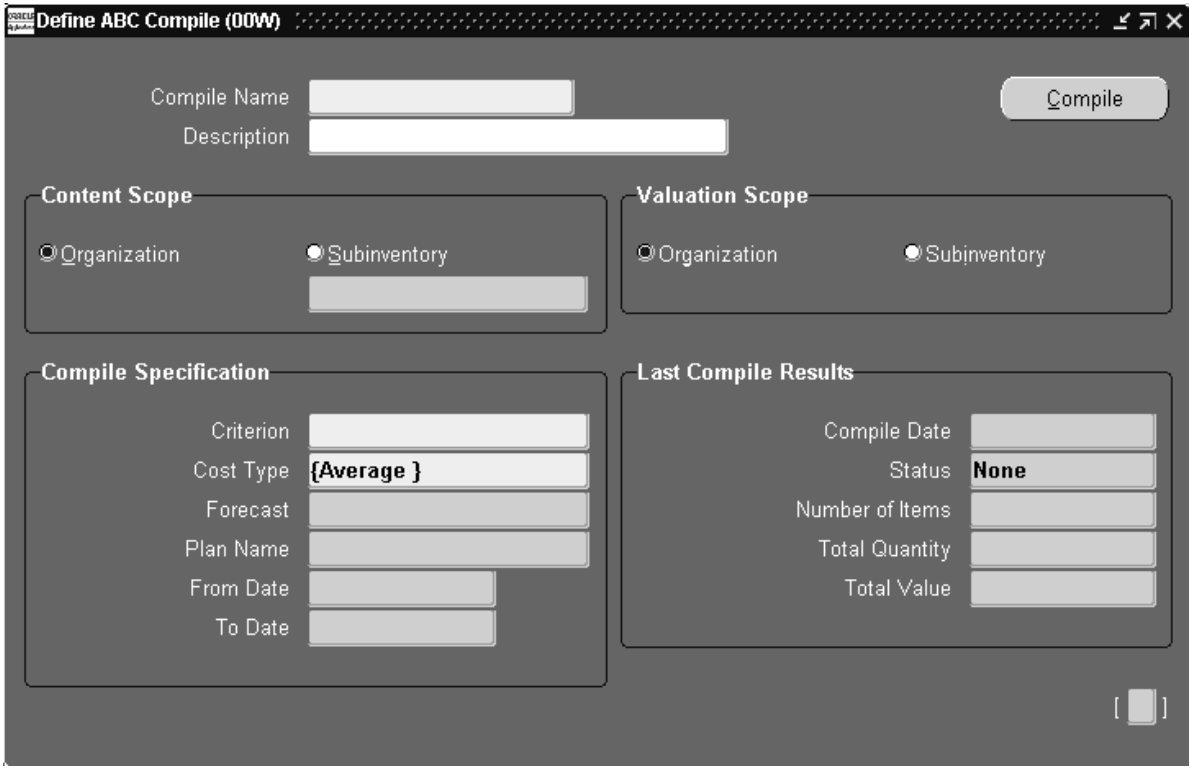
Overview of Cycle Counting: page 12 – 2

Defining and Running an ABC Compile

You can define and compile an ABC analysis for your entire organization or for a specific subinventory within your organization. You choose the compilation criterion, the scope of your analysis, the cost type to use in determining item values, and any additional information that may be conditionally necessary, based on your compilation criterion. The combination of all these parameters constitutes an ABC compile header, identified by the ABC compile name. You use this name to identify any activity pertaining to this ABC analysis.

▶ **To define an ABC compile:**

1. Navigate to the ABC Compiles folder window and choose New. The Define ABC Compile window appears.



2. Enter a unique name for the ABC compile.

3. Determine the scope of the analysis by selecting the content level for items to include in the compile.

   If you use the entire organization, Oracle Inventory includes all items defined for your current organization in the ABC compile, even those with zero cost or zero quantity. If you use a particular subinventory, Oracle Inventory includes all items for which you have defined an item/subinventory relationship. See: Assigning Items to a Subinventory: page 5 – 130 or Assigning Subinventories to an Item: page 5 – 127.

   Attention: You cannot compile an ABC analysis for a subinventory that is defined as a non–quantity tracked subinventory. You can, however, use non–asset (expense) subinventories for which you track quantities.

4. Select the valuation scope for determining the ranking of items.

   Ranking must be done at the Organization level if you did not select a subinventory in the Content Scope field.

   If you only want to include items in a subinventory but you want the ranking to be done based on the organization wide ranking, select Organization. See: Valuation Scope for Ranking Items: page 11 – 7.

5. Select the compile criterion or method of ranking items in the ABC compile. See: Compile Criterion Field: page 11 – 6.

   Oracle Inventory uses the compile criterion to value the items you include in your ABC compile. After determining each item's compile value, Oracle Inventory ranks all the items in your ABC compile.

6. Enter a cost type.

   You can select a value here only if you selected *Current on–hand quantity*, *Current on–hand value*, *Forecasted usage quantity*, *Forecasted usage value*, *MRP demand usage quantity*, or *MRP demand usage value* in the Criterion field. If you are compiling by quantity criterion, the cost type is used for reporting purposes only.

7. Select an MRP forecast name.

   You can select a value here only if you selected *Forecasted usage quantity* or *Forecasted usage value* in the Criterion field.

8. Select an MRP plan name.

   You can enter a value here only if you enter *MRP demand usage quantity* or *MRP demand usage value* in the Criterion field.

9. Enter a start (from) date.

   You must enter a value in this field if you choose an option other than *Current on–hand quantity* or *Current on–hand value* in the Criterion field.

10. Enter an end (to) date.

    You must enter a value in this field if you choose an option other than *Current on–hand quantity* or *Current on–hand value* in the Criterion field

11. Save your work.

▶ **To run an ABC compile:**

1. Navigate to the ABC Compiles window.
2. Select an ABC compile and choose the Compile button. This submits a request to run the compile program.

▶ **To view ABC Compile results:**

1. Navigate to either the ABC Compiles window or the Define ABC Compile window.
2. Choose View Compile from the Tools menu. The ABC Compile Items window appears.

▶ **To print the ABC Descending Value Report:**

1. Navigate to either the ABC Compiles window or the Define ABC Compile window.
2. Choose Print Compile from the Tools menu.

   Oracle Inventory uses the compile criterion to value the items you include in your ABC compile. After determining each item's value, Oracle Inventory ranks all the items in your ABC compile in descending order to produce the ABC Descending Value Report. You can use this report as a guide in assigning your items to ABC classes.

▶ **To purge an ABC compile:**

- See: Purging ABC Information: page 11 – 18.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Compile Criterion Field

The Compile Criterion field is found in the Define ABC Compile window. For each distinct compile, you can choose one of the following criteria to value and rank each item included in the ABC compile. This criterion defines what the rank of a particular item will be in the ABC compile. For example, if you use *Current on–hand quantity* as your compile criterion, an item with an on–hand quantity of 10 units is of higher rank than another item with a quantity of 5 units. If you use the *Current on–hand value* criterion, and the first item from above has a cost of $10 per unit and the second item from above has a cost of $25 per unit, the second item has a higher value than the first item since Oracle Inventory compares $100 ($10 × 10 units) to $125 ($25 × 5 units).

Current on–hand quantity	Use the current on–hand quantity of inventory. Assign the sequence number by descending quantity.
Current on–hand value	Use the current on–hand quantity of inventory times the cost for the cost type. Assign the sequence number by descending value.
Historical usage value	Use the historical usage value (transaction history). This is the sum of the transaction quantities times the unit cost of the transactions for the time period you specify. Assign the sequence number by descending value.
Historical usage quantity	Use the historical usage quantity (transaction history) for the time period you specify. Assign the sequence number by descending quantity.
Historical number of transactions	Use the historical number of transactions (transaction history) for the time period you specify. Assign the sequence number by descending number of transactions.

Forecasted usage value	Use the forecasted usage value based on the forecast quantity calculated and the cost type you specify. Assign the sequence number by descending value.
Forecasted usage quantity	Use the forecasted usage quantity. Assign the sequence number by descending quantity.
Previous cycle count adjustment quantity	Use the previous cycle count adjustment quantity. Oracle Inventory sums the value of all cycle count adjustments since the last ABC compile date. Assign the sequence number by descending quantity.
Previous cycle count adjustment value	Use the previous cycle count adjustment transaction value. Oracle Inventory sums the value of all cycle count adjustments since the last ABC compile date. Assign the sequence number by descending value.
MRP demand usage quantity	Use the MRP demand usage quantity. Oracle Inventory sums the MRP gross requirements for the MRP plan you specify. Assign the sequence number by descending quantity.
MRP demand usage value	Use the MRP demand usage value. Oracle Inventory sums the MRP gross requirements for the MRP plan you specify. The value is derived from the item cost type you choose in the ABC compile form. Assign the sequence number by descending value.

See Also

Defining and Running an ABC Compile: page 11 – 3

Valuation Scope for Ranking Items

In the Define ABC Compile window you select a valuation scope for determining the ranking of items. If you choose to restrict your ABC compile to items within a particular subinventory, you have the option of valuing your items across all subinventories in the organization or just the one for which you have restricted the ABC compile. For example, item WIDGET1 has an on–hand quantity of 5 units in subinventory STORES1. The same item also exists in other

subinventories in your organization, for a total on–hand quantity of 30 units in the entire organization. Item WIDGET2, has an on–hand quantity of 10 units in STORES1 and a total on–hand quantity of 20 units in the entire organization. You choose to compile your ABC analysis based on *Current on–hand quantity*.

If you restrict your ABC compile to subinventory STORES1, both WIDGET1 and WIDGET2 are included in the ABC analysis since they both exist in STORES1. However, the value to use is determined by what you choose in the Valuation Scope field on the Define ABC Compile window. If you choose to restrict valuation to the subinventory, Oracle Inventory uses 5 units for WIDGET1, 10 units for WIDGET2, and ranks WIDGET2 higher than WIDGET1. However, if you choose to value the same items across the organization, Oracle Inventory uses 30 units for WIDGET1, 20 units for WIDGET2, and ranks WIDGET1 higher than WIDGET2.

Defining ABC Classes

You use ABC classes to identify the value groupings to which your items belong. You define these classes using your own terminology. For example, you might define classes High**,** Medium**,** Low, and later assign your items of highest rank to the High class, those of lower rank to the Medium class, and those of lowest rank to the Low class. You can add to the list of classes you have already defined.

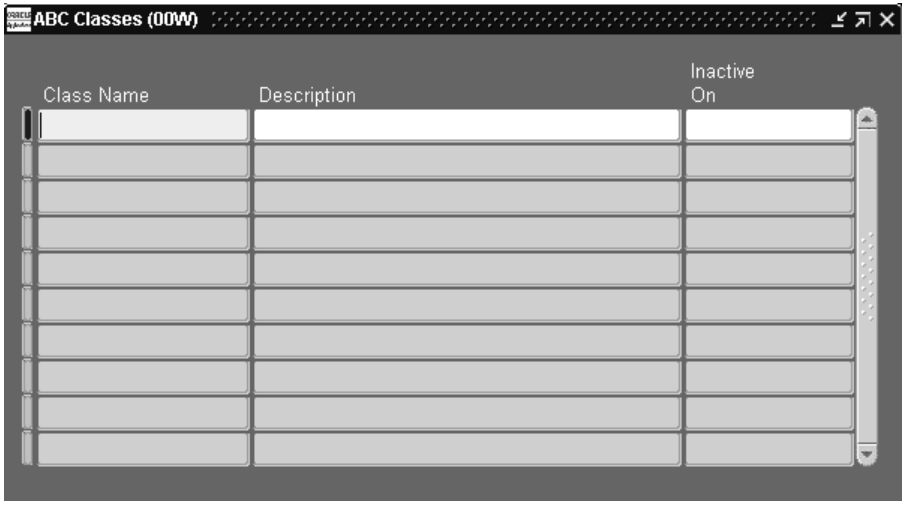
Attention: You must assign an ABC class to at least one ABC group. See: Defining ABC Assignment Groups: page 11 – 12.

You can use ABC classes to group items for a cycle count where you count "A" items more frequently than "B" items. When you use ABC classes in this way, you perform an ABC analysis and assign items to classes based on the results of that analysis.

You can also use ABC classes to group items for planning purposes. For example, the Planning Detail Report allows you to choose an ABC class to report on.

▶ **To define an ABC class:**

1. Navigate to the ABC Classes window.



2. Enter a unique name for the class.
3. Save your work.

▶ **To delete an ABC class:**

- You can delete a class if it is not in use in a cycle count or ABC assignment group.

▶ **To make an ABC class inactive:**

- Enter a date on which the class becomes inactive.

  As of this date, you can no longer assign the ABC class to an ABC group.

See Also

Overview of ABC Analysis: page 11 – 2

ABC Assignment Groups

ABC assignment groups link a particular ABC compile with a valid set of ABC classes. This allows you to selectively reduce or increase the number of ABC classes you want to use in your item assignments for a particular ABC compile. For example, you might have five classes, A, B, C, D, and E, defined for your organization where you perform your ABC analysis by subinventory. The first subinventory is rather small. You need only three classes in which to divide your items. You define an ABC group, associating the ABC compile for the first subinventory with the classes A, B, and C. The second subinventory for which you compile an ABC analysis is much larger. There are five distinct value groupings of items. You define a second ABC group, associating the ABC compile for the second subinventory with all five classes defined for your organization, A, B, C, D, and E.

Oracle Inventory uses these groups when you automatically assign your items to ABC classes. It ensures that you divide your items into the exact number of groupings you specified in the ABC group.

You must also assign a sequence number to each class associated with the ABC group. The class with the lowest sequence number is assumed to have the highest rank and will have higher rank items assigned to that class than the next higher sequence number. Using the ”A”, ”B”, and ”C” classes in the example above, you might assign the ”A” class a sequence number of ”1”, the ”B” class a sequence number of ”2”, and the ”C” class a sequence number of ”3”. (Sequence numbers ”10”, ”20”, and ”30” would give the same result.) When you later assign your items to ABC classes, the first grouping of items in the descending value list are assigned to class ”A”, the next to ”B”, and the last to ”C”.

You may update an assignment group to add new classes. However, you cannot delete a class. If you need to delete a class, you must create a new assignment group with only the desired classes.

See Also

Defining ABC Assignment Groups: page 11 – 12

Defining ABC Item Assignments: page 11 – 14

Updating ABC Item Assignments: page 11 – 16

Overview of ABC Analysis: page 11 – 2

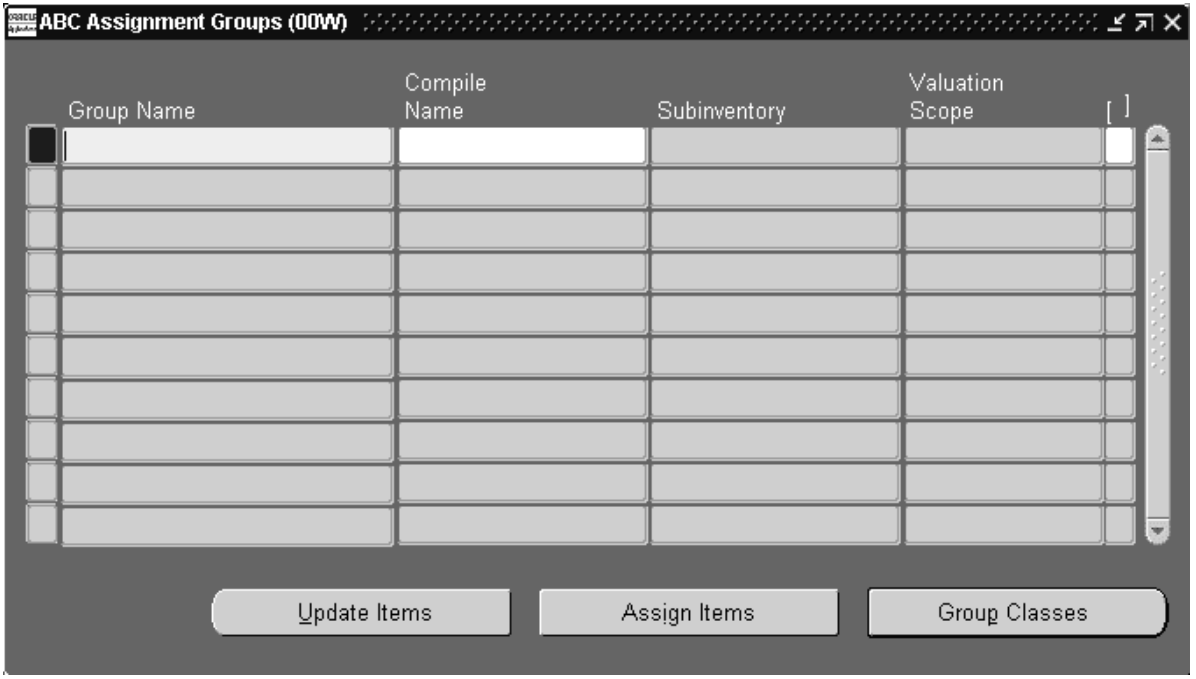
Defining ABC Assignment Groups

ABC assignment groups associate ABC classes with an ABC compile. You assign items to ABC classes within a particular group. This allows you to assign items to different ABC classes in different groups.

For example, suppose you define ABC groups “Cycle Counting” and “Planning”. You can assign different ABC classes to these two groups. You can then assign an item to a different ABC class in each group. This allows you to prioritize items differently for cycle counting and planning.

▶ **To define an ABC assignment group**:

1. Navigate to the ABC Assignment Groups window.



2. Enter a unique ABC group name.
3. If you want to assign items to this ABC group using an ABC compile, enter the name of a valid ABC compile for your organization.

If you entered an ABC compile name, Oracle Inventory displays the subinventory (if any) and the valuation associated with that ABC compile.

4. Optionally, you can view compile information by choosing View Compile from the Tools menu. This option is available only if you enter a compile in the Compile Name field.
5. Save your work.

▶ **To enter classes to use with an ABC group:**

1. Choose the Group Classes button. The ABC Group Class Assignments window appears.
2. Enter the sequence number in which classes are ordered. The lower the number the higher the importance of the class. Oracle Inventory defaults to the next available integer.
3. Enter the name of the class to use with this ABC group.
4. Optionally, you can navigate to the ABC Classes window by choosing Classes from the Tools menu.

▶ **To assign items to the group if you associated an ABC compile to the group:**

- Choose the Assign Items button. See: Defining ABC Item Assignments: page 11 – 14.

▶ **To update item assignments or enter items that were not part of an ABC compile:**

- Choose the Update Items button. See: Updating ABC Item Assignments: page 11 – 16.

▶ **To purge an ABC group:**

- See: Purging ABC Information: page 11 – 18.

See Also

ABC Assignment Groups: page 11 – 12

Overview of ABC Analysis: page 11 – 2

Defining ABC Item Assignments

You can assign and update ABC classes to an ABC assignment group where an ABC compile was also entered. From the ABC Descending Value Report you determine the cutoff points for assigning ABC classes. You can then use the classifications for other purposes such as determining how often you cycle count a given item.

▶ **To define ABC assignments:**

1. Navigate to the Assign ABC Items window, or navigate to the ABC Assignment Groups window and choose the Assign Items button.

2. Enter the ABC group for which to assign items to classes.

   If you navigate from the ABC Assignment Groups window this field is already entered

   The Compile Name, Subinventory, Number of Items, and Total Compile Value fields display information for the compile used by the ABC Group.

3. Specify the cutoff point for each ABC class. Each ABC class must have at least one item assigned to it, and all items in the ABC

compile must be assigned to an ABC class. You can use any of the following fields to determine the cutoff points:

Seq: You can enter the sequence number from the ABC Descending Value Report for the last item to be included in each ABC class. Oracle Inventory automatically calculates this value if you choose to assign classes by another method. Oracle Inventory displays the last sequence number as the default for the last class.

Inventory Value: You can enter the cumulative value from the ABC Descending Value Report for the last item to include in each ABC class. Oracle Inventory automatically calculates the maximum value. This maximum value is restricted to the total inventory value compiled and is displayed in the Total Compile Value field. Oracle Inventory displays the total inventory value as the default for the last class.

% Items: You can enter the percent of number of items compiled from the ABC Descending Value Report to include in each class. Oracle Inventory automatically calculates this value if you choose to assign classes by another method.

% Value: You can enter the percent of total compile value from the ABC Descending Value Report to include in each class. Oracle Inventory automatically calculates this value if you choose to assign classes by another method.

Attention: It is possible to have several items in the ABC compile with zero value. If any item with zero value is in a class other than the last class, you may only assign items using the sequence number or item percent.

For the *Inventory Value*, *% Item*, and *% Value* fields, if the value entered does not exactly match any item, Oracle Inventory chooses the first item with a value greater than the value entered.

4. Choose the Assign button to launch the concurrent request to assign the items to the classes in the ABC group.

See Also

Updating ABC Item Assignments: page 11 – 16

Overview of ABC Analysis: page 11 – 2

Updating ABC Item Assignments

If you are not satisfied with the class into which an item falls as a result of the automatic ABC assignment process, you can change it. For example, assume you compiled your ABC analysis based on historical usage value. You have a relatively new item in your inventory that was ranked toward the bottom of your ABC Descending Value Report since it has very little transaction history on record. Therefore, after the assignment process, this item was assigned to a class of low rank. However, you know that in the future, this item will have a high usage value and should really be classified as a high rank item. You use the Update ABC Assignments form to reclassify this item to now be a high rank item.

Attention: Whenever you recompile an ABC analysis or change the method by which you assign your ABC classifications, you lose any changes you might have made to your item assignments. All items are reclassified based on their new ranks in the ABC Descending Value Report and the method you choose to determine cutoff points.

You can also update an ABC group to include those items that were not a part of the initial ABC compile. This allows you to expand the scope of your existing ABC compiles without having to rerun any processes. For example, if you start stocking a new item in your inventory, you can make it a part of your existing ABC groupings through the update process. Otherwise, you would have to start all over by recompiling your ABC analysis and reassigning your items to ABC classes. With the whole process starting from the very beginning, you also run the risk of losing any changes you might have made to your item assignments.

▶ **To update an ABC item assignment:**

1. Navigate to the Update ABC Item Assignments window, or navigate to the ABC Assignment Groups window and choose Update Items.

2. Enter an ABC group whose items you want to update.

   If you navigate from the ABC Assignment Groups window this field is already entered

3. Enter an inventory item and a valid ABC class.

   You can use the Find button to display items currently assigned to the ABC group you entered.

4. Save your work.

See Also

Defining ABC Assignment Groups: page 11 – 12

Overview of ABC Analysis: page 11 – 2

Purging ABC Information

You can submit a request to purge either ABC assignment group or ABC compile information.

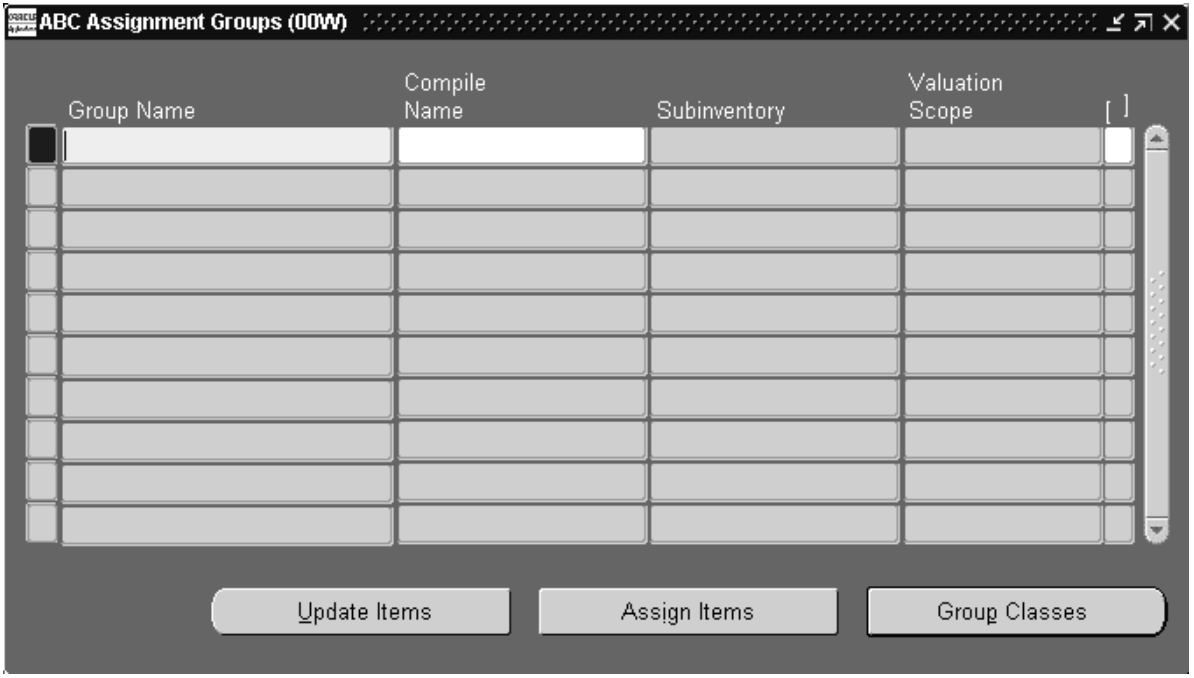
Purging an ABC group deletes all item assignments to ABC classes for the assignment group you specify, as well as the ABC group itself.

Purging an ABC compile deletes all item values and rankings for the ABC compile you specify, as well as the ABC compile itself. You can purge an ABC compile if no ABC groups are using it.

> **Note:** You delete an ABC class from the ABC Class window. See: Defining ABC Classes: page 11 – 9.

▶ **To purge ABC group information:**

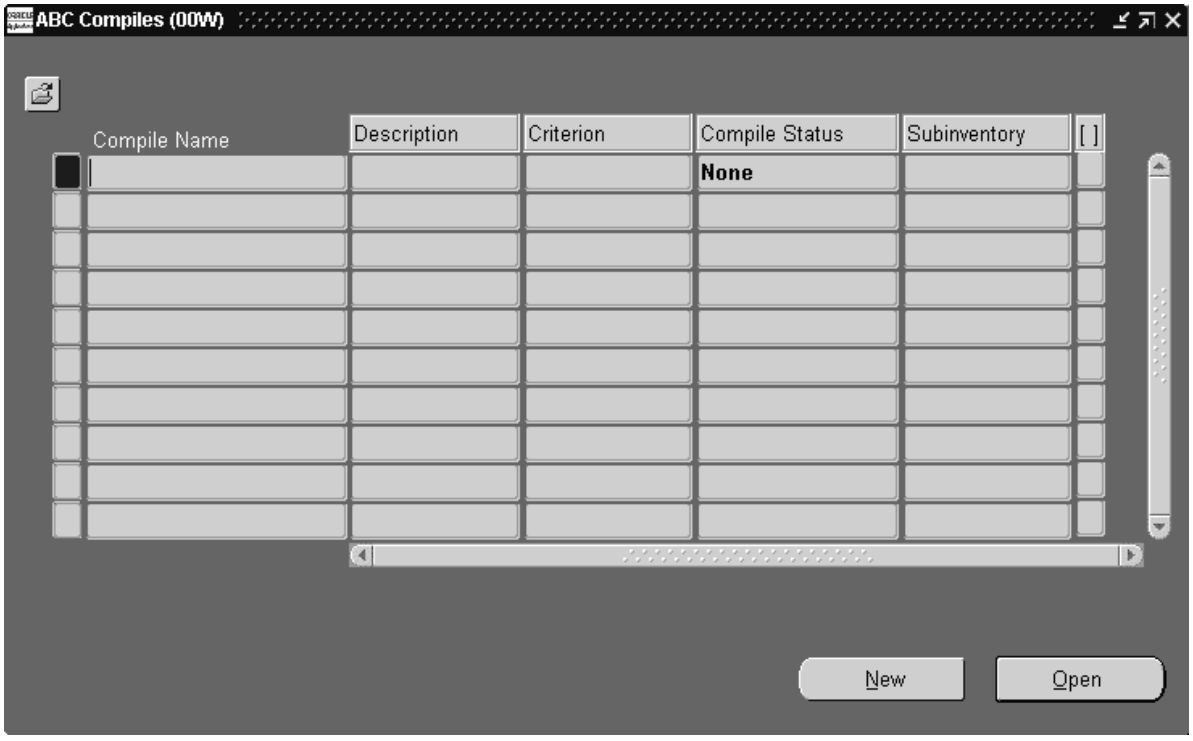
1. Navigate to the ABC Assignment Group window.



2. Select the group you want to purge.
3. Choose Purge Group from the Tools menu.
4. A window appears asking if you want to proceed with the purge. Choose OK.

▶ **To purge ABC compile information:**

1. Navigate to the ABC Compiles window.



2. Choose the compile you want to purge.
3. Choose Purge Compile from the Tools menu.
4. A window appears asking if you want to proceed with the purge. Choose OK.

See Also

Overview of ABC Analysis: page 11 – 2

CHAPTER

12 Cycle Counting

Overview of Cycle Counting

Cycle counting is the periodic counting of individual items throughout the course of the year to ensure the accuracy of inventory quantities and values. Accurate system on–hand quantities are essential for managing supply and demand, maintaining high service levels, and planning production.

You can perform cycle counting instead of taking complete physical inventories, or you can use both techniques side–by–side to verify inventory quantities and values.

Inventory supports serialized cycle counting, and the following modules discuss the steps involved. See also: Serialized Cycle Counting: page 12 – 4.

Tasks Involved

- Define a cycle count for the organization or subinventory level. See: Defining and Maintaining a Cycle Count: page 12 – 7.
- Define cycle count classes. See: Defining Cycle Count Classes: page 12 – 13.
- Define cycle count items. See: Defining Cycle Count Items: page 12 – 16.
- Automatically schedule item counts using ABC count frequencies. See: Generating Automatic Schedules: page 12 – 19.
- Manually schedule counts for the following inventory control details:
  - items, or specific revisions, lots
  - subinventories or specific locators

  See: Entering Manual Schedule Requests: page 12 – 19.
- Generate daily, weekly, or period count requests and lists based on your schedule. See: Generating Cycle Count Requests: page 12 – 23.
- Enter counts. See: Entering Cycle Counts: page 12 – 25.
- Approve, reject, or request recounts for cycle count adjustments based on approval tolerances. See: Approving Cycle Count Adjustments: page 12 – 35.
- Purge cycle count information. See: Purging Cycle Count Information: page 12 – 40.

- Import cycle count entries from external systems. See: Cycle Count Open Interface: page 12 – 41.
- Export cycle count entries to external systems. See: Cycle Count Open Interface: page 12 – 41.

See Also

Overview of ABC Analysis: page 11 – 2

Serialized Cycle Counting

Cycle counting of serial items takes place within the standard cycle counting functionality in Inventory; however, the following sections discuss additional considerations specific to serialized cycle counting.

Defining Cycle Counts

All cycle counts are defined in the Cycle Counts window. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Four options set in this window govern the handling of serial controlled items:

Count

Not Allowed: Serialized items are excluded from the cycle count.

One Per Request: A separate count request is generated for each serial number.

Multiple Per Request: Serial numbers for the same item / location are grouped in one count request.

Detail

Quantity and Serial Numbers: Serial number and quantity are required and are validated when entering counts.

Quantity Only: Serial number entry is required if the count quantity does not match the system quantity. Serial number entry is optional if the count quantity matches the system quantity, regardless of whether the serial numbers match. If you do not enter serial numbers, the count is marked as completed, and no adjustments are performed. If you do enter serial numbers, both quantity and serial numbers are validated when determining whether adjustments are required.

Adjustment

Review All Adjustments: No automatic adjustments are attempted. Serialized items that require adjustment must go to an approver for review.

Adjust if Possible: If a discrepancy exists between the count quantity and system quantity or if the entered serial numbers do not correspond to the serial numbers already in the specified location,

then the system will attempt to make adjustments if the adjustment variance and value are within tolerances, as long as serial uniqueness constraints are not violated. These adjustments consist of receipts and issues of the appropriate serial numbers to and from the specified location and are applicable only to instances in which new serial numbers or shipped serial numbers are counted.

If the adjustment quantity or value for a serialized item falls outside the specified tolerances, the item is sent for recount or approval, just like a non–serialized item.

Discrepancy

Allow Discrepancies: When a count includes a serial number already assigned to the same item elsewhere in the system, an adjustment is created if it would be within tolerances. No adjustment is ever allowed for counts including serial numbers already assigned to another item.

Do Not Allow Discrepancies: Adjustments are not made for items not found in the specified location.

Scheduling and Generating Count Requests

Scheduling now includes serial numbers, as does the cycle count generation. If the Count option in the cycle count definition is set to *One per Request*, then one count request is created for each serial number for the item in a specific location. If the Count option is set to *Multiple per Request*, then one count request is created for all serial numbers in the specified item locations.

For the zero count generation of serial numbers, the only way to get a meaningful zero count entry for a serial number is to specify the serial number in the Manual Schedule Requests window. (See: Entering Manual Schedule Requests: page 12 – 19) Otherwise, zero count requests are created for serial controlled items, but they will not have a serial number tied to them.

Entering Cycle Counts

How you enter cycle counts depends on the Count and Detail option settings in the count definition. When the Count option is set to *One Per Request* and the Detail option is set to *Quantity Only*, the count request itself contains the serial number, and you enter a count quantity

of either present or missing. When the Count option is set to *Multiple Per Request* and the Detail option is set to *Quantity and Serial Numbers*, the Serial Number field in the count request is disabled, and you must use the Cycle Count Serial Detail window to specify whether the serial number is present. If you selected *Quantity Only* as the Detail option, you must use the Cycle Count Serial Number Details window if there is a quantity mismatch.

On–hand quantities for serial numbers are retrieved when count requests are queried. Thus, it is possible to have count requests for serial numbers with an on–hand quantity of zero. If you mark the serial number as present, then you will need to make an adjustment.

Approving and Adjusting Counts

The approval process for serialized items differs from that for non–serialized items. Serial numbers that are misplaced (at a different location or for a different item) cannot be adjusted.

Counts in which there is a misplaced serial number are sent for approval, regardless of whether the adjustment variances fall within tolerance if discrepancies are allowed. However, if a count entry contains a serial number found in another location, the count request cannot be approved until the discrepancy is corrected. You can make the correction manually in the Transaction window, or you can cycle count the other location (performing an issue, adjustment transaction) and then recount the first location.

For serial numbers that do not appear in the cycle count request but are entered by the counter, adjustment transactions are considered receipts. These receipt transactions are allowed for the serial states where the unit is defined but never used and where the unit has been issued out of stores. For serial numbers that appear in the count request but are not marked as present by the counter, adjustment transactions are considered issues. These issue transactions are allowed for the serial state where the unit is received into stores. Count requests whose serial adjustments fall into these two categories may have adjustment transactions performed against them and may complete normally.

See Also

Entering Cycle Counts: page 12 – 25

Count Adjustments and Approvals: page 12 – 35

Defining and Maintaining a Cycle Count

A combination of parameters constitutes a cycle count header, identified by the cycle count name. You use this name to identify any activity pertaining to this cycle count.

You can define and maintain an unlimited number of cycle counts in Oracle Inventory. For example, you can define separate cycle counts representing different sets of subinventories in your warehouse.

Prerequisites

- ❑ Define ABC classes. See: Defining ABC Classes: page 11 – 9.
- ❑ Define your workday calendar. See: Creating a Workday Calendar, *Oracle Bills of Material User's Guide*.
- ❑ When determining cycle count classes based on ABC analysis, you must compile an ABC analysis and assign your compiled items' ABC classes. See: Overview of ABC Analysis: page 11 – 2.

▶ **To define a new cycle count:**

1. Navigate to the Cycle Count Summary folder window by selecting Cycle Counts on the menu and choose New to open the Cycle Counts window.

2. Enter a unique name for the cycle count.
3. Enter the workday calendar to use for this cycle count.

   Inventory uses this calendar to determine the days on which to automatically schedule cycle counts.
4. Enter the general ledger account to charge for cycle count adjustments.

▶ **To enter control and scope information for your cycle count:**

1. Select the Control, Scope tabbed region.
2. Enter the Count Controls:
   - Optionally, enter the date on which the cycle count becomes inactive. As of this date, you cannot generate schedules or perform any counting activities for this cycle count.
   - Enter the number of workdays that can pass after the date the count request was generated, before a scheduled count becomes a late count.

- Enter the sequence number to use as the starting number in the next count request generator. The count sequence number uniquely identifies a particular count and is used in ordering the cycle count listing.
- Determine whether you can enter counts for items not scheduled to be counted (Unscheduled Entries).
- Determine whether to display system on–hand quantities during count entry.

3. Determine whether Inventory automatically assigns a status of *Recount* to out–of–tolerance counts and includes them in the next cycle count listing.

   If you turn this option on, navigate to the *Maximum* field and enter the maximum number of times Inventory can generate an automatic recount request. Once this number is reached the adjustment must be approved or rejected.

4. Determine the subinventories to include in the cycle count.

   If you choose *Specific* subinventories, you can navigate to the Subinventory region and select the subinventories to include in the cycle count.

▶ **To enter serial number control and autoschedule information:**

1. Navigate to the Serial Control, Schedule tabbed region.
2. Select the count option to determine whether to exclude serialized items from the cycle count (Not Allowed), create one count request for each serial number (One Per Request), or create multiple serial details in a count request (Multiple Per Request).
3. Select the detail option:

   Quantity and Serial Numbers: Serial number and quantity are required and are validated when entering adjustments.

   Quantity Only: Serial number entry is optional if the count quantity matches the system quantity, regardless of whether the serial numbers match. If you do not enter serial numbers, the count is marked as completed, and no adjustments are performed. If you do enter serial numbers, both quantity and serial numbers are validated when determining whether adjustments are required.

4. Select the adjustment option:

   Adjust if Possible: If a discrepancy exists between the count quantity and system quantity or if the entered serial numbers do not

correspond to the serial numbers already in the specified location, then the system will attempt to make adjustments if the adjustment variance and value are within tolerances. These adjustments consist of receipts and issues of the appropriate serial numbers to and from the specified location and are applicable only to instances in which new serial numbers or shipped serial numbers are counted.

Review All Adjustments: No automatic adjustments are attempted.

5. Select the discrepancy option to indicate whether an adjustment is attempted when a count includes a serial number already assigned to the same item elsewhere in the system.

6. Determine whether to automatically schedule this cycle count. See: Cycle Count Scheduling: page 12 – 18.

   If you turn automatic scheduling on, enter the following information:

   Frequency: Indicate whether to schedule cycle counts *Daily*, *Weekly*, or *By period*. Inventory uses this information, along with the count frequency of each cycle count class, when performing automatic cycle count scheduling. The value you enter here dictates the window of time within which you can enter counts against a schedule bucket.

   Schedule Interval Example

   If you choose weeks as your schedule interval, Inventory schedules a week's worth of counts each time the automatic scheduler executes. You then have that week to complete all these counts. On the other hand, if you choose days, Inventory schedules only that one day's counts, and you need to complete those counts on that given day.

   Last Date: Inventory displays the last date this cycle count was automatically scheduled.

   Next Date: Inventory displays the first workday for the next schedule interval when this cycle count is scheduled. You can enter a later date in this field if you want to override the automatic schedule and skip one or more intervals. If your schedule interval is *Weekly* or *By period*, the date you enter must be the first workday of the period for which you want to generate schedule requests.

   Next Schedule Date Example

   Assume your schedule interval is *Weekly* and you last ran your schedule on Monday, March 20. Your calendar workdays were specified as Monday through Friday. When you ran your

schedule on March 20 the Next Scheduled Date was set to March 27. You know that during the week of March 27 you are doing a physical inventory so you do not wish to do cycle counting. You can set Next Scheduled Date to April 3, the first weekday of the following next week. Inventory does not generate any cycle count requests for the week of March 27–31, and when you schedule counts on April 3, Inventory generates requests only for the week of April 3–7.

7. Optionally, determine whether to automatically generate requests to count items with an on–hand quantity of zero.

▶ **To define adjustments and ABC information:**

1. Navigate to the Adjustments, ABC tabbed region.
2. Determine when approval is required for adjustments:

   Never: Inventory automatically posts adjustment transactions where entered counts differ from system balances.

   If out of tolerance: Inventory does not automatically post adjustment transactions for counts outside a specified approval tolerance. You must approve such adjustments before posting.

   Always: You must approve all cycle count adjustments, regardless of tolerance levels, before Inventory can post any of them.
3. If you choose to require approval for adjustments *If out of tolerance*, enter positive and negative tolerances.

   Qty Variance: Enter the percentage variances of count quantity to on–hand quantity beyond which adjustments are held for approval.

   Adjustment Value: Enter the adjustment values beyond which adjustments are held for approval.

   Hit/Miss Analysis: Enter the percentage variances of count quantity to on–hand quantity beyond which Inventory considers a count entry a miss for hit / miss reporting.
4. Optionally, enter ABC initialization or update information:
   - *Group*: Enter the ABC group name on which to base the cycle count item initialization or update.
   - *Option*: Choose one of the following options:
     - *None*: Do not change to the list of cycle count items.
     - *(Re)initialize*: Use the ABC group you specified to load all items and their ABC assignments into the list of items to

include in your cycle count. If you already had items defined for your cycle count, this action deletes existing information and reloads the items from the ABC group.

- *Update*: Use the ABC group you specified to insert new cycle count items.

- If you chose the update option:
  - Indicate whether to update classes. If an item's ABC class assignment in the ABC group you specified is different from the cycle count class this item is assigned, Inventory updates the cycle count class for the item with the ABC assignment in the specified ABC group.
  - Indicate whether to delete unused item assignments that are no longer referenced in the specified ABC group.

5. Save your work.

▶ **To enter ABC classes to include in your cycle count:**

- Choose the Classes button. See: Defining Cycle Count Classes: page 12 – 13.

▶ **To define cycle count items:**

- Choose the Items button. See: Defiling Cycle Count Items: page 12 – 16.

See Also

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Generating Automatic Schedules: page 12 – 19

Purging Cycle Count Information: page 12 – 40.

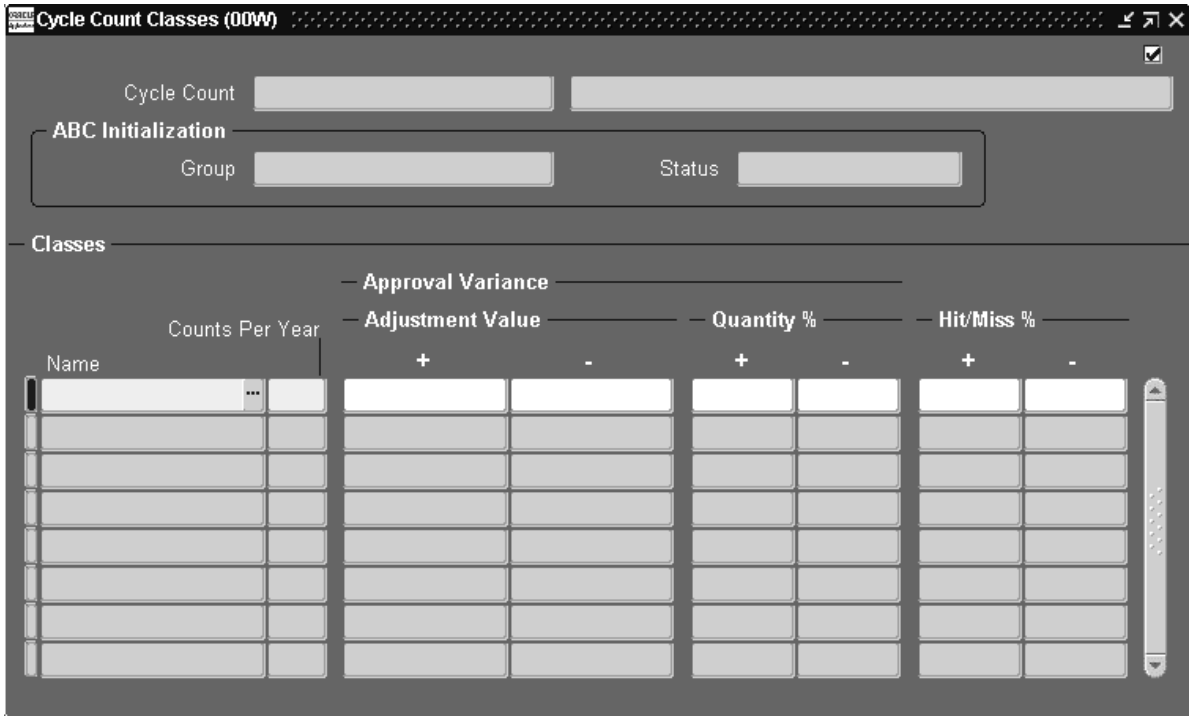
Approval Options and Tolerances: page 12 – 31

Defining Cycle Count Classes

You can enter ABC classes to include in your cycle count. You can also enter approval and hit / miss tolerances for your cycle count classes.

▶ **To define cycle count classes:**

1. Navigate to the Cycle Count Summary folder window.
2. Select a cycle count and choose Open.
3. In the Cycle Counts window choose Classes. The Cycle Count Classes window appears.



4. Enter the name of the ABC class to use to define your cycle count classes.
5. Enter the number of times per year you want to count each item in this class.
6. Optionally, enter positive and negative tolerances. If you do not enter tolerances, Inventory uses the values you entered in the Cycle Counts window.

Quantity %: Enter the percentage variances of count quantity to on–hand quantity beyond which adjustments are held for approval.

Adjustment Value: Enter the adjustment values beyond which adjustments are held for approval.

Hit/Miss %: Enter the percentage variances of count quantity to on–hand quantity beyond which Inventory considers a count entry a miss for hit / miss reporting. Note that the hit / miss percentage is based on the first count of an item, not recounts.

7. Save your work.

See Also

Defining Cycle Count Items: page 12 – 16

Cycle Count Items

You need to load items into your cycle count before you can schedule or count them. There are two methods you can use to do this. The first is to specify an existing ABC group from which to load your items. Oracle Inventory automatically includes all items in the ABC group you choose in your cycle count. Inventory also copies the ABC classes for that ABC group into the current cycle count classes and maintains the same classifications for the included items. You can then change the classifications of your items for your cycle count independent of the ABC classes.

Once you have generated your list of items to count from an ABC group, you can periodically refresh the item list with new or reclassified items from a regenerated ABC group. Using the Cycle Counts window, you can choose whether to automatically update class information for existing items in the cycle count based on the new ABC assignments. You can also choose to have any items that are no longer in the ABC group automatically deleted from the cycle count list. Any new items are added.

The second method of maintaining the cycle count item list is to manually enter, delete, or update the items you want included/excluded using the Cycle Count Items window. You may want to use this form to load all your items for a cycle count, or to simply add items as they are defined in the system rather than recompiling your ABC group and doing a complete reinitialization of your cycle count items.

Defining Control Group Items

When you choose the items to include in your cycle count, you can specify which items make up your control group. When you generate automatic schedules you can indicate whether to include items in your control group as a control measure.

See Also

Defining Cycle Count Items: page 12 – 16

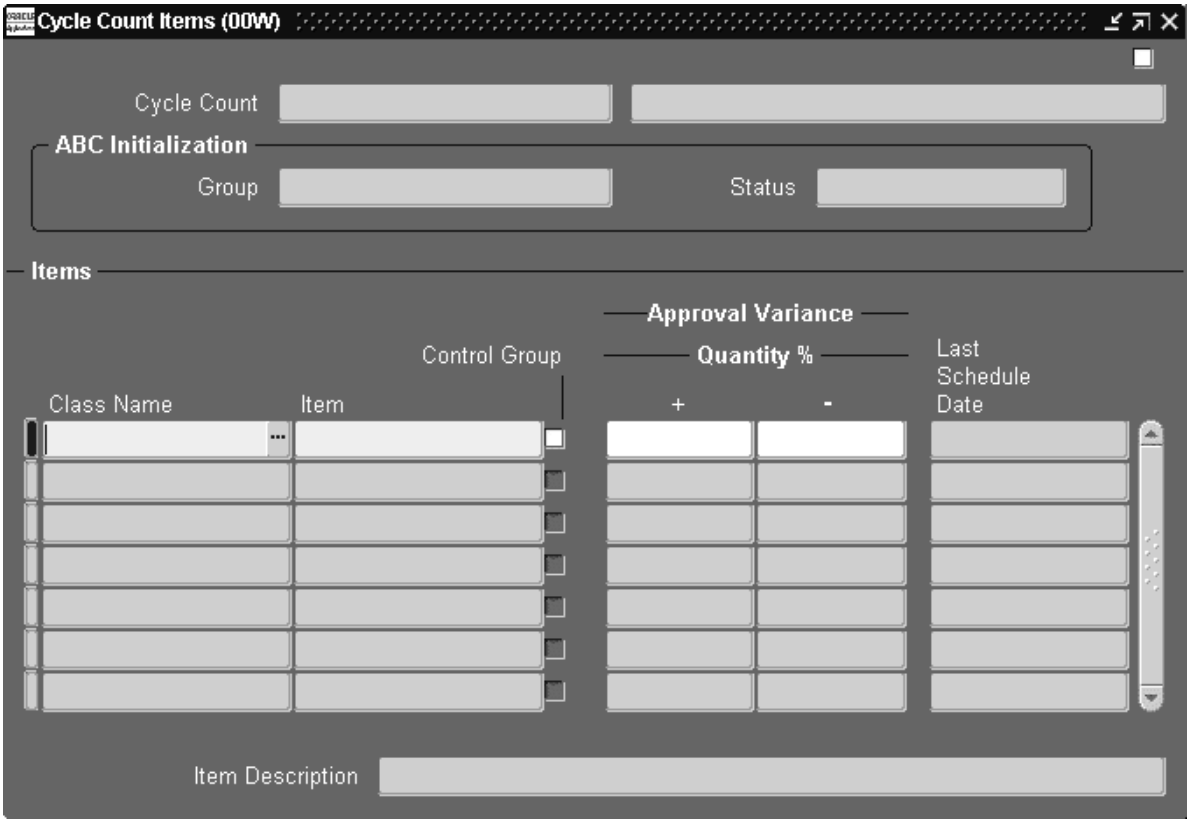
Defining Cycle Count Items

Use the Cycle Count Items window to add items to your cycle count or to update certain attributes for existing cycle count items. You can schedule, generate count requests for, and count only those items that are included in this list.

You can also view all items included in a cycle count as a result of initializing from an ABC analysis.

▶ **To enter or update cycle count items:**

1. Navigate to the Cycle Count Summary folder window.
2. Select a cycle count and choose Open.
3. In the Cycle Counts window choose Items. The Cycle Count Items window appears.



4. Enter the ABC class to which this item belongs. You can only choose from those classes you assigned to your cycle count in the Cycle Count Classes window.
5. Enter the item to assign to your cycle count.
6. If you are using automatic scheduling, indicate whether this is a control group item. When you generate schedules you can indicate whether to include control group items.
7. Optionally, enter positive and negative quantity variances of count quantity to on–hand quantity beyond which adjustments may be held for approval.

   If you enter a value in this field, Inventory uses it instead of the tolerance specified (if any) for the class to which the item belongs, or instead of the tolerance specified (if any) for the cycle count header.
8. Save your work.

See Also

Cycle Count Items: page 12 – 15

Cycle Count Scheduling

Automatic Scheduling

Oracle Inventory uses the number of items in each cycle count class, the count frequency of each class, and the workday calendar of your organization to determine how many and which items you need to count during the scheduling frequency.

In order for Inventory to perform automatic scheduling you must:

- Set the Cycle Count Enabled item attribute to Yes for the items you want to include in the cycle count.
- Enable automatic scheduling when you define your cycle count.
- Request the schedule using the Generate Automatic Schedule Requests window.

Each time the auto scheduler runs, it schedules counts only for the schedule interval you defined for the cycle count header. So if your schedule interval is weeks, Inventory schedules all items that need to be counted on all of the workdays in the current week. If your schedule interval is days, then Inventory only schedules those items that are due for counting on the current date.

Manual Scheduling

You can manually schedule counts in addition to, or instead of those generated with automatic scheduling. You can request counts for specific subinventories, locators, and items, and set the count for any inventory date. For example, you could enter a request to count item A wherever it can be found in subinventory X. Or you could request to count all item quantities in subinventory Y, locator B–100.

Since manually scheduled counts have no impact on automatically scheduled counts, you can potentially count some items more frequently than you had initially planned.

Physical Location Scheduling

You can use this feature to execute location–based cycle counting. You first need to generate a schedule for counting each subinventory and locator. You then need to enter the schedule requests for each locator, specifying the schedule date.

See Also

Generating Automatic Schedules: page 12 – 19

Entering Manual Schedule Requests: page 12 – 19

Generating Automatic Schedules

You can submit a program for automatic generation of schedule requests.

▶ **To generate automatic schedules:**

1. Navigate to Cycle Counts Summary folder window or the Cycle Counts window.
2. Select a cycle count and choose Cycle Count Scheduler from the Tools menu. The Cycle Count Scheduler Parameters window appears.
3. Indicate whether to include items belonging to the control group in the list of items for which to generate schedule requests.
4. Choose OK to submit the request to the concurrent manager.

See Also

Cycle Count Scheduling: page 12 – 18

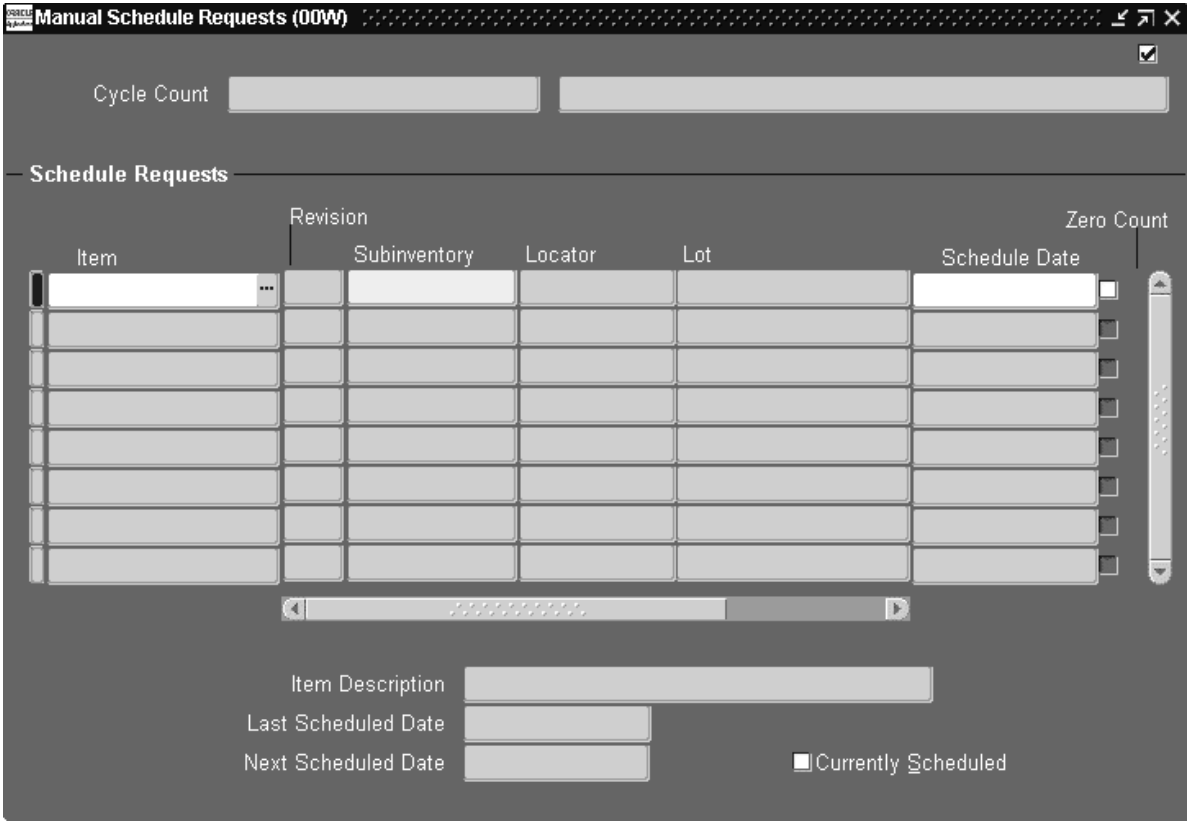
Generating Cycle Count Requests: page 12 – 23

Entering Manual Schedule Requests

You can schedule an item or location for cycle counting at any time. You may manually schedule cycle counts to supplement your automatic schedules. You use this feature to achieve item–based or location–based cycle counting.

▶ **To manually schedule cycle count requests:**

1. Navigate to the Manual Schedule Requests window or choose the Schedule button on the Cycle Counts Summary folder window.



2. Enter the cycle count name you are scheduling.
3. Select the item or location (subinventory) for counting.

   You can manually schedule specific items by entering values in different combinations of the item, revision, lot, serial number, subinventory, and locator fields.

   If you do not enter an item, you must enter a subinventory. Inventory schedules a count of all items stocked in this subinventory. If you enter an item and a subinventory, Inventory schedules the item to be counted only in this subinventory.
4. Enter the date on which Inventory is to schedule the count you have specified. The date you enter cannot be before today's date and must be a valid workday as defined by the workday calendar for your cycle count.
5. Indicate whether to generate count requests for this item, revision, lot, serial number, subinventory, or locator combination even if the system on–hand quantity is zero. This may be useful in performing

exception–based counting to verify that the actual on–hand quantity is indeed zero.

6. Save your work.

See Also

Cycle Count Scheduling: page 12 – 18

Generating Cycle Count Requests: page 12 – 23

Count Requests

After you have successfully scheduled your counts, you can submit the process to generate count requests. This process takes the output of the automatic scheduler and your manual schedule entries, and generates a count request for each item number, revision, lot number, subinventory, and locator combination for which on–hand quantities exist. These count requests are ordered first by subinventory and locator, then by item, revision, and lot. Oracle Inventory assigns a unique sequence number to each count request that can be used for reporting, querying, and rapid count entry.

Because the count requests are derived from the state of on–hand balances at the time the Generate Cycle Count Requests process is run, you should wait to run it until you are ready to count. See: Generating Cycle Count Requests: page 12 – 23.

> **Note:** When you schedule an item to be counted using manual scheduling, some schedule requests may have overlapping count requirements. The count request generator does not create duplicate count requests, but instead cross–references one count request back to each associated schedule request.

Count Requests for Items with Zero Count

By default Inventory does not automatically generate requests to count items with an on–hand quantity of zero. To include such items:

- Define all sourcing details and inventory controls for the item. For example, if an item is under predefined locator control, be sure it is assigned to a subinventory and locator. See: Assigning Items to a Subinventory: page 5 – 130 or Assigning Subinventories to an Item: page 5 – 127.
- Select the *Generate Zero Counts* option when you define your cycle count.

The count request generation process then automatically creates a count request. If a quantity is found and counted, an adjustment is made.

At count entry, you may receive a warning message stating, ”Zero count, no adjustment performed.” Inventory generates this warning if it cannot find all levels of inventory control defined for the item. In this situation, enter the count, but no adjustment is performed. To make an adjustment and update the missing information, enter an unscheduled count using either the Cycle Count Entries or Approve Adjustments window.

Generating Cycle Count Requests

▶ **To submit a request set to perform a full cycle count:**

1. Navigate to Cycle Counts Summary folder window or the Cycle Counts window.
2. Choose Perform Full Cycle Count from the Tools menu. The set includes the following processes and report:
   - *Generate automatic schedule requests*: Enter parameters for cycle count to use and indicate whether to include control items.
   - *Generate cycle count requests*: Enter parameters for cycle count to use.
   - *Cycle count listing*: Enter parameters for cycle count to use, start and end dates, recounts, and subinventory to count.
3. Choose Submit.

▶ **To submit the program to generate cycle count requests:**

1. Navigate to Cycle Counts Summary window or the Cycle Counts window.
2. Choose Generate Count Requests from the Tools menu to submit the process to the concurrent manager.

See Also

Count Requests: page 12 – 22

Requesting the Cycle Count List: page 12 – 23

Requesting the Cycle Count List

After you generate count requests you can submit the request for the Cycle Count Listing report. This report lists all counts that you need to perform within a given date range.

▶ **To request a cycle count list:**

1. Navigate to Cycle Counts Summary folder window or the Cycle Counts window.

You can also navigate to the ABC and Counting Reports window to submit the listing. See: Cycle Count Listing: page 15 – 87.

2. Choose Cycle Count Listing Report from the Tools menu.
3. Enter start and end dates for the list. Inventory reports counts falling on the start date through the end date.
4. Enter the specific subinventory for which to report scheduled counts.
5. Indicate whether the cycle count list includes only recounts or scheduled counts and recounts.
6. Choose OK to submit the request to the concurrent manager.

See Also

Generating Cycle Count Requests: page 12 – 23

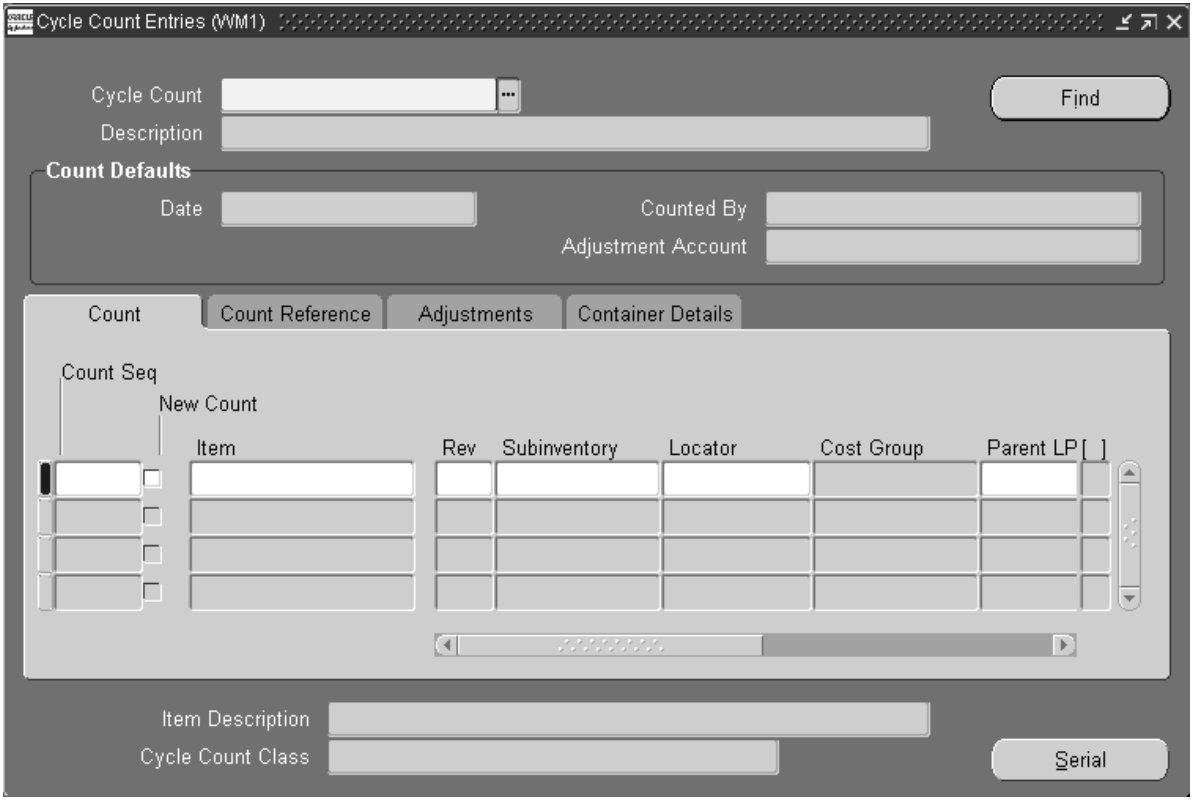
Entering Cycle Counts

You can use the same window to enter counts of items requested via automatic or manual cycle count scheduling. If unscheduled count entries are allowed for your cycle counts, you can enter those also.

Oracle Inventory automatically queries up all count requests for which you have not yet entered a count. You can use flexible search criteria to specify the group of count requests for which you want counts entered to speed up the count entry process. For example, you can specify a range of count request sequences assigned to one person so they can be entered in the same order they were printed on the count sheet.

▶ **To select the cycle count to use:**

1. Navigate to the Cycle Count Entries window from the menu or choose Counts from the Cycle Counts Summary folder window.



2. Enter the name of the cycle count for which to enter counts.

This information is provided if you navigate from the Cycle Counts Summary folder window, and the Find button is not available

3. Enter the date the cycle count was performed.
4. Enter the name of the employee who performed the cycle count.
5. Enter the general ledger account to which to charge adjustments from this cycle count. The default is the adjustment account you entered while defining your cycle count.

   Inventory performs a cycle count adjustment by creating a material transaction for the quantity and sign (plus or minus) of the adjustment. The transaction debits or credits the adjustment account depending on the direction of the transaction.
6. Display the count requests you want to enter.

   You can choose the Find button to query all open count requests. If you choose not to query all open requests, you can either:

   - Enter counts individually by entering existing sequence numbers. When you enter an existing sequence number the details for that request display. You only need to enter the quantity counted.
   - Use the find feature on the Query menu to query a subset of count requests matching the search criteria you enter. You can search by any combination of count sequences, item, revision, subinventory, locator, or lot. You can also indicate whether to include recounts.

▶ **To enter scheduled counts:**

1. Select the Count tabbed region.
2. Enter the quantity that you counted for your item. Inventory uses this quantity with the specified unit of measure to determine the value of the cycle count adjustment.
3. Save your work.

▶ **To enter unscheduled counts:**

1. Navigate to the Cycle Count Entries window from the menu.
2. Choose the Find button and select *No*. This enables you to enter items and counts manually.
3. Enter the item for which you are entering counts.

4. If your item is under revision control, enter the revision for which you are entering counts.
5. Enter the subinventory for which you are entering counts. You can enter only subinventories that track quantity on hand.
6. If this item is under locator control, enter the locator for which you are entering counts.
7. If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), enter the cost group of the material counted for this count entry.
8. If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), enter the Parent LPN in which the material counted resides. This is not populated automatically when the count is requested. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.
9. If the item is under lot control, enter the lot for which you are entering counts.
10. For serial control items, enter the serial number.

    If you specified *Multiple Per Reques*t as the Count option and *Quantity and Serial Numbers* as the Detail option in the Cycle Counts window, you must enter serial number information in the Cycle Count Serial Number Details window as described in the next task below. If you selected *Quantity Only* as the Detail option, you must use the Cycle Count Serial Number Details window only if there is a quantity mismatch.
11. Enter the unit of measure that you used to count your item. Inventory displays the primary unit of measure for the item as the default.
12. Enter the quantity that you counted for your item. Inventory uses this quantity with the specified unit of measure to determine the value of the cycle count adjustment.

Attention: You may receive a warning message stating, "Zero count, no adjustment performed." You can and should enter the quantity for reporting purposes, but no adjustment to on–hand quantity is performed. To make the adjustment enter an unscheduled count using either this window or the Count Adjustment Approvals Summary window. See: Count Requests for Items with Zero Count: page 12 – 22.

13. Save your work.

▶ **To enter serial number detail information:**

1. Select the Serial button to open the Cycle Count Serial Number Details window.

   If you specified *Multiple Per Request* as the Count option and *Quantity and Serial Numbers* as the Detail option in the Cycle Counts window, you must use this window to enter serial detail information. You must also use this window if you selected *Quantity Only* as the Detail option and there is a quantity mismatch.

   This window displays the serial numbers on hand for the current count sequence from the Cycle Count Entries window, with checkboxes to indicate whether the serial number is present in this count and present in the system. You can use the All Present and All Missing buttons to set the Present checkboxes globally, or you can check or uncheck the Present checkboxes. You also can enter additional serial numbers, but the total number of serial numbers checked present must equal the count quantity.

   The Cancel button clears all your entries in this window and returns you to the Cycle Count Entries window.

2. When you have completed your entries, select the Done button to record your entries and return to the Cycle Count Entries window.

▶ **To enter optional count reference information:**

1. Select the Count Reference tabbed region.
2. Enter a transaction reason for the cycle count transaction. See: Defining Transaction Reasons: page 6 – 22.
3. Enter any further reference details pertaining to this count record.
4. Enter the name of the employee who performed the cycle count, if it is different from the one entered in the Count Defaults region.
5. Enter the date and time the cycle count was performed, if it is different from the one entered in the Count Defaults region.

▶ **To view current item adjustment information:**

1. Select the Adjustments tabbed region.
2. View information for UOM, count quantity, system quantity, variance quantity, variance value, and variance percentage.

This region is available only if you turned the *Display System Quantity* option on when you defined your cycle count header. The System Quantity field displays the quantity on hand, and the Variance Qty field displays the proposed adjustment quantity based on the actual count quantity you enter. If you choose not to display system quantities, you enter and save your counts not knowing whether you are generating any adjustments, and if so, whether the counts are out of tolerance.

▶ **To enter optional container information:**

If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), the Container Details tab will display.

1. Select the Container Details tabbed region.
2. View information for item, Parent LPN, Outermost LPN, Container Item, Revision, Cost Group, Lot Number, and Serial Number.
3. Enter the Outermost LPN in which the material counted resides. This is not populated automatically when the count is requested. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

Entering Preapproved Counts

▶ **To enter preapproved counts:**

1. Navigate to the Cycle Counts Summary folder window.
2. Choose Enter Preapproved Counts from the Tools menu.

   Since this functionality overrides the approval process it is usually available only to managers and employees with a certain function security. See: .Overview of Function Security: page NO TAG.
3. In the Preapproved Count Entries window, query or enter the count information.

   The counts you enter are automatically approved without regard to adjustment tolerances or defaults set for the cycle count. Adjustments are made if applicable.

See Also

Approving Cycle Count Adjustments: page 12 – 35

Approval Options and Tolerances

Approval Tolerances

Oracle Inventory supports two types of cycle count approval tolerances. For each type, you can specify a positive and a negative limit. When a particular cycle count entry results in an adjustment that exceeds any one of these limits, you have a cycle count adjustment that exceeds approval tolerances. Based on the approval option you choose when you define your cycle count, this adjustment is either posted automatically or held for approval.

Quantity Variance Tolerance

The quantity variance tolerance is a user–defined limit for the difference between the actual cycle count quantity and the system tracked on–hand quantity. You express positive and negative quantity variance tolerances as percentages of the system on–hand quantity.

You enter these percentages when you define your:

- cycle count header, see: Defining and Maintaining a Cycle Count: page 12 – 7
- cycle count classes, see: Defining Cycle Count Classes: page 12 – 13
- cycle count items, see: Defining Cycle Count Items: page 12 – 16

Inventory uses any percentages you define at the cycle count item level first. If you do not have any defined for an item, it uses the tolerances defined for that item's cycle count class. If you do not have any defined for the class, it uses the tolerances at the cycle count header level. If you have no tolerances defined for the header, Inventory assumes that there is no limit to the approval tolerance.

Adjustment Value Tolerance

The adjustment value tolerance is a user–defined limit for the total value of a cycle count adjustment. The adjustment value is calculated as:

$$\text{adj value} = (\text{count qty} - \text{system on–hand qty}) \times \text{current item cost}$$

The adjustment value tolerance is expressed as positive and negative amounts in your functional currency. An adjustment value is out of tolerance if it falls outside of these amounts.

You enter these tolerances when you define your cycle count header and cycle count classes. Inventory uses the values you define at the cycle count class level first. If you do not have any defined for an item's class, it uses the values at the cycle count header level. If you have no tolerances defined for the header, Inventory assumes that there is no limit to the approval tolerance.

Examples of Quantity Variance and Adjustment Value Tolerances

The following table shows possible values for quantity variance and adjustment value tolerances for an item in a cycle count:

Item Attributes	Value
Item Standard Cost	$10.00
Positive Quantity Variance Tolerance	5%
Negative Quantity Variance Tolerance	10%
Positive Adjustment Value Tolerance	$200
Negative Adjustment Value Tolerance	$250

The following table shows four different count scenarios for the same item and the tolerances that each different scenario violates:

System on–hand quantity	Count Quantity	Quantity Variance	Adjustment Quantity	Adjustment Value	Tolerance Exceeded
100	106	+6%	+6	+$60	Positive Quantity Variance
100	88	–12%	–12	–$120	Negative Quantity Variance
100	122	+22%	+22	+$220	Positive Quantity Variance and Positive Adjustment Value
100	73	–27%	–27	–$270	Negative Quantity Variance and Negative Adjustment Value

Hit/Miss Tolerances

The hit / miss tolerance is similar to the quantity variance tolerance in that it is also a user–defined limit for the difference between the system tracked on–hand quantity and the actual cycle count quantity. You express positive and negative hit / miss tolerances as percentages of the system on–hand quantity. A count is considered a ”hit” if it is within these tolerances, and a ”miss” if it is outside them. The hit / miss tolerance is used to evaluate the accuracy of your cycle counting procedures rather that the actually accuracy of inventory.

You enter hit / miss tolerance percentages when you define your cycle count header and when you define your cycle count classes. Inventory uses the percentages you define at the cycle count class level first. If you do not have any defined for an item’s class, it uses the tolerances at the cycle count header level. If you have no tolerances defined for the header, Inventory assumes that there is no limit to the hit / miss tolerance, and all variances are therefore ”hits” regardless of the size.

Inventory uses these tolerances to generate the Cycle Count Hit / Miss Analysis report. See: Cycle Count Hit / Miss Analysis: page 15 – 86.

Measurement Errors

Negative and positive measurement errors are also user–defined limits for the difference between the cycle count quantity and the system tracked on–hand quantity. Inventory does not make any adjustments to an item whose cycle count quantity differs from the system tracked on–hand quantity by less than the measurement error. Because of this, measurement errors implicitly override any approval tolerances you specify.

You specify measurement errors when you define or update an item. Use measurement errors with extreme caution since they actually prevent cycle count adjustments from taking place. You would typically use this feature on an exception basis for items you cannot accurately count. For example, if you visually check the level of bolts in a bin to estimate the quantity, or you use their weight to approximate the quantity, you might want to allow for measurement errors. Therefore, if your system tracked on–hand quantity for the bolts in that bin is within an acceptable range, you do not perform a cycle count adjustment. See: Inventory Attribute Group: page 5 – 43.

See Also

Defining and Maintaining a Cycle Count: page 12 – 7

Defining Cycle Count Classes: page 12 – 13
Count Adjustments and Approvals: page 12 – 35

Count Adjustments and Approvals

Once you enter and save your cycle counts, Oracle Inventory determines whether any adjustments need to be made depending on the approval options and tolerances you set when you defined the cycle count. See: Approval Options and Tolerances: page 12 – 31.

Automatic Recounts

If you turned the Automatic Recount option on when you defined your cycle count, Inventory automatically submits recount requests for items that are outside the limits of the approval tolerances you specify. Inventory submits recounts as many times as necessary, limited by the maximum automatic recounts you specify for the cycle count. After you reach the maximum number of recounts, Inventory holds the count for approval. Any count request with the *Recount* status automatically appears on the next cycle count listing.

You can also manually request recounts when you are approving adjustments. The count request for which you want a recount is also automatically included in the next cycle count listing.

Attention: When generating the cycle count listing, you must include a from date far enough back to include the recount's original count date, or it is not on the report.

Approving Cycle Counts Held for Approval

Employees with access to the Count Adjustments Approvals Summary window can query, request the recount of, or approve cycle counts pending approval. When you select the Find button, you can query all counts or only those pending approval. You can then approve adjustments, recount an item in question, reject the count or take no action until further investigation.

See Also

Approving Cycle Count Adjustments: page 12 – 35

Approving Cycle Count Adjustments

Use the Count Adjustment Approvals Summary window to approve cycle count adjustments held for approval, to recount an item, or to

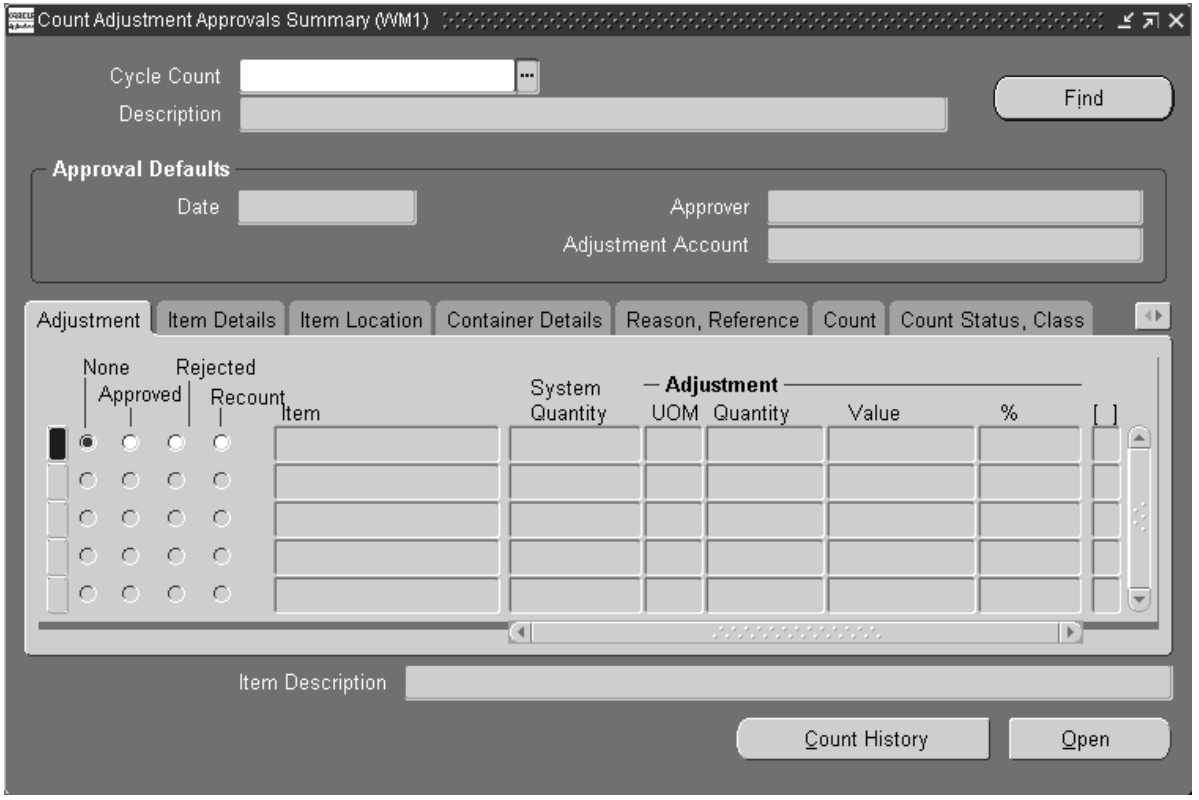
reject the adjustment. Inventory determines which counts need approval by using the approval tolerances you enter while defining your cycle count.

You can use flexible search criteria to specify the cycle count adjustments you want to review or approve.

Selecting Information to Review or Approve

▶ **To select the cycle count for which to approve adjustments:**

1. Navigate to the Count Adjustment Approvals Summary window by selecting Approve Counts on the menu, or by choosing the Approvals button in the Cycle Counts Summary folder window.



2. Enter the name of the cycle count for which to approve or enter counts.

This information is provided if you navigate from the Cycle Counts Summary folder window.

3. Optionally change information in the Approval Defaults region. Inventory provides default values for the Date, Approver, and the Adjustment Account that will be used when you later enter approval actions and adjustments.

4. Query item information for the selected count:

   If you navigated from the menu, select the Find button to query records. You are prompted to either query all records or query only counts pending approval.

   If you have navigated from the Cycle Counts Summary folder window, you can use the Find feature on the Query menu to open the Find Approvals window, where you can query a subset of counts matching the search criteria you enter. You can search by any combination of count sequences, item, revision, subinventory, locator, or lot. You can also search for counts with a particular status including uncounted, pending approval, recount, rejected, or completed.

Viewing Cycle Count Information

You can view a variety of current item information to help determine whether to approve an adjustment. Select from the following tabbed regions:

- *Adjustment*: View information for the count adjustment UOM, variance quantity, variance value, variance percentage, and system quantity.
- *Item Details*: View information for revision, lot, serial number, unit of measure, and adjustment quantity.
- *Item Location*: View information for subinventory, locator, unit of measure, adjustment quantity, and if you have Oracle Warehouse Management installed, cost group and parent LPN. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.
- *Container Details*. If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), the Container Details tab will display. View information for parent LPN (LPN in which counted material resides), outermost LPN (outermost LPN in which counted material resides), container item, revision, cost group, lot, and serial

number. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

- *Reason, Reference*: View or update the transaction reason and reference information. You can also view the unit of measure and adjustment quantity.
- *Count*: View information for UOM, count quantity, counter, and count date.
- *Count Status, Class*: View information for the sequence number, count status, and cycle count class.
- *Approval*: View information for date approved and approver.

Approval Actions and Adjustments

For items appearing in the Approval Actions, Adjustments region, you can approve, request a recount, or reject cycle count entries that are pending approval. You can also approve or reject any count for which a recount has already been requested. You can reject any cycle count request that has not yet been counted. Finally, you can display count history information or open the Count Adjustment Approvals window.

▶ **To approve a count check:**

- Select Approved to approve the selected count entry and post the adjustment to the transaction manager for processing.

▶ **To reject a count check:**

- Select Rejected to reject the selected count record. An adjustment is not posted. No further processing of this count entry takes place.

▶ **To request a recount check:**

- Select Recount to process a recount request for the selected count request. An adjustment is not posted.

▶ **To display count history information:**

- Select the Count History button to open the Count History window for the current item. For the current item, this window displays count and variance information for the current, prior, and first counts.

▶ **To open the Count Adjustment Approvals window:**

- Select the Open button to open the Count Adjustment Approvals window for the current line. This window is a combination block which you can use to view and enter approval and adjustment information for the current line instead of using the Count Adjustment Approvals Summary window.

See Also

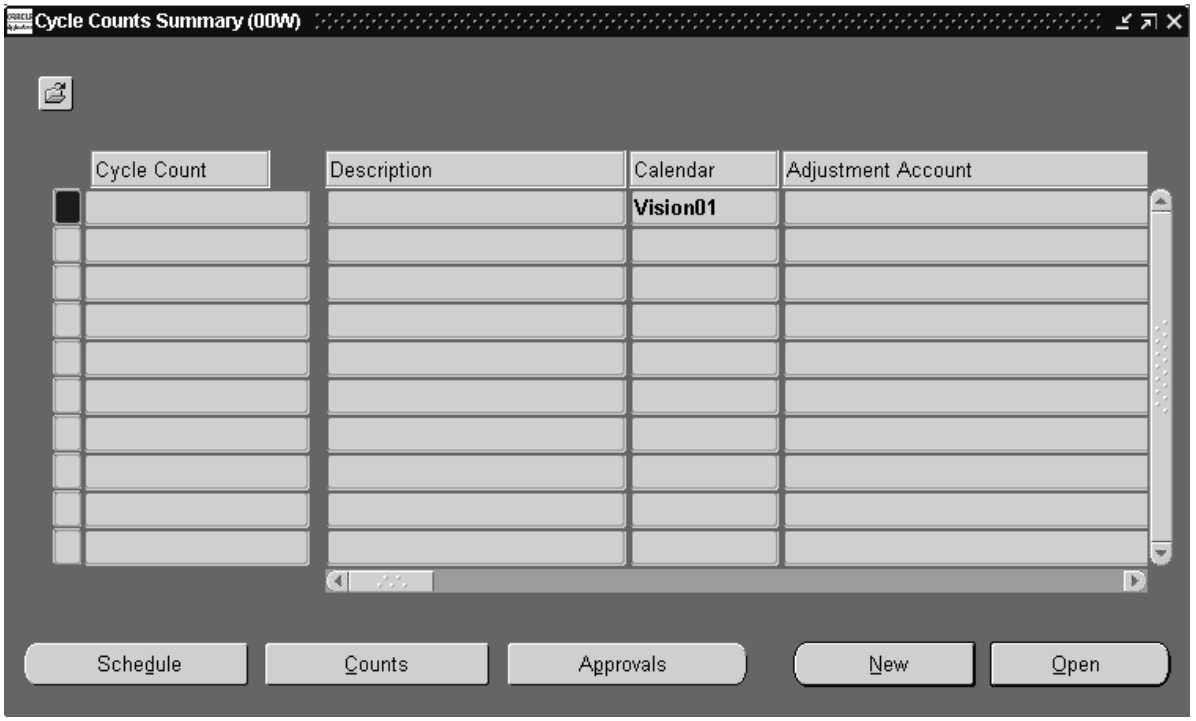
Count Adjustments and Approvals: page 12 – 35

Searching for Information, *Oracle Applications User's Guide*

Purging Cycle Count Information

▶ **To purge cycle count information:**

1. Navigate to the Cycle Counts Summary folder window.



2. Select a cycle count.
3. Choose Purge Cycle Count from the Tools menu. The Purge Cycle Count Parameters window appears.
4. Indicate whether this is a full cycle count purge including the header, cycle count items, schedule requests, and count requests, or this is a historical cycle count purge of schedule requests and count requests on or before the historical purge date.
5. Enter the date for the purge. Oracle Inventory deletes schedule requests and count requests on or before this date.
6. Choose OK to submit the request to the concurrent manager.

Cycle Count Open Interface

You can import cycle count entries from external systems into Oracle Inventory using the Cycle Count Entries Open Interface. You can also export cycle count requests with this interface to external systems.

See Also

Importing Items: page 5 – 110

Open Item Interface: page 5 – 108

Import Cycle Count Entries from Open Interface Report: page 15 – 106

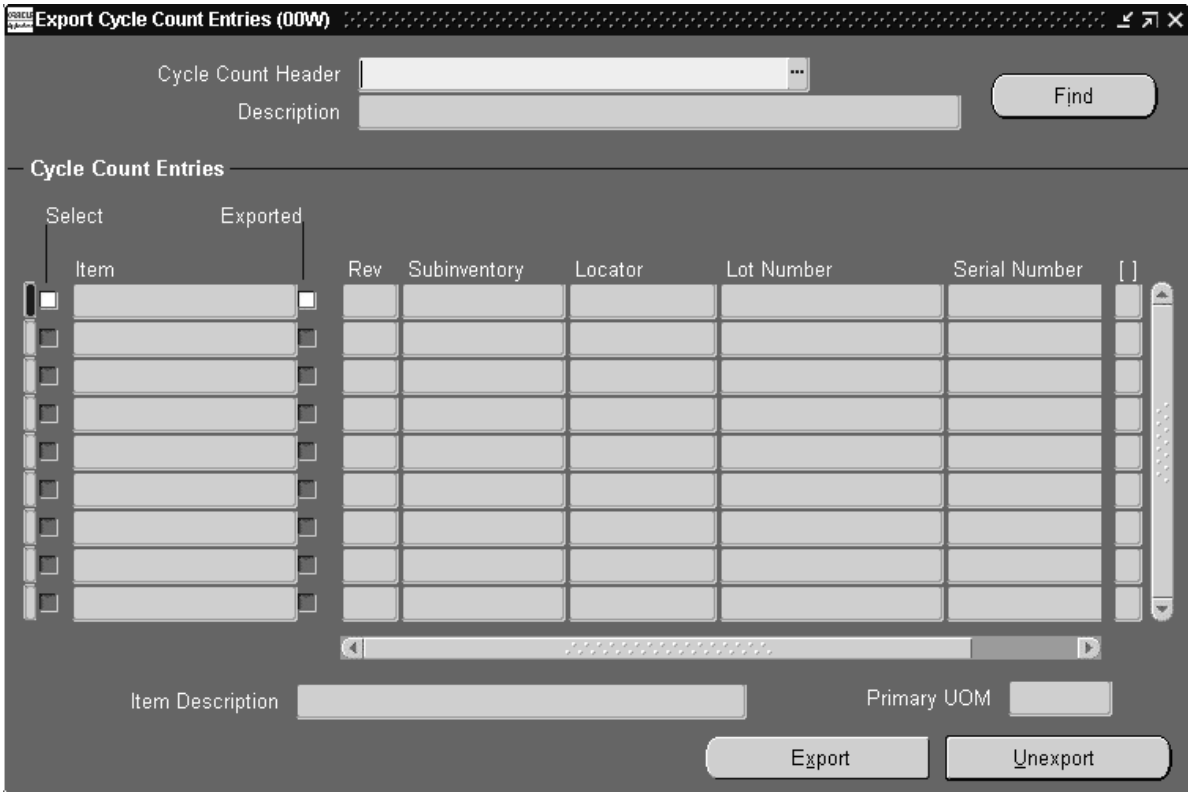
Purge Cycle Count Entries Open Interface Data Report: page 15 – 105

Print Cycle Count Entries Open Interface Data Report: page 15 – 103

Exporting Cycle Count Entries

▶ **To export cycle count entries:**

1. Navigate to the Export Cycle Count Entries window.



2. Select a cycle count header.
3. Choose Find.

   The window displays all cycle count entries that belong to the selected cycle count header.
4. Select the records you want to export or choose Select All from the Tools menu to select all the records.
5. Choose Export to export cycle count entries to the open interface.

▶ **To unexport a cycle count entry:**

1. Select the record you want to unexport.
2. Choose Unexport.

Inquiring/Updating Cycle Count Entries

▶ **To inquire about or update cycle count entries:**

1. Navigate to the Inquiry / Update Cycle Count Entries Open Interface window. The Find Interface Cycle Count Entries window appears.

2. Enter search criteria to query cycle count entries for which you want to view or update cycle count entry information. Choose Find to start the search and display the information in the Inquiry / Update Cycle Count Entries Open Interface window.
3. In the Processing tabbed region, view or update the following information:

   Item: The item number.

   Action: Choose one of the following options:

   Validate: Validate cycle count header, sequence, and org ID. Choose this option only if you use the open interface API.

Create: Create an unscheduled cycle count entry.

Simulate: Simulate the open interface process without committing the entry. This option displays errors found during processing.

Process: Process the entry.

Status:

Incomplete: The open interface process is incomplete.

Process completed: The open interface process is complete.

Simulated: The entry was processed but not committed.

Group ID: The identification number for entries submitted in batch mode.

Interface ID: The interface table identification number.

Header ID: The cycle count header identification number.

Cycle Count Header: The name of the cycle count header.

Entry ID: The cycle count entry identification number.

Process Mode: Choose one of the following options:

Online: Process open interface online.

Background: Process open interface in the background.

Request ID: The concurrent request identification number generated during background processing.

Process Status:

Ready: The entry is ready for processing.

Not Ready: The entry is not ready for processing.

Note: This field is not updatable.

Valid Status:

Yes: The entry is valid.

No: The entry has errors and is not valid.

Note: This field is not updatable.

Lock Status:

Yes: The entry is locked by another user.

No: The entry is not locked by another user.

Note: This field is not updatable.

4. In the Count tabbed region, view or update the following information:

   Sequence: The cycle count sequence. This field is not updatable.

   Count Qty: The count quantity.

   UOM: The unit of measure

   Count Date: The cycle count date.

   Counter: The name of the employee who performed the cycle count.

   Reference: Reference information about the cycle count.

   Reason: The transaction reason.

   Interface ID: The interface table ID number. This field is not updatable.

5. In the Item Stocking tabbed region, view the following information:

   Rev: The revision number (if the item is under revision control).

   Subinventory: The subinventory.

   Locator: The locator (if the item is under locator control).

   Lot Number: The lot number (if the item is under lot control).

   Serial Number: The serial number (if the item is under serial control).

   Adjustment Account: The general ledger account charged for the cycle count.

   Interface ID: The interface table identification number.

6. Save your work.

▶ **To delete cycle count entries:**

1. Select the cycle count entries you want to delete.
2. Choose Delete.

▶ **To submit cycle count entries to the open interface:**

1. Select the cycle count entries you want to submit to the open interface.
2. Choose Submit.

▶ **To view errors for an entry:**

1. Select a cycle count entry.
2. Choose Errors.

▶ **To open cycle count entry header information:**

1. Select a cycle count entry.
2. Choose Open.

Cycle Count Reports

You can use a number of reports to help you during the process of cycle counting and to analyze and report the results of cycle count transactions. You can submit a concurrent request for these reports from the Tools menu in most of the cycle counting windows as well as from the Submit Requests window.

Cycle Count Schedule Requests Report

This report shows all schedule requests for a specified time period. It includes both manually and automatically scheduled items. See: Cycle Count Schedule Requests Report: page 15 – 107.

Cycle Count Listing

This report lists all of the items currently due for cycle counting, including their revision, lot number, subinventory and locator information. You can use this report as the document you give to the employees performing the cycle counts. Since the report leaves a blank line for the counter's name, the count date, and the actual count quantity, the counter can use this listing to write down and report his cycle count results. See: Cycle Count Listing: page 15 – 87.

Cycle Count Open Requests Listing

This report shows count requests where no counts have been entered, or count entries where you have requested a recount. You can optionally report on late counts, where no counts have been entered and the due date for the count entry is before the date of the report. See: Cycle Count Open Requests Listing: page 15 – 94.

Cycle Count Unscheduled Items Report

This report shows those items that are currently not scheduled to be counted and were last scheduled a period of time in the past that is longer than expected, as dictated by the count frequency of the class to which the item belongs. For example, if item XYZ belongs to class A, and you count class A 52 times a year, you would expect item XYZ to be scheduled once a week. If item XYZ was last scheduled two weeks before the date you run the Cycle Count Unscheduled Items Report, it appears on the report.

You primarily use this report as an auditing tool. If you correctly set up your scheduling and counting, and are always current in your count, Oracle Inventory should not find any unscheduled items to report. However, if you do not run the auto scheduler as frequently as it needs to run, or if concurrent manager problems prevent its

execution, you may fall behind in your count schedules. See: Cycle Count Unscheduled Items Report: page 15 – 95.

Cycle Counts Pending Approval Report

This report shows those counts that were entered and are currently pending approval. The supervisor with the authority to approve cycle count adjustments would typically run this report regularly to monitor the approval queue. See: Cycle Counts Pending Approval Report: page 15 – 96.

Cycle Count Entries and Adjustments Report

This report shows all cycle count entries for a specified time period. It analyzes the number of cycle count transactions you make against an item, and the number of units you actually adjust. The report also calculates the value, in your functional currency, of the adjustments to inventory. See: Cycle Count Entries and Adjustments Report: page 15 – 85.

Cycle Count Hit/Miss Analysis

This report shows, for each cycle count class, the total number of count entries and the number of counts outside the limits of the user–specified hit / miss tolerances. The report also calculates the overall accuracy percentages broken down by cycle count class and subinventory. This report is based on the first count only, not recounts. See: Cycle Count Hit / Miss Analysis: page 15 – 86.

Import Cycle Count Entries from Open Interface

This process allows you to import cycle count entries open interface records into the database.

Purge Cycle Count Entries Open Interface Data

This process allows you to purge all cycle count entries from the open interface.

Print Cycle Count Entries Open Interface Data

This process allows you to print cycle count entries open interface data.

See Also

Submitting a Request, *Oracle Applications User's Guide*

CHAPTER

13 Physical Inventory

Overview of Physical Inventory

Oracle Inventory provides a fully automated physical inventory feature that you can use to reconcile system–maintained item on–hand balances with actual counts of inventory. Accurate system on–hand quantities are essential for managing supply and demand, maintaining high service levels, and planning production.

Steps Involved

- Define a physical inventory for your whole warehouse or subdivisions within your warehouse. See: Defining a Physical Inventory: page 13 – 3.
- Take a snapshot of system on–hand quantities. You must procedurally coordinate the snapshot of your physical inventory with your actual counting, and ensure that no transaction activity occurs in a particular location until after you have performed your adjustments. See: Taking a Snapshot of Inventory Quantities: page 13 – 5.
- Generate alphanumeric tags. See: Generating Physical Inventory Tags: page 13 – 7.
- Void unused or lost tags. See: Entering and Voiding Physical Inventory Tag Counts: page 13 – 11.
- Approve or reject physical inventory adjustments based on approval tolerances. See: Approving Physical Inventory Adjustments: page 13 – 15.
- Automatically post adjustments to inventory balances and general ledger accounts. See: Processing Physical Inventory Adjustments: page 13 – 18.
- Purge physical inventory information. See: Purging Physical Inventory Information: page 13 – 20.

See Also

Physical Inventory Tags: page 13 – 7

Physical Inventory Counts: page 13 – 10

Approval Tolerances: page 13 – 15

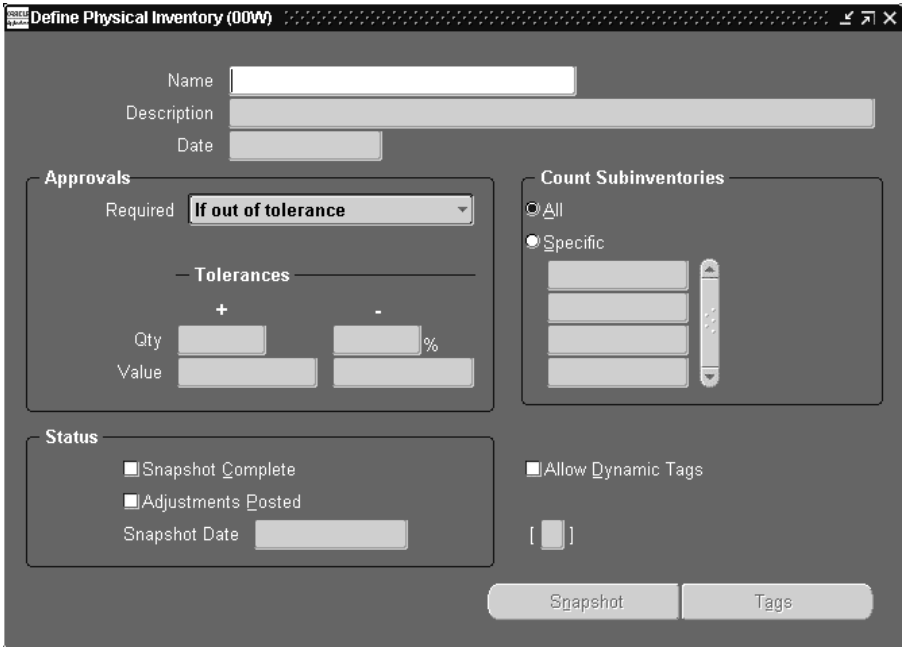
Defining a Physical Inventory

You can define and maintain an unlimited number of physical inventories in Oracle Inventory. A physical inventory is identified by a unique name you assign. You use this name to identify any activity, such as adjustments, pertaining to this physical inventory.

You can define multiple physical inventories to count selected portions of your inventory, or you can count your total inventory. For example, if your warehouse has two large stockrooms, each represented by a subinventory, you can define two physical inventories, one for each subinventory. You can then perform your physical inventory of the first stockroom, independent of the second.

▶ **To define a physical inventory:**

1. Navigate to the Physical Inventories Summary folder window and choose New. The Define Physical Inventory window appears.



2. Enter a unique physical inventory name.
3. Select approval requirements for adjustments.

   Always: Require approval of all physical inventory adjustments.

If out of tolerance: Hold for approval those counts that are outside the limits of the positive and negative quantity variance or value tolerances.

Never: Allow any adjustment to post without approval.

4. Enter positive and negative approval tolerances (see: Approval Tolerances: page 13 – 15).

   If approval is required for adjustments out of tolerance you must enter a value in at least one of these fields. You cannot update these values after you perform physical inventory adjustments.

   Qty: Enter acceptable Positive and Negative limits (expressed as a percentage) for the difference between the system–tracked on–hand quantity and the actual tag count quantity.

   Value: Enter acceptable Positive and Negative limits for the total value of a physical inventory adjustment.

5. Select the scope of the physical inventory.

   Determines whether the physical inventory is for all subinventories or for one or more specific subinventories. Only enter a quantity tracked subinventory.

6. Indicate whether to allow dynamic entry of tags.

   Determines whether you can dynamically enter tags you manually created. If you choose not to allow dynamic tag entry all tags must generated before use. See: Generating Physical Inventory Tags: page 13 – 7.

   If you do not want to allow dynamic tag entry but you need blank tags, you can generate numbered blank tags for counting miscellaneous items. See: Physical Inventory Tags: page 13 – 7.

7. Save your work.

▶ **To take a snapshot of the system on–hand quantities:**

1. Choose the Snapshot button.

   This step must be completed before you can generate tags. After taking a snapshot you can no longer update header information for this physical inventory. See: Taking a Snapshot of Inventory Quantities: page 13 – 5.

   The Status fields are display only. If the Snapshot is complete, details are listed here and all other fields cannot be updated.

See Also

Overview of Physical Inventory: page 13 – 2

Generating Physical Inventory Tags: page 13 – 7

Customizing the Presentation of Data in a Folder, *Oracle Applications User's Guide*

Taking a Snapshot of Inventory Quantities

Before you can generate tags for a physical inventory, you must take a snapshot of all system on–hand quantities for your items. The snapshot saves all current item on–hand quantities and costs. Oracle Inventory uses this information as the basis for all physical inventory adjustments. All tag counts you enter for this physical inventory are compared with these static quantities. This allows you to resume normal inventory operations after you have entered your counts but before you have authorized all final physical inventory adjustments. You can perform your recounts or investigate certain results without holding up transaction processing.

Attention: Oracle Inventory does not stop inventory processing during a physical inventory. Therefore, you must procedurally coordinate the snapshot of your physical inventory with your actual counting, and ensure that no transaction activity occurs in a particular location until after you have performed your adjustments.

Attention: It is recommended to clear the Pending Transactions and Transactions Open Interface, before taking a snapshot of inventory qua

For example, suppose that at the start of your physical inventory the system on–hand quantity for item WIDGET in a particular bin is 30. Oracle Inventory saves this information with the physical inventory snapshot. During the warehouse count, you count a total of 25 units of item WIDGET in the same bin. Before you approve your counts and perform your adjustments, you resume normal transaction operations, and consequently, item WIDGET reaches a system on–hand quantity of 45. At this point, you perform your physical inventory adjustments. Oracle Inventory computes the adjustment as the difference between the tag count and the snapshot quantity, NOT the current system quantity of the item that has now reached 45. So in this case, the adjustment is 25 – 30 = –5 units. When the adjustment is posted, the new system on–hand quantity becomes 40 units.

▶ **To freeze the system on–hand quantities:**

1. Navigate to the Physical Inventories Summary folder window.
2. Select the physical inventory you want to use.
3. Choose Perform snapshot from the Tools menu. This launches the snapshot concurrent process.

   Note: You can also choose Snapshot from the Define Physical Inventory window. See: Defining a Physical Inventory: page 13 – 3.
4. When the concurrent process is finished, re–query the physical inventory to see the effects of the snapshot. The effects include:
   - The Snapshot Complete box is checked on the Physical Inventories Summary folder window.
   - The Snapshot Complete box is checked, the Snapshot Date is updated, and the Tags button is enabled in the Define Physical Inventory window.

See Also

Overview of Physical Inventory: page 13 – 2

Generating Physical Inventory Tags: page 13 – 7

Physical Inventory Tags Overview

Oracle Inventory can generate default or blank tags for your physical inventory. If you choose to generate default tags for each item, specify the starting tag number and the increment by which you want to increase each digit in the tag number. Your tag numbers may be alphanumeric, but you can increment only the numeric portion. The alphabetic characters in the tag number stay constant. Inventory then uses these tag numbers to generate a tag for every unique combination of item number, revision, subinventory, locator, lot, and serial number for which the system has an on–hand quantity not equal to zero.

If you want to have some empty tags handy to record counts for stock–keeping units for which Inventory has no on–hand quantity (and therefore does not generate default tags), you can generate blank tags. Inventory assigns tag numbers to blank tags, but does not include any item or location detail. You specify this information when you enter your tag counts. You can generate as many blank tags as you want.

You can also exclusively use blank tags to perform a physical inventory. If you need to perform a complete wall–to–wall physical inventory, you can go through your warehouse and attach blank tags to every item and / or location you see. As you perform the count, you record the item and stock–keeping unit information along with the actual on–hand quantity.

See Also

Overview of Physical Inventory: page 13 – 2

Generating Physical Inventory Tags: page 13 – 7

Generating Physical Inventory Tags

You use physical inventory tags to record the physical counts of inventory items. Physical inventory tags represent actual hard copy tags that some companies use to count inventory items. A tag contains the count for a group of a given item. Although you can record only one item on a tag, multiple tags can reference the same item, with each tag referring to a unique physical location for an item.

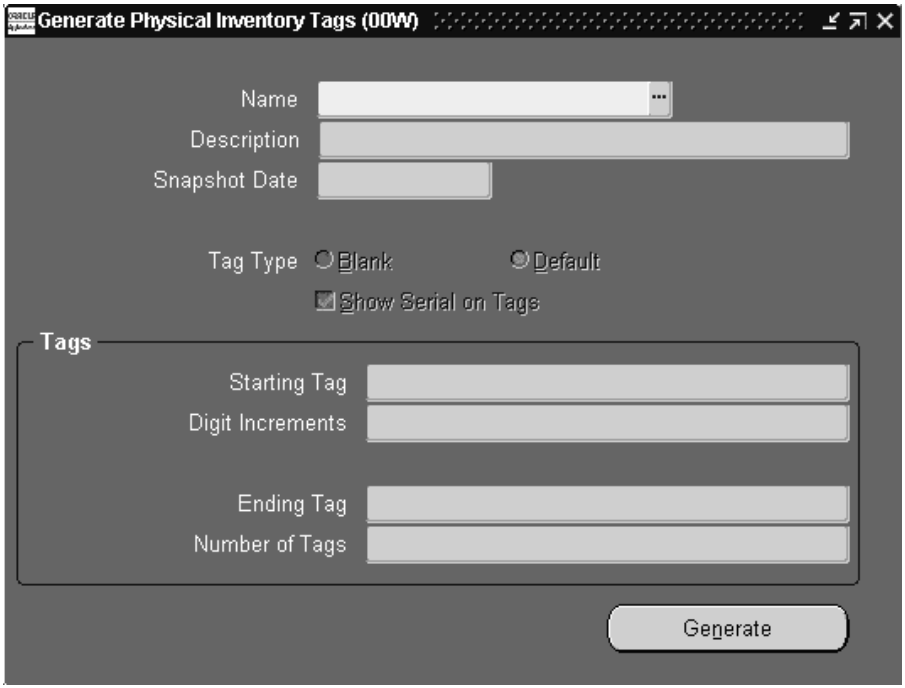
Prerequisites

- ❑ Define and freeze a physical inventory. See: Defining a Physical Inventory: page 13 – 3.

▶ **To generate tags:**

1. Navigate to the Generate Physical Inventory Tags window.

   You can also choose a physical inventory from the Physical Inventories Summary window and choose Generate tags from the Tools menu or you can choose the Tags button from the Define Physical Inventory window.



2. Enter the name of the physical inventory.
3. Select the type of tag to create.

   Blank tags contain no item information. Generating default tags creates a unique tag for every combination of item number, subinventory, revision, locator, lot, and serial number that exists in the subinventories for the selected physical inventory.

4. Indicate whether you want to show serial numbers on the physical inventory tags.

If you choose not to show serial numbers on the tags, you get a tag for each item but you have to match the serial numbers to the items manually.

You can enter a value in this field only if you selected *Default* tags in the Tag Type field.

5. Enter the starting tag number.

   Tag numbers may be alphanumeric, but you can increment only the numeric portion.

Attention: When entering a starting tag number be sure that it contains the total number of possible digits that a tag can have. For example, if your tag numbers can have up to five digits and you want the starting number to be 1, you would enter 00001.

6. Enter the amount by which each digit in the tag number can increase (Digit Increments).

   For example, if the starting tag number is A001 and you enter 0112 in this field, then Inventory generates the following tag numbers: A001, A003. A005, A007, A009, A011, and so on, up to A999. If you enter 0111 in this field, Inventory generates tags A001, A002, A003, A004, A005, A006, A007, A008, A009, A010, A011, etc.

7. Enter the ending tag number.

   Inventory calculates this value for you if you selected *Default* tags in the Tag Type field.

8. Enter the number of tags.

   Inventory calculates this value for you if you selected *Default* tags in the Tag Type field.

9. Choose the Generate button to create the tag numbers and information. Note that this process does not physically print the tags.

▶ **To physically print the tags:**

- Use the Physical Inventory Tags report to print tags you have generated. See: Physical Inventory Tags: page 15 – 97..

See Also

Physical Inventory Tags Overview: page 13 – 7

Defining a Physical Inventory: page 13 – 3

Overview of Physical Inventory: page 13 – 2

Physical Inventory Counts

Use the tags that you generated to record your physical counts. If you use default tags for your physical inventory, you can automatically query all tags and fill in the counts. You can also query a subset of your tags by any combination of tag number, item, revision, subinventory, locator, lot, and serial number. You would use this partial tag query feature if you prefer to enter your counts by location or item, or for a particular tag number range.

If you use any blank tags in your physical inventory, you can query up the tags by tag number. You can then enter the necessary item, revision, subinventory, locator, lot, and serial number information, as well as the actual count quantity and the name of the employee who performed the count.

If you enable dynamic tag entry for your physical inventory, you can enter counts for any item and stock–keeping unit combination without a pre–generated tag number.

Oracle Inventory uses the counts you enter for your tags to determine if your items need quantity adjustments; and if so, whether you need to approve them. If you set your approval option for your physical inventory to *Not required for adjustments*, you are ready to process your adjustments.

If you set your approval option to *Required for adjustments out of tolerance*, Oracle Inventory holds for approval all tags with counts that are outside the limits of the quantity variance or adjustment value tolerances.

If you set your approval option to *Required for all adjustments*, Oracle Inventory holds all counts for approval.

Void Tags

It is important for auditing purposes to track the status of each physical inventory tag. Therefore, if you do not use one or more of the tags Oracle Inventory generates, you should void them in the Physical Inventory Tag Counts window. A voided tag is not reported as a missing tag in the Physical Inventory Missing Tag Listing.

If you generated a certain number of blank tags at the beginning of your physical inventory, and ended up not using all of them, you would void the unused tags. When you run the Physical Inventory Missing Tag Listing for the whole range of tags you initially generated, the unused ones are accounted for and appear as voided tags.

If you void a default tag, (i.e. a tag that identifies a stock–keeping unit for which there is system on–hand quantity), Oracle Inventory adjusts the quantity in that location to zero. This indicates that you did not use the tag in question, presumably because the stock–keeping unit corresponding to the tag did not exist.

See Also

Overview of Physical Inventory: page 13 – 2

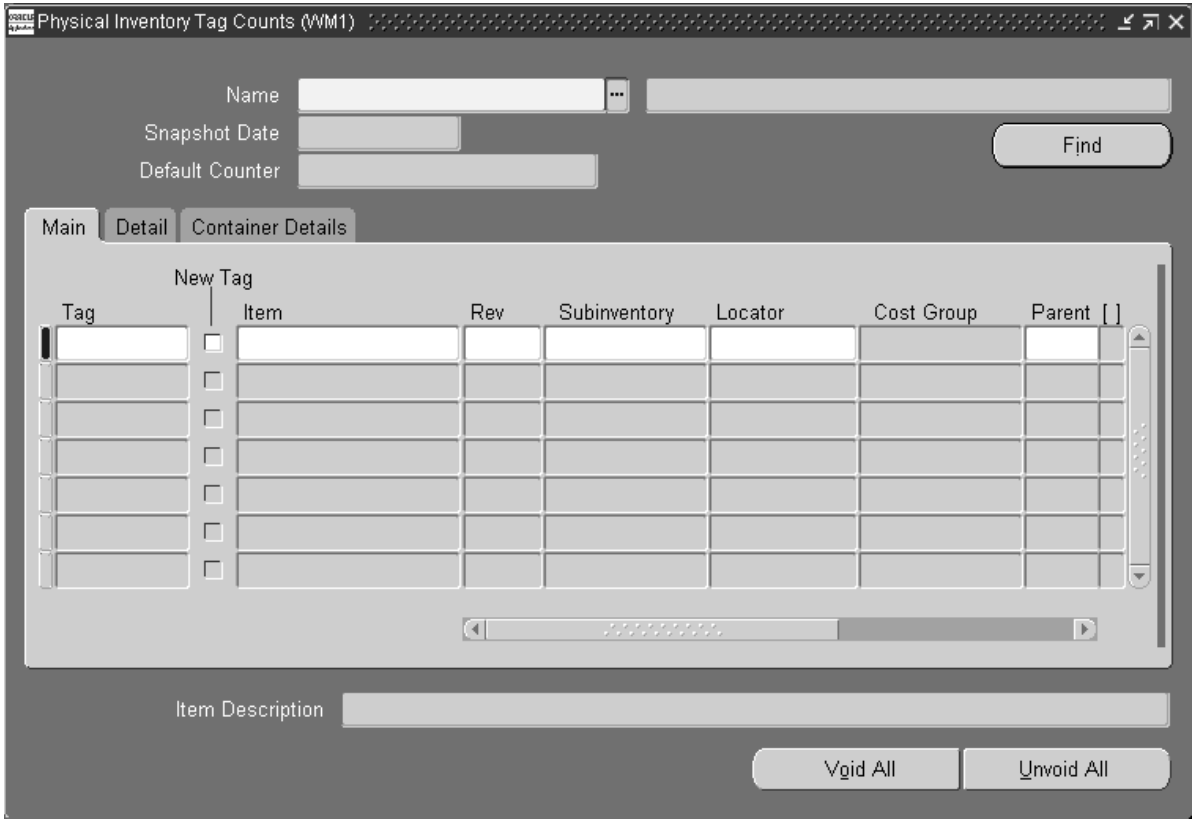
Entering and Voiding Physical Inventory Tag Counts: page 13 – 11

Entering and Voiding Physical Inventory Tag Counts

After recording your physical counts you must enter the quantity for each tag. You can query tags for easy data entry.

▶ **To display physical inventory tag information:**

1. Navigate to the Physical Inventory Tag Counts window or choose the Counts button from the Physical Inventories Summary folder window.



2. Enter the physical inventory.
3. Enter the employee that performed the physical inventory in the Default Counter field.

   Oracle Inventory uses this value as the default for the Counted By field of each tag.
4. Enter or query the tag numbers for which to enter counts using one of the following options:

   - *Choose the Find button.* Choose *Yes* or *No* to query all tags. If you choose *No*, you can either enter tag numbers individually or use the Find feature on the Query menu to query a subset of tags.
   - *Enter tag numbers individually.* You can enter existing tags individually. When you enter a tag number the item information for that tag appears.
   - *Use the Find feature on the Query menu.* You can query a subset of tags matching the search criteria you enter in the find window.

You can search by any combination of tag number, item, revision, subinventory, locator, lot, serial number, or tag status. With tag status you can find voided or missing tags.

▶ **To enter counts for default tags:**

1. Follow the steps for displaying physical inventory tag information.
2. Enter count information.

   Since you generated default tags the item, revision, subinventory, locator, lot, and serial number information for each item is displayed. You enter the count Quantity, unit of measure (UOM), and Counted By information
3. Save your work.

▶ **To enter counts for blank or dynamic tags:**

1. Follow the steps for displaying physical inventory tag information, but in the Tag field enter a tag number.
2. Enter the item associated with the tag.
3. Enter the revision of the item.

   You can enter a value here if the item is under revision quantity control.
4. Enter the subinventory in which you counted the item.
5. Enter the locator associated with the subinventory.

   You can enter a value here if the item is under locator control.
6. If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), you can view or enter the cost group of the material counted on this count entry.
7. If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization you can enter the parent LPN, which is the LPN in which the material counted resides. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.
8. Enter the count quantity (number counted) for the tag.
9. Enter the count unit of measure (UOM).
10. Enter the name of the employee who counted the item (Counted By).
11. Enter the lot number associated with the item.

This entry is required if the item is under lot number control.

12. Enter the serial number associated with the item.

    This entry is required if the item is under serial number control.

13. Save your work.

If you have Oracle Warehouse Management installed, and you are working with a WMS enabled organization (See:), the Container Details tab will display. View information for parent LPN (LPN in which counted material resides), outermost LPN (outermost LPN in which counted material resides), container item, revision, cost group, lot, and serial number. See: Explaining License Plate Management, *Oracle Warehouse Management User's Guide*.

Voiding Physical Inventory Tags

You can void tags that you deliberately discarded during the physical inventory. Voiding tags allows you to account for all tags; thus, any tag numbers that appear on the missing tag report are actually missing.

▶ **To void or unvoid individual physical inventory tags:**

1. Follow the steps for displaying physical inventory tag information.
2. Select the physical inventory tag you want to void.
3. Check or uncheck the Void option.
4. Save your work.

▶ **To void or unvoid all displayed physical inventory tags:**

1. Follow the steps for displaying physical inventory tag information.
2. Choose the Void All or Unvoid All button.

See Also

Overview of Physical Inventory: page 13 – 2

Generating Physical Inventory Tags: page 13 – 7

Approving Physical Inventory Adjustments: page 13 – 15

Searching for Information, *Oracle Applications User's Guide*

Approval Tolerances

Oracle Inventory supports two types of physical inventory approval tolerances. For each type, you can specify a positive and a negative limit. When a particular physical inventory tag count entry results in an adjustment that exceeds any one of these limits, you have a physical inventory adjustment that exceeds approval tolerances. Based on the approval option you chose when you defined your physical inventory, this adjustment is or is not held for approval.

If you decide that approval is required for adjustments out of tolerance you must enter at least one positive or negative value for one type of approval tolerance.

The quantity variance tolerance is a user–defined limit for the difference between the system–tracked on–hand quantity and the actual tag count quantity. You express positive and negative quantity variance tolerances as percentages of the system on–hand quantity. You enter these percentages when defining your physical inventory.

The adjustment value tolerance is a user–defined limit for the total value of a physical inventory adjustment:

adj value = (system on–hand qty – actual count qty) x current cost, where:

– Current cost is the cost at inventory snapshot.

You express positive and negative adjustment value tolerances as amounts in your functional currency. You enter these tolerances when defining your physical inventory.

See Also

Overview of Physical Inventory: page 13 – 2

Defining a Physical Inventory: page 13 – 3

Approving Physical Inventory Adjustments: page 13 – 15

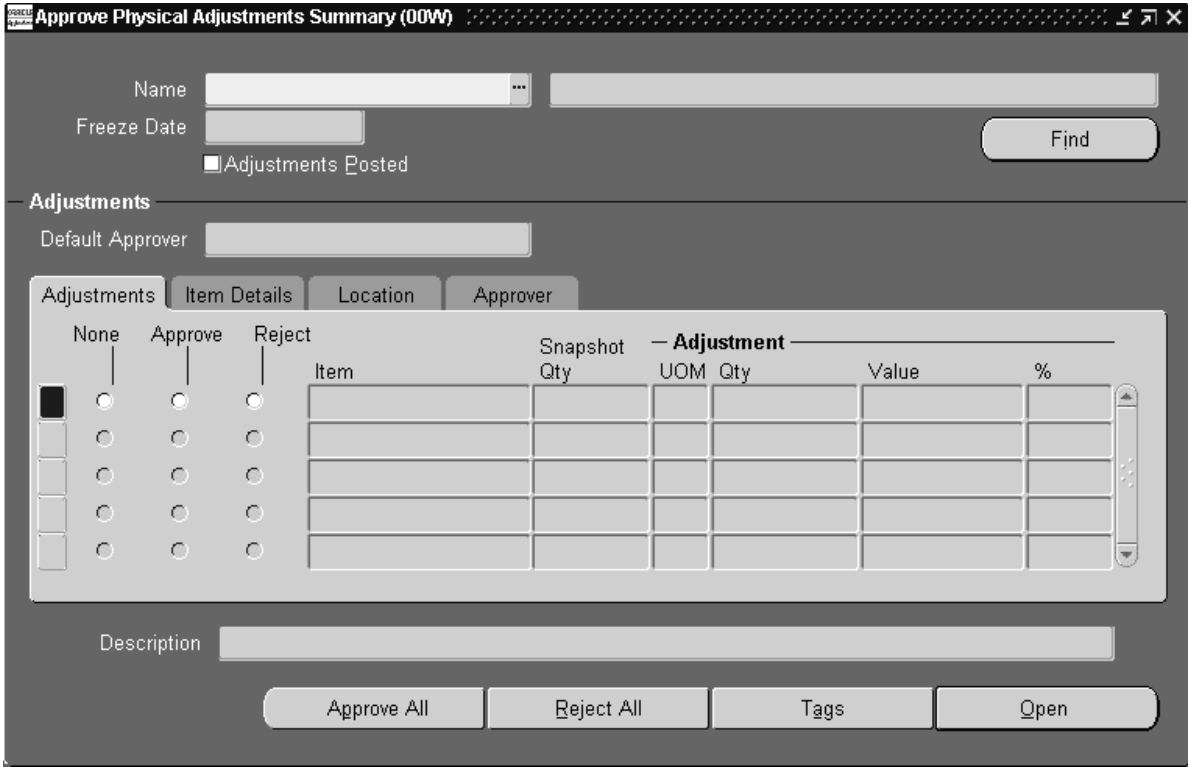
Approving Physical Inventory Adjustments

You can view, reject, or approve physical inventory adjustments pending approval. The adjustments you can view from this window are determined by the approval option you defined for your physical inventory. If you approve a particular adjustment, the Process Physical

Inventory Adjustments program adjusts your inventory balance by that quantity. If you reject an adjustment, Oracle Inventory does not change the system on–hand quantity.

▶ **To select the physical inventory for which to approve adjustment:**

1. Navigate to the Approve Physical Adjustments Summary window. You can also navigate to the Physical Inventory Summaries folder window, select the physical inventory you want to use, and choose Approve.



2. Enter the name of the physical inventory.
3. Enter the name of the employee approving the adjustments.

▶ **To display the adjustments you want to approve:**

1. From the Item field choose Find from the Query menu. The Find Physical Adjustments window appears.

2. Enter search criteria. You can use any combination of tag numbers, item / location information, adjustment values. You can also display adjustments out of tolerance or those not requiring approval.
3. Choose Find to start the search. The results display in the Approve Physical Adjustments Summary window.

▶ **To view current item and adjustment information:**

- Choose from the following tabbed regions:
  - *Adjustment*: View information for the unit of measure, adjustment quantity, adjustment value, variance percentage, and system quantity.
  - *Rev, Subinventory, Locator*: View information for revision, subventionary, locator, unit of measure, and adjustment quantity.
  - *Lot*: View information for lot number, serial number, unit of measure, and adjustment quantity.
  - *Approver*: View information for the approver.

▶ **To approve or reject adjustments**

1. Select an adjustment to reject or approve and check the Approve or Reject option.
2. Optionally, choose the Approve All or Reject All button.

Attention: You must either reject or approve all adjustments for a physical inventory before you can start processing your adjustments.

3. Save your work.

See Also

Overview of Physical Inventory: page 13 – 2

Processing Physical Inventory Adjustments: page 13 – 18

Searching for Information, *Oracle Applications User's Guide*

Processing Physical Inventory Adjustments

After you finish entering all your tag counts and approving those adjustments that need approval, you can submit the process that automatically posts your physical inventory adjustments. Oracle Inventory automatically creates a material transaction adjusting the item quantity and debiting or crediting the adjustment account you specify for your physical inventory. If the count of an item matches the snapshot system on–hand quantity, there is no adjustment transaction posted.

Once you run the adjustment program for your physical inventory, Oracle Inventory does not allow new tag generation or any further updates of tag counts. You are no longer able to make any changes to that physical inventory. Due to the irreversible nature of this program, Oracle Inventory posts no physical inventory adjustments if you have any adjustments that are still pending approval. You must approve or reject all of your adjustments before you can process them.

You can preview your adjustments before actually posting them by running the Physical Inventory Adjustments Report. You can run the actual adjustment program after you have used the report to verify your tag quantities and the value impact of your adjustments.

Attention: If your approval option for a particular physical inventory is *Never*, Oracle Inventory does not at any time prevent you from submitting the adjustment process. Since there will never be any adjustments pending approval, your adjustments are processed with no regard to whether you have generated tags at all, or whether you actually entered counts for all your tags. For any tag that has no count entered, Oracle Inventory assumes a count of zero and performs adjustment transactions accordingly. Therefore, you should make it a part of your physical inventory procedure to run the Physical Inventory Missing Tag Listing before you process adjustments.

▶ **To run the adjustment program:**

1. Navigate to the Physical Inventories Summary folder window.
2. Select the physical inventory you want to use.
3. Choose *Launch adjustments* from the Tools menu. The Launch Adjustments window appears.
4. Enter the Adjustment Account number against which adjustments should be charged.
5. Enter the adjustment date.

6. Choose the Launch Adjustments button to submit the concurrent request for adjustments.

See Also

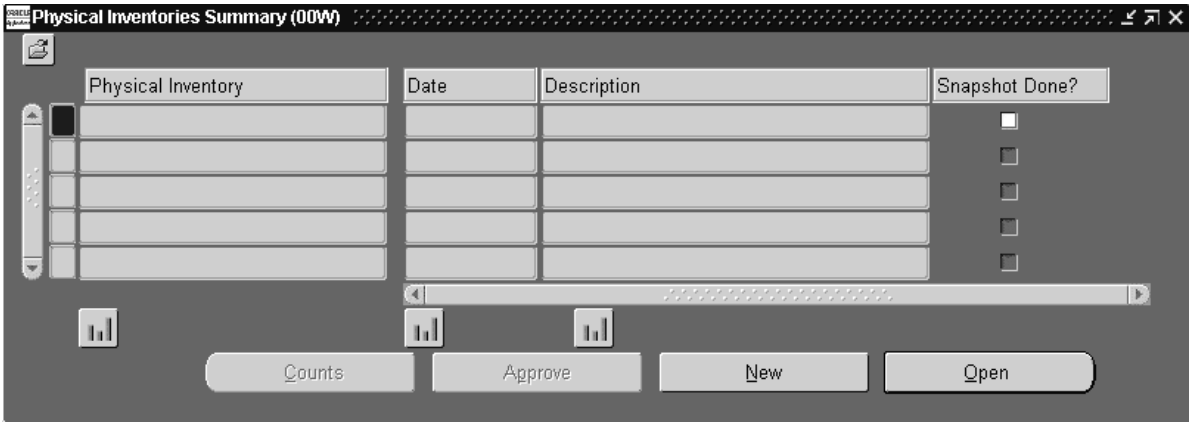
Overview of Physical Inventory: page 13 – 2

Purging Physical Inventory Information

Use this form to purge a physical inventory definition from the database. Oracle Inventory deletes all information associated with the physical definition. However, the purge does *not* affect any adjustments or adjustment transactions made using the physical definition. Those adjustments are *not* changed. You can also purge just tags if you made a mistake and want to start over.

▶ **To run the purge program:**

1. Navigate to the Physical Inventories Summary folder window.



2. Select the physical inventory you want to use.
3. Choose *Perform purge* from the Tools menu.
4. Choose *Yes* to purge only tags in the physical inventory or *No* to purge the entire physical inventory.

See Also

Overview of Physical Inventory: page 13 – 2

Physical Inventory Reports

You can use a number of reports to help you during the process of performing a physical inventory and to analyze and report the results of physical inventory adjustment transactions.

Physical Inventory Tag Listing

This report lists all the default and blank tags that you generated and all the dynamic tags that you entered. The report shows the tag number, item, revision, subinventory, locator, lot, and serial number for each tag used in your physical inventory. You can use this report as the document you give to the employees performing the counts. You can also use this report as a complete count history after all counts have been completed.

Physical Inventory Counts Report

This report shows information on the tags you enter for a physical inventory, including the item, item controls, count location, count quantity, and count value.

Physical Inventory Missing Tag Listing

This report lists the tags that are missing from a user–specified range of tag numbers. The report also shows what information was printed on the tag, if any, to aid in the search. Oracle Inventory considers as missing those tags for which you have not entered counts. Void tags are not considered to be missing. Use this report before initiating physical adjustments to verify that you have accounted for all tags generated by the system. Otherwise, if you have not entered a count for a tag and approvals are not required, Oracle Inventory adjusts your on–hand balances down to zero quantity.

Physical Inventory Adjustments Report

This report shows all adjustments against unique combinations of item, revision, subinventory, locator, lot, and serial number for a user–specified physical inventory. You can run this report before processing your adjustments to get a preview of your adjustment quantities and values. You can then determine whether you are ready to process all final adjustments or whether you need to recount certain locations. This report is also automatically generated after the successful completion of the adjustment program as a record of what was actually adjusted.

Physical Inventory Accuracy Analysis

You can run the Physical Inventory Accuracy Analysis report many times during your physical inventory. If you run it after you take a snapshot of your on–hand balances, this report shows the system on–hand quantity and value for each item included in your physical inventory. If you run this report after entering your tag counts, it shows the actual count quantities and values, as well as the adjustment quantity, value and error percentage for each count you entered. You can also use this report as a historical accuracy analysis tool.

Physical Inventory Summary Report

This report provides a summary of your physical inventory adjustments by subinventory. You can see, in your functional currency, the system on–hand value, the actual count value, and the resulting adjustment value, as well as the number of tags and adjustments performed for each subinventory. You can also use this report as a management tool to monitor the accuracy of your inventory as it also includes the error percentage of your original system on–hand quantities and values.

Physical Inventory Trend Report

This report compares past physical inventories so that you can see whether record accuracy has improved over time. It provides a summary of physical inventory adjustment values, by date and subinventory, as well as the number of tags and adjustments each subinventory required. You can view subtotals for each physical inventory as well as a grand total of all your physical inventory adjustments over time.

CHAPTER

14 Intercompany Invoicing

Overview of Intercompany Invoicing

Intercompany invoicing enables you to process transactions internally where one business unit invoices another business unit at the transfer price for internal orders or sales orders. With intercompany invoicing you can do the following:

- View the entire process flow: You can view the order process from booking through shipping, billing and generating the intercompany receivable and payable invoices.
- Transaction–level detail: You can trace each intercompany transaction to the source order.
- Accurate shipping information: General Ledger dates of intercompany transactions reflect the actual shipment date, improving data accuracy such as exchange rate conversions.
- Intercompany Pricing: The intercompany invoincing program uses the Advanced Pricing Engine to derive the invoice price for an item.
- Accouting Transactions: Review the accounting transactions that occur during intercompany invoicing.

See Also

Overview of Sales Orders, *Oracle Order Management User's Guide.*

Overview of Internal Requisitions, *Oracle Purchasing User's Guide.*

Defining Order Import Sources, *Oracle Order Management User's Guide.*

Intercompany Invoicing Process

When a customer order is processed and invoiced through the order cycle, the selling organization records journal entires to account receivable, revenue, and tax and freight as needed. The shipping warehouse records journal entries to the inventory asset account and the cost of goods sold (COGS) account.

When the above scenario involves a selling organization in one operating unit, and a shipping organization in another operating unit additional accounting must take place. The shipping organization must bill the selling organization at transfer price**,** and the selling organization must make the corresponding payment.

The intercompany accounts receivable (AR) invoice is the transaction Oracle uses to record intercompany receivable accounting for the shipping organization, debiting intercompany AR at transfer price**,** tax, and freight and crediting intercompany revenue.

The intercompany accounts payable (AP) invoice is the transaction Oracle uses to record the payable accounting for the selling organization, debiting intercompany COGS and freight and crediting the intercompany payable account.

See Also

Defining Intercompany Relations: page 6 – 39

Intercompany AR Invoice Report: page 15 – 122

Intercompany Invoice AP Report: page 15 – 124

Bills Receivable Overview, *Oracle Receivable User Guide*

Accounting in Payables, *Oracle Payables User Guide*

Submitting a Request, *Oracle Applications User's Guide*

Representing Organizations, *Using Oracle HRMS – The Fundamentals (US)*

Defining Item Cost Details, *Oracle Cost Management User's Guide*

The Order Cycle

The order cycle is a series of actions you perform on an order in a predefined sequence. The sequence begins with the initial entry of the order and may include order approval, pick release, shipment

confirmation, billing reduction of inventory, and closing the order. You may build approval steps into an order cycle to interrupt the order flow until you receive approval.

Order Management Transaction Types

An Order type is a source of default information for an order. You assign it to the order header where you create the order. The Order type assigns the following characteristics to an order:

- Order cycle: Which cycle the order flows.
- Invoice type: The type of invoice the Order Management uses when passing the order information to receivables to create an invoice.
- Credit check: If the order requires a credit check.
- Standard Value Rule Set: Determines how to automatically default particular fields on to the order based on criteria you provide.

Internal Orders

Once you create an internal order from a requisition,you can manage internal orders the same way you manage sales orders. You can use order management to define order cycles approvals, and holds to process requisition orders. You can selectively pick release and process internal orders the same way you do sales orders.

See Also

Defining Transaction Types, *Oracle Order Management User's Guide*

Overview of Sales Orders, *Oracle Order Management User's Guide*

Defining Order Import Sources, *Oracle Order Management User's Guide*

Overview of Internal Requisitions, *Oracle Purchasing User's Guide*

Creation of Internal Sales Orders, *Oracle Purchasing User's Guide*

Order Import, *Oracle Order Management User's Guide*

Invoice Type

An invoice type defaults certain data and properties onto an invoice. Default data includes the payment terms, and general ledger accounts. properties include whether tax and freight may be applied and whether the invoice may be credited from more than the original amount.

See Also

Entering Invoices Overview, *Oracle Payable User's Guide*

Entering Invoices Overview, *Oracle Receivables User's Guide*

Transaction Types, *Oracle Receivables User's Guide*

Intercompany Invoicing Setup

To enable intercompany invoicing verify you have setup the following:

Organization Setup

You must establish all organizations involved in the Intercompany Invoicing Process. See: Creating an Organization, *Oracle Human Resource Management Systems User's Guide*.

Set of Books

Verify you have a set of books established for the Corporation. See: Defining Sets of Books, *Oracle General Ledger User's Guide*.

Intercompany Relations

You must establish intercompany relations between the operating units you wish to use intercompany invoicing. See: Defining Intercompany Relations: page 6 – 39.

Define Customers

You must define both internal and external customers before you can use intercompany invoicing. See: Entering Parties and Customer Accounts, *Oracle Receivables User Guide*.

Define Currencies

Verify you defined the currencies used in relations between operating units. See: Defining Currency, *Oracle General Ledger User's Guide*.

Profile Options

The Create Intercompany AR Invoices program examines the profile options values of all responsibilities of an operating unit. If you do not set a profile option for any responsibility the program uses the site value. If one responsibility has a particular profile option set, the program uses the set value. If you set identical values for two or more responsibilities, the AR Invoices program uses the set value. If the profile option values differ between responsibilities, the program produces an error.

- INV:Intercompany Currency Conversion

  Determines the conversion type for foreign currency invoices.

- INV:Inter–company Invoice for Internal Orders

  This profile option allows you to created intercompany invoices for internal orders of type in–transit shipments. Set this profile option at user or responsibility level.

- INV: Advanced Pricing for Inter–company Invoice

  This profile option enables you to use advanced pricing for intercompany invoice. Set this profile option at user or responsibility level.

- TAX:Allow Override of Tax Code

  Determines if tax code information should be passed to AR for freight

- Tax:Invoice Freight as Revenue

  Indicates if freight lines should be invoiced as revenue lines.

- Tax:Inventory Item for Freight

  Use this inventory item when you invoice freight lines as revenue lines.

- OM:Item Validation Organization

  Determines the inventory organization Order Management uses to validate items. Some inventory item attributes for Receivables and Order Management such as Tax Code and Sales Account, are specific to an operating unit or an accounting flexfield structure. Therefore you must use the OM:Item Validation Organization

profile option to define an item validation organization for each operating unit.

- MO:Operating Unit

  Set this profile option to the appropriate operating unit id (ORG_ID) for each responsibility.

Items

To enable intercompany invoicing, you must perform the following item setups.

- Enable Item at the Master and Organization levels
- Verify the following item attributes are enabled
  - Customer Ordered
  - Customer Order Enabled
  - Internal Ordered
  - Internal Order Enabled
  - Invoiceable Item
  - Invoice Enabled

See Also

Implmenting Profile Options: page 1 – 26

Defining Items: page 1 – 26

Assigning Items to Organizations: page 5 – 12

Order Management Attribute Group: page 5 – 96

Invoicing Attribute Group: page 5 – 102

Representing Organizations, *Using Oracle HRMS – The Fundamentals (US)*

Intercompany Invoicing Order Process

The intercompany invoicing business process is summarized as follows. An internal or external customer places an order. The order is scheduled to ship from a warehouse associated with a different operating unit than the selling organization. The product ships from the warehouse directly to the end customer. The selling operating unit then issues an invoice to the end customer. The shipping unit issues an intercompany receivable invoice to the selling operating unit, and the selling operating unit issues an intercompany payable to the shipping operating unit.

Intercompany Invoicing Sales Order Process

Consider the following scenario: A customer located in Russia purchases computers from a sales division in the United Kingdom operating in Russian Rubles. Revenue from the sale is transferred from Russian Rubles to British Pounds. The shipping warehouse located in an operating unit in the United States ships the computers from a US warehouse to the customer in Russia, and records the cost in US dollars. The US operating unit invoices the UK operating unit at transfer price in British pounds which is then converted to US dollars. The following table describes the steps you use in intercompany invoicing for a sales order. The table reflects the scenario mentioned in the above paragraph.

Steps	Process	Program	Description
1.	Enter Order	UK Order Management	Enter order information. See: Overview of Sales Orders, *Oracle Order Management User's Guide*.
2.	Schedule Order and issue demand	UK Order Management	The Demand and or reservation is placed in the UK, and communicated to US manufacturing. UK order management maintains the schedule date. See: Sales Order Scheduling, *Oracle Order Management User's Guide* and Availability and Reservations, *Oracle Order Management User's Guide*.

Steps	Process	Program	Description
3.	Perform Pick release and print picking documents	UK Order Management	Select lines that need to be picked out of the warehouse and staged for shipping. Generate the appropriate picking documents. Before performing pick release, you may need to provide additional information regarding the product location. You must choose the subinventory location for the item. The picking documents need to print at the US distribution center. See: Defining Sales Order Main and Other Header Information, *Oracle Order Management User's Guide*.
4.	Run Receivables Interface	UK Order Management	After you perform shipment confirmation, run the receivables interface program to populate the receivables interfaces tables. See: Invoice Processing, *Oracle Order Management User's Guide*.
5.	Run AutoInvoice Master Program	UK Receivables	After you run the receivables interface from UK order Management, you can import the Russian customer invoice information in to Oracle receivables. See: Importing Invoice Information Using AutoInvoice, *Oracle Receivable User Guide*.
6.	Print invoice	UK Receivables	Print and mail the customer invoice See: Printing Transactions, *Oracle Receivable User Guide*.
7.	Run Update Shipping Information	UK Shipping Execution	This programs updates the Order Management tables to reflect the order lines shipped status. See: Managing Sales Order Changes, *Oracle Shipping Execution User's Guide*.

Steps	Process	Program	Description
8.	Run Inventory Interface and Order Management Interface	UK Shipping	You can run the inventory interface program automatically after you ship confirm each order or defer the process. See: Defining Shipping Transaction Parameters, *Oracle Shipping Executions User's Guide*. You can run the Interface Trip Stop–SRS program to run the Inventory and Order Management SRS Interfaces at the same time.
9.	The Transaction Manager processes the material issue out of Inventory	US Inventory	The transaction manager periodically sweeps the Inventory interface tables, after which the on–hand balance is reduced that accounting distributions are made. See Launching Transaction Manager: page 6 – 7Payables Open Interface Program, *Oracle Payables User Guide*.
10.	Run Create Intercompany AR Invoices	US Inventory	This program creates the intercompany receivable invoices.
11.	Run AutoInvoice Master Program	US Receivables	After you create the intercompany invoice in US inventory, you can import it in to Oracle Receivables. Run Auto Invoice Master program. See: Importing Invoice Information Using AutoInvoice, *Oracle Receivable User Guide*.
12.	Print the Invoice	US Receivables	Review the intercompany invoice, print and send to the UK office. The create Intercompany AR invoices program populates the AR interface with those shipment lines that have successfully passed through inventory. Therefore, the shipping division's intercompany AR invoice may not have the same number of lines as the corresponding packing slip. See: Printing Transactions, *Oracle Receivable User Guide*.

Steps	Process	Program	Description
13.	Run Create Intercompany AP Invoices	UK Inventory	Creates records in the AP interface table. Only those records which successfully imported in toe the US AR system will populate the AP interface.
14.	Run Invoice Import	UK Accounts Payable	Generates the intercompany AP invoice. The Vendor is the shipping operating unit. Choose the site to use for intercompany payables you set up in the Define Intercompany Relations Screen. See: Payables Open Interface Program, *Oracle Payables User Guide*.

Intercompany Invoicing Internal Order Process

Intercompany invoicing for an internal order differs from intercompany invoicing for sales orders. The customer is not an outside customer, but is instead an internal organization. Consider the following scenario: A manufacturing division located in Japan purchases computers chips from a sales office located in the United Kingdom operating in Japanese yen. Revenue from the sale is transferred from Japanese yen to British Pounds. A shipping division in the United States ships the computer chips from a US warehouse to the Japanese manufacturing division unit, and records the cost in US dollars. The US shipping organization invoices the UK selling organization at transfer price in British pounds which is then converted to US dollars. The following table describes the steps you use for intercompany invoicing for an internal order. The table reflects the scenario mentioned in the above paragraph.

Steps	Process	Program	Description
1.	Generate Internal Requistion	Japan Purchasing	The Japanese operating unit generates an internal requistion for the order. See: Overview of Internal Requisitions, *Oracle Purchasing User's Guide*.
2.	Create an Internal Sales Order	Japan Purchasing	Create the internal Sales Order. See: Creation of Internal Sales Orders, *Oracle Purchasing User's Guide*.

Steps	Process	Program	Description
3.	Order Import	UK Order Management	Import internal order information. See: Order Import, *Oracle Order Management User's Guide*.
4.	Schedule Order and issue demand	UK Order Management	The Demand and or reservation is placed in the UK, and communicated to US manufacturing. UK order management maintains the schedule date. See: Sales Order Scheduling, *Oracle Order Management User's Guide* and Availability and Reservations, *Oracle Order Management User's Guide*.
5.	Perform Pick release and print picking documents	UK Order Management	Select lines that need to be picked out of the warehouse and staged for shipping. Generate the appropriate picking documents. Before performing pick release, you may need to provide additional information regarding the product location. You must choose the subinventory location for the item. The picking documents need to print at the US distribution center. See: Defining Sales Order Main and Other Header Information, *Oracle Order Management User's Guide*.
6.	Run Receivables Interface	UK Order Management	After you perform shipment confirmation, run the receivables interface program to populate the receivables interfaces tables. See: Invoice Processing, *Oracle Order Management User's Guide*.
7.	Run AutoInvoice Master Program	UK Receivables	After you run the receivables interface from UK order Management, you can import the Japanese customer invoice information in to Oracle receivables. See: Importing Invoice Information Using AutoInvoice, *Oracle Receivable User Guide*.
8.	Print invoice	UK Receivables	Print and mail the customer invoice See: Printing Transactions, *Oracle Receivable User Guide*.

Steps	Process	Program	Description
9.	Run Update Shipping Information	UK Shipping	This programs updates the Order Management tables to reflect the order lines shipped status. See: Managing Sales Order Changes, *Oracle Shipping Execution User's Guide*.
10.	Run Inventory Interface and Order Management Interface	UK Shipping	You can run the inventory interface program automatically after you ship confirm each order or defer the process. See: Defining Shipping Transaction Parameters, *Oracle Shipping Executions User's Guide*. You can run the Interface Trip Stop–SRS program to run the Inventory and Order Management SRS Interfaces at the same time.
11.	The Transaction Manager processes the material issue out of Inventory	US Inventory	The transaction manager periodicallysweeps the Inventory interface tables, after which the on–hand balance is reduced that accounting distributions are made. See Launching Transaction Manager: page 6 – 7.
12.	Run Create Intercompany AR Invoices	US Inventory	This program creates the intercompany receivable invoices. See Intercompany Invoicing AR Report: page 15 – 122.
13.	Run AutoInvoice Master Program	US Receivables	After you create the intercompany invoice in US inventory, you can import it in to Oracle Receivables. Run Auto Invoice Master program. See: Importing Invoice Information Using AutoInvoice, *Oracle Receivable User Guide*.

Steps	Process	Program	Description
14.	Print the Invoice	US Receivables	Review the intercompany invoice, print and send to the UK office. The create Intercompany AR invoices program populates the AR interface with those shipment lines that have successfully passed through inventory. Therefore, the shipping division's intercompany AR invoice may not have the same number of lines as the corresponding packing slip. See: Printing Transactions, *Oracle Receivable User Guide*.
15.	Run Create Intercompany AP Invoices	UK Inventory	Creates records in the AP interface table. Only those records which successfully imported in toe the US AR system will populate the AP interface**.** See Intercompany AP Report: page 15 – 124
16.	Run Invoice Import	UK Accounts Payable	Generates the intercompany AP invoice. The Vendor is the shipping operating unit. Choose the site to use for intercompany payables you set up in the Define Intercompany Relations Screen. See: Payables Open Interface Program, *Oracle Payables User Guide*.

Intercompany Invoice Pricing

The intercompany invoicing program uses the Advanced Pricing Engine to derive the invoice price for an item. The advanced pricing setup enables you to define which rules, based on price list, the Oracle uses to derive invoice price for an item.

To use this feature you must set the following profile option. Otherwise, Oracle uses the static price from the selling operating unit price list.

- INV: Advanced Pricing for Inter–company Invoice

  You set this profile option at site level. When you set this profile option to Yes, you can use the Advance Pricing engine for intercompany invoicing.

  Note: You must purchase a sepatate license for Advanced Pricing. If you set this proflie without a license, you are not able to use advanced pricing.

Using Advanced Pricing Engine with Orders

Before using the pricing logic, the intercompany invoicing program looks for an external API to return a price for the items on the order. If the API does not return a value, and if you set the Advanced Pricing profile option to yet, the pricing logic attempts derive the price from the price list using the Advanced pricing engine. If the Advanced Pricing engines finds the price for the item in one of the price lists, the the intercompany invoicing program processes the record and moves on to the next record. If Advanced pricing cannot find a correct price for the item, the intercompany invoicing program logs an error message for that records, and moves to the next record.

Use of Third Party Pricing Engine

Oracle inventory has the ability to call an external API to support custom–specific complex pricing logic written by the customer or a third party.

Advanced Pricing Engine Setup

You must set up pricing rules to use the advanced pricing engine for intercompany invoicing. If you do not setup rules, Oracle picks the invoice price from a static price list. See: Creating a Qualifier Group,

*Oracle Advanced Pricing User's Guide*Creating a Qualifier Group: page NO TAG.

See Also

Creating a Qualifier Group, *Oracle Advanced Pricing User's Guide*Overview of Pricing Qualifiers: page NO TAG

Overview of Oracle Advanced Pricing Qualifiers

Oracle Advanced Pricing User's Guide

Overview of Price Lists, *Oracle Advanced Pricing User's Guide*

Creating a Price List, *Oracle Advanced Pricing User's Guide* Creating a Price List: page NO TAG

Intercompany Invoice Accounting Distributions

The following section details the different accounting practices for intercompany invoicing.

Accounting Distributions from the Intercompany Accounts Receivable Invoice

Currency

Record the transaction at transfer price, and use the bill–to–site and the currency of the selling operating unit. For example if the selling operating unit is located in the UK, and the shipping operating unit is located in the US, create the intercompany invoice in British Pounds, and convert to U.S. dollars.

If the freight, handling, duty, and / or insurance charges are not in the same currency as the transfer price list, you must create another intercompany invoice.

Prerequisites

Before checking the Intercompany AR invoice, ensure you have met the following conditions:

- The transaction Processor successfully completed the order issue.
- The Create Intercompany AR Invoices completed successfully for the shipping operating unit.
- The AutoInvoice program completed without error for source = intercompany.

Source of Accounts

The accounts for the intercompany accounts receivable invoice are built using AutoAccounting. This runs as the system imports records into Oracle Receivables. Individual account segments may come from different sources, and the combination must be allowed in the shipping organization Set of Books.

- Salesperson Account Segment: Oracle derives the salesperson account segment from the accounts assigned to the *No Sales Credit* default.

- Standard Lines Segment: Oracle derives the standards lines segments from the item master sales account for your items.
- Standard Lines Freight Segment: Oracle derives the freight account segments from the item identified by the profile option *Tax:Invoice Item as Freight* assuming you set the *Tax:Invoice Freight as Revenue* profile option to yes.

  However if freight is not an item, and is a header–level charge on the invoice, Oracle derives the account segments from the standard memo line I*ntercompany Freight*.
- Invoice Type Segment: Oracle derives the invoice type segment from the invoice type you identified in the Intercompany Relations window for transactions between operating units.

See Also

Intercompany AR Invoices Report: page 15 – 122

Accounting Distributions for Intercompany Accounts Payable Invoice

Currency

Oracle records the transaction in the currency of the intercompany accounts receivable invoice. If the currency of the AR invoice differs from the functional currency of the selling operating unit, Oracle converts the currency to the functional currency of the selling operating unit and using the exchange rate corresponding to the invoice line GL date.

Prerequisites

Before checking the Intercompany AP invoice, ensure you have met the following conditions:

- The Intercompany AR invoice was created
- The create Intercompany AP Invoices program successfully ran for the selling operating unit
- The Invoice import program completed for invoice source = intercompany

Source of Accounts

- COGS Account: The Account Generator builds the COGS account for the selling organization set of books. Typically segments are sourced from a combination of constant values and the cost of goods sold from the selling unit.
- Freight Account: Oracle inventory uses the freight account you defined on the Intercompany Relations window for the corresponding selling and shipping organizations.
- Intercompany Payable Invoice: The intercompany payable comes from the liability account associated with the vendor site (shipping organization) created in the selling organization payables system. Because more than one payable site can exist for a supplier, Oracle uses the site you defined on the Intercompany Relations window.

See Also

Intercompany AR Invoices Report: page 15 – 122

Intercompany AP Invoices Report: page 15 – 124

Defining Item Cost Details, *Oracle Cost Management User's Guide.*

CHAPTER

15 Reports

Overview of Reports

Oracle Inventory provides you with a wide variety of reports, intended for different users of the product. This chapter tells you what you need to know about submitting and analyzing the following Inventory reports.

- All Inventories Value Report, *Oracle Bills of Material User's Guide*
- Cost Type Comparison Report, *Oracle Bills of Material User's Guide*
- Detailed Item Cost Report, *Oracle Bills of Material User's Guide*
- Elemental Cost Report, *Oracle Bills of Material User's Guide*
- Elemental Inventory Value Report, *Oracle Bills of Material User's Guide*
- Intransit Value Report, *Oracle Bills of Material User's Guide*
- Inventory Value Report, *Oracle Bills of Material User's Guide*
- Item Cost Reports, *Oracle Bills of Material User's Guide*
- Overhead Report, *Oracle Bills of Material User's Guide*
- Subinventory Account Value Report, *Oracle Bills of Material User's Guide*
- ABC Assignments Report (See page 15 – 83)
- ABC Descending Value Report (See page 15 – 84)
- Account Alias Listing (See page 15 – 112)
- Customer Item Commodity Codes Listing: page 15 – 68
- Customer Item Cross References Report: page 15 – 69
- Customer Items Report: page 15 – 71
- Cycle Count Entries and Adjustments Report (See page 15 – 85)
- Cycle Count Hit / Miss Analysis (See page 15 – 86)
- Cycle Count Listing (See page 15 – 87)
- Cycle Count Open Requests Listing (See page 15 – 94)
- Cycle Count Schedule Requests Report (See page 15 – 107)
- Cycle Count Unscheduled Items Report (See page 15 – 95)
- Cycle Counts Pending Approval Report (See page 15 – 96)
- Expired Lots Report (See page 15 – 46)
- Forecast Rule Listing (See page 15 – 76)

- Freight Carrier Listing (See page 15 – 113)
- Import Customer Item Cross References: page 5 – 114
- Import Customer Items: page 5 – 113
- Import Items (See page 5 – 110)
- Inactive Items Report (See page 15 – 6)
- Inter–Organization Shipping Information Listing (See page 15 – 114)
- Inventory Transactions by Cost Center and Account: page 15 – 130
- Inventory Charges and Product Usage: page 15 – 132
- Item Categories Report (See page 15 – 47)
- Item Cross–References Listing (See page 15 – 48)
- Item Definition Detail (See page 15 – 50)
- Item Definition Summary (See page 15 – 53)
- Item Demand History Report (See page 15 – 55)
- Item Quantities Summary (See page 15 – 108)
- Item Relationships Listing (See page 15 – 57)
- Item Replenishment Count Report (See page 15 – 77)
- Item Reservations Report (See page 15 – 7)
- Item Statuses Report (See page 15 – 59)
- Item Template Listing (See page 15 – 62)
- Item–Subinventory Report (See page 15 – 61)
- Locator Listing (See page 15 – 115)
- Locator Quantities Report (See page 15 – 109)
- Lot Transaction Register (See page 15 – 10)
- Material Account Distribution Detail (See page 15 – 14)
- Material Account Distribution Summary (See page 15 – 21)
- Min–Max Planning Report: page 15 – 78
- Movement Statistics Report: page 15 – 140
- Organization Parameters Listing: page 15 – 116
- Period Close Value Summary: page 15 – 75

- Physical Inventory Tags: page 15 – 97
- Physical Inventory Accuracy Analysis: page 15 – 89
- Physical Inventory Adjustments Report: page 15 – 90
- Physical Inventory Counts Report: page 15 – 92
- Physical Inventory Missing Tag Listing: page 15 – 100
- Physical Inventory Tag Listing: page 15 – 99
- Physical Inventory Trend Analysis: page 15 – 101
- Physical Inventory Summary Analysis: page 15 – 102
- Planner Listing: page 15 – 117
- Purge Replenishment Counts: page 9 – 56
- Reload Safety Stocks: page 9 – 25
- Reorder Point Report: page 15 – 125
- Serial Generation: page 5 – 157
- Serial Number Detail: page 15 – 63
- Serial Number Transaction Register: page 15 – 23
- Shortages Summary Report: page 15 – 37
- Shortage Parameter Report: page 15 – 39
- Status Attributes Listing: page 15 – 118
- Subinventory Listing: page 15 – 119
- Subinventory Quantities Report: page 15 – 110
- Transaction Purge: page 7 – 66
- Transaction Historical Summary: page 15 – 27
- Transaction Register: page 15 – 30
- Transaction Source Type Summary: page 15 – 34
- Transfer Transactions to GL: page 10 – 3
- Unit of Measure Listing: page 15 – 120
- Update item statuses with pending statuses: page 4 – 23
- Supplier Lot Trace Report: page 15 – 66
- Forecast Comparison Report, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*

- Forecast Detail Report, *Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*
- Expected Receipts Report, *Oracle Purchasing User's Guide*
- Invoice Price Variance Report, *Oracle Purchasing User's Guide*
- Overdue Supplier Shipements Report, *Oracle Purchasing User's Guide*
- Purchase Price Variance Report, *Oracle Purchasing User's Guide*
- Receipt Adjustments Report, *Oracle Purchasing User's Guide*
- Receipt Traveler, *Oracle Purchasing User's Guide*
- Receiving Account Distribution Report, *Oracle Purchasing User's Guide*
- Receiving Exceptions Report, *Oracle Purchasing User's Guide*
- Receiving Transactions Register, *Oracle Purchasing User's Guide*
- Receiving Value Report by Destination Account, *Oracle Purchasing User's Guide*

Inactive Items Report

Use the Inactive Items Report to print items that have not had an inventory transaction since the date you specify. You can use this report to isolate items that have become inactive and verify their status.

Report Submission

Use the Transaction Reports, Item Reports, or Submit Requests window and enter *Inactive items report* in the Name field to submit the report.

Report Parameters

Display and Break on Subinventory

Choose one of the following options:

Yes	Print inactive items grouped by subinventory.
No	Print all inactive items in item number order.

Category Set

Enter a category set. The report shows inactive items associated with this category set.

Inactive Since

Enter a date. The report prints the items that have not transacted since the date you enter.

Subinventory From

Enter a beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Reservations Report

Use the Item Reservations Report to determine how many units of an item are reserved for an account, an account alias, or for user–defined source types.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Item reservations report* in the Name field to submit the report.

Report Parameters

Display and Break on Category

Choose one of the following options:

Yes	Prints the report in Category sequence.
No	Does not display category on the report.

Sort By

Choose one of the following options:

Required Date	Report by required date.
Item	Report by inventory item.
Source Type	Report by source type, for example, by account or sales order.

Required Dates From

Enter a beginning required date to restrict the report to a range of dates.

To

Enter an ending required date to restrict the report to a range of dates.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Transaction Source Type

Choose one of the following options. In addition to the predefined source types listed below, you may have additional user–defined source types.

Account	Report general ledger account transactions.
Account alias	Report account alias transactions.
Inventory	Report inventory transactions.
Job or Schedule	Report job or repetitive schedule transactions.
Sales order	Report sales order transactions.

Source From

Enter the beginning value to restrict the report to a range of source values. A source is the identifier associated with the transaction source type. For example, the source for a sales order reservation is the sales order number.

To

Enter the ending source value to restrict the report to a range of source values.

Category Set Name

Enter a category set. The report shows reservations for items in this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories. A reservation does not have a category. However, a reserved item can be grouped or selected by category.

To

Enter the ending category to restrict the report to a range of categories.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Lot Transaction Register

Use the Lot Transaction Register for lot transaction audits. You can use this report to audit lot transactions for a specified time interval, for a range of dates, for ranges of items or categories, of for other criteria. You can use the report to analyze the cost and value of transacted items under lot control. You can also use this report to cross–reference lot numbers to serial numbers.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Lot transaction register* in the Name field to submit the report.

Report Parameters

Unit of Measure

Choose one of the following options:

Primary	Report primary unit of measure.
Transaction	Report transaction unit of measure.

Transaction Dates From

Enter the beginning transaction date to restrict the report to a range of dates.

To

Enter the ending transaction date to restrict the report to a range of dates.

Audit Detail

Enter *Yes* or *No* to indicate whether to print audit detail.

Reason Detail

Enter *Yes* or *No* to indicate whether to print reason detail.

Location Detail

Enter *Yes* or *No* to indicate whether to print location detail.

Category Detail

Enter *Yes* or *No* to indicate whether to print category detail.

Serial Number Detail

Enter *Yes* or *No* to indicate whether to print serial number detail.

Lot Numbers From

Enter the beginning lot number to restrict the report to a range of lots.

To

Enter the ending lot number to restrict the report to a range of lots.

Items From

Enter the beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Transaction Types From

Enter a beginning transaction type to restrict the report to a range of transaction types.

To

Enter an ending transaction type to restrict the report to a range of transaction types

Transaction Reasons From

Enter a from transaction reason to restrict the report to a range of transaction reasons.

To

Enter an ending transaction reason to restrict the report to a range of transaction reasons.

Subinventories From

Enter a beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

Category Set

Enter a category set. The report shows lot number transactions associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Source Type

Choose one of the following options. In addition to the predefined source types listed below, you may have additional user–defined source types.

Account	Report general ledger account transactions.
Account alias	Report account alias transactions.
Cycle Count	Report cycle count transactions.
Internal order	Report internal order transactions.
Internal Requisition	Report internal requisition transactions.
Job or Schedule	Report job or repetitive schedule transactions.

Physical Inventory	Report physical inventory transactions.
Purchase order	Report purchase order transactions.
RMA	Report return material authorization transactions.
Sales order	Report sales order transactions.

Transaction Sources From

Enter a beginning transaction source to restrict the report to a range of transaction sources.

To

Enter an ending transaction source to restrict the report to a range of transaction sources.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Material Account Distribution Detail

Use the Material Account Distribution Detail Report to view the accounts charged for inventory transactions. You can review inventory transaction values transferred to the general ledger by GL batch. This feature helps you reconcile your inventory accounting to your general ledger. See: Period Close, *Oracle Cost Management User's Guide*.

Report Submission

Use the Transaction Reports, Cost and Period Close Reports, or Submit Requests window and enter *Material account distribution detail* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Account	Sort the report by general ledger account.
Account, Item	Sort the report by general ledger account and then by item.
Item, Account	Sort the report by item and then by general ledger account.
Account, Subinventory	Sort the report by general ledger account and then by subinventory.
Subinventory, Account	Sort the report by item, then by subinventory, and then by general ledger account.

Transaction Type Option

Display Transaction Source Type	Display the transaction source type name.
Display Transaction Type	Display the transaction type name.

Transaction Dates From

Enter a beginning required transaction date to restrict the report to a range of transaction dates.

To

Enter an ending required transaction date to restrict the report to a range of transaction dates.

Accounts From

Enter the beginning account to restrict the report to a range of accounts.

To

Enter the ending account to restrict the report to a range of accounts.

Category Set

Enter a category set. The report shows transactions associated with this category set.

Categories From

Enter the beginning category to restrict the report to a range of categories in the selected category set.

To

Enter an ending category to restrict the report to a range of categories in the selected category set.

Items From

Enter the beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Subinventories From

Enter the beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

Transaction Values From

Enter a beginning transaction value to restrict the report to a range of transaction values.

> **Note:** When you use this option, the report evaluates the transaction amounts in absolute value. Therefore, if you enter a from value of 100, the report selects all transactions with positive (debit) or negative (credit) values greater than or equal to 100.

To

Enter the ending transaction value to restrict the report to a range of transaction values.

> **Note:** When you use this option, the report evaluates the transaction amounts in absolute value. Therefore, if you enter a to value of 100,000, the report selects all transactions with positive (debit) or negative (credit) values less than or equal to 100,000.

GL Batch

Enter a general ledger batch number.

Transaction Source Type

Choose one of the following options. In addition to the predefined source types listed below, you may have additional user–defined source types.

Account	Report general ledger account transactions.
Account alias	Report account alias transactions.
Cycle Count	Report cycle count transactions.
Internal order	Report internal order transactions.
Internal Requisition	Report internal requisition transactions.
Inventory	Report inventory transactions.
Job or Schedule	Report job or repetitive schedule transactions.

Physical Inventory	Report physical inventory transactions.
Purchase order	Report purchase order transactions.
RMA	Report return material authorization transactions.
Sales order	Report sales order transactions.
Standard cost update	Report standard cost update transactions.

Sources From

Enter the beginning source value to restrict the report to a range of source values for the transaction source type you specified.

To

Enter the ending source value to restrict the report to a range of source values for the transaction source type you specified.

Transaction Type

If you entered a transaction source type, you can enter a transaction type. The report shows only transactions associated with this transaction type. If you do not enter a value in this field, the report prints transactions for all transaction types.

Transaction Reason

Enter a transaction reason. The report shows only transactions associated with this transaction reason. If you do not enter a value in the field, the report prints transactions for all transaction reasons.

Currency

Select a currency. You can run this report for any defined currency, but your functional currency is the default. If you select another currency, item costs are converted to the selected currency using the End of Period rate you select in the Exchange Rate field.

Exchange Rate

Select an exchange rate. If you do not select your functional currency, the default is the most recent End of Period rate. However, you can select any prior End of Period rate.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Move Order Pick Slip Report

Use the Move Order Pick Slip Report to print move order pick slips. You can run this report before or after the move order transaction is committed.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Move Order Pick Slip* in the Name field to submit the report.

Report Parameters

Move Order Number

Select the move order number for which you want to print a pick slip.

Header ID From / To

Enter a beginning and ending header ID number for the move order for which you want to print a pick slip.

Date Required From / To

Enter the beginning and ending date for the period for which you want to print a pick slip.

Source Subinventory

Select a source subinventory.

Source Locator

Enter the source stock locators.

Destination Subinventory

Select the destination subinventory.

Destination Locator

Enter the destination stock locators.

Requestor

Enter the name of the person requesting the move order.

Print Options

Select one of the following options:

Transacted Lines	To print a pick slip for move order lines that have been transacted.
Untransacted Lines	To print a pick slip for move order lines that have not been transacted.
All Lines	To print a pick slip for both move order lines that have been transacted and those that have not been transacted.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Material Account Distribution Summary

Use the Material Account Distribution Summary report to review your inventory accounting activity. If you detect unusual accounts or amounts, use the Material Account Distribution Detail report to print the transaction in detail. You can also use the Material Account Distribution Summary Report to verify your inventory account activity against your inventory valuation increases or decreases for the accounting period. Finally, you can use this report to reconcile an account across several periods.

Report Submission

Use the Transaction Reports, Cost and Period Close Reports, or Submit Requests window and enter *Material account distribution summary* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Account, Item	Sort the report by general ledger account and then by item.
Account, Transaction Type	Sort the report by general ledger account and then by transaction type.
Account, Source Type	Sort the report by general ledger account and then by transaction source type.
Account, GL Batch	Sort the report by general ledger account and then by general ledger batch.

Transaction Dates From

Enter a beginning required date to restrict the report to a range of transaction dates.

To

Enter an ending required date to restrict the report to a range of transaction dates.

Accounts From

Enter a beginning account from the list of accounts to restrict the report to a range of accounts.

To

Enter an ending account to restrict the report to a range of accounts.

GL Batch Name

Enter the general ledger batch name. This option limits the report to the GL Batch Name you enter. This is helpful when trying to reconcile inventory transactions to the general ledger.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Serial Number Transaction Register

Use the Serial Number Transaction Register for serial number transaction audits. You can use this report to audit serial number transactions for a specified time interval, location or group of locations, reason or group of reasons, or other criteria. For example if your user–defined reason codes include *Fail* or *Rework*, you can use this report to isolate the serial numbers for these reason codes. You can use this report as a balancing report to determine if both the receipt and issue of a serial number have occurred. You can also use this report to determine the monetary value of serial numbered items in inventory or of items under serial number control that have been shipped.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Serial number transaction register* in the Name field to submit the report.

Report Parameters

Unit of Measure

Choose one of the following options:

Primary	Report primary unit of measure.
Transaction	Report transaction unit of measure.

Transaction Dates From

Enter a beginning required date to restrict the report to a range of transaction dates.

To

Enter an ending required date to restrict the report to a range of transaction dates.

Audit Detail

Enter *Yes* or *No* to indicate whether to print audit detail.

Reason Detail

Enter *Yes* or *No* to indicate whether to print reason detail.

Location Detail

Enter *Yes* or *No* to indicate whether to print location detail.

Category Detail

Enter *Yes* or *No* to indicate whether to print category detail.

Lot Number Detail

Enter *Yes* or *No* to indicate whether to print lot number detail.

Serial Numbers From

Enter a beginning serial number to restrict the report to a range of serial numbers.

To

Enter an ending serial number to restrict the report to a range of serial numbers.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Transaction Types From

Enter a beginning transaction type to restrict the report to a range of transaction types.

To

Enter an ending transaction type to restrict the report a range of transaction types.

Transaction Reasons From

Enter a from transaction reason to restrict the report to a range of reasons.

To

Enter an ending transaction reason to restrict the report to a range of reasons.

Subinventories From

Enter a beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

Category Set

Enter a category set. The report shows serial number transactions associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Source Type

Choose one of the following options. In addition to the following predefined source types, you may have additional user–defined source types.

Account	Report general ledger account transactions.
Account alias	Report account alias transactions.
Cycle Count	Report cycle count transactions.

Internal order	Report internal order transactions.
Internal Requisition	Report internal requisition transactions.
Job or Schedule	Report job or repetitive schedule transactions.
Physical Inventory	Report physical inventory transactions.
Purchase order	Report purchase order transactions.
RMA	Report return material authorization transactions.
Sales order	Report sales order transactions.

Transaction Sources From

Enter a beginning transaction source to restrict the report to a range of source

To

Enter an ending transaction source to restrict the report to a range of transaction sources.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Transaction Historical Summary Report

Use the Transaction Historical Summary Report to report past item quantities, past item value, or past inventory balances. The report calculates historical balances based on a rollback date. The report rolls back all of the transactions for the item to the date you specify and prints the quantity, value, or balance as of that date. In addition, the value and quantity versions let you specify the source type. The report sums the transactions for the item and reports the value or quantity by source type. The report aggregates transaction source types not selected for a specific column in the Other column of the report.

You can use the Balance and Value version of the report totals to determine the gross change in monetary value of a subinventory or inventory for a period of time. For example, if you have two periods open and you want to see the prior period's inventory balance, you can roll back all transactions to the beginning date of the period. Another example would be to generate the report by value and put the rollback date as of your last physical inventory. This would allow you to audit the source transaction values that have created the change from the last physical inventory to the current inventory value.

You can also use this report to measure the volume of throughput in the inventory. The volume of the throughput is the total item quantity that has gone in and out of the inventory from a rollback date you specify to today. You can also use this report to measure the monetary value throughput for the inventory or a subinventory from a date you specify. For example, the source type sales orders and inventory transfers could be analyzed for the value transacted for the last month. By contrast, you could run the quantity option for the same source types and see the number of units transacted for the same period.

Finally, you can use the report to analyze the source of the transactions that have raised and lowered the quantity or value for the items by category. This is a useful tool for sales or purchasing evaluations of item categories.

Report Submission

Use the Transaction Reports, Cost and Period Close Reports, On–hand Quantity Reports. or Submit Requests window and enter *Transaction historical summary* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Subinventory	Sort the report by subinventory.
Item	Sort the report by inventory item.
Category	Sort the report by category.

Selection Option

Choose the following option:

Quantity	Report past on–hand quantities and transaction sources that produced the quantities.

Rollback to this Date

Enter a date from which you want to report past quantity, value, or balances.

Category Set

Enter a category set. The report shows past quantity, value, or balances associated with items in this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Subinventories From

Enter a beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

Source Type for Column One

Enter a transaction source type. The report enumerates transaction quantities or value associated with this transaction source type. Source types not selected for a specific column are aggregated as Other in the report. If your selection option is *Balance*, the report considers all source types.

Source Type for Column Two

Enter a transaction source type. The report enumerates transaction quantities or value associated with this transaction source type. If your selection option is *Balance*, the report considers all source types.

Source Type for Column Three

Enter a transaction source type. The report enumerates transaction quantities or value associated with this transaction source type. If your selection option is *Balance*, the report considers all source types.

Source Type for Column Four

Enter a transaction source type. The report enumerates transaction quantities or value associated with this transaction source type. If your selection option is *Balance*, the report considers all source types.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Transaction Register

Use the Transaction Register:

- as an audit report
- to review the transaction date versus the exact date an item was transacted
- to review the reason an item was moved into a subinventory by running the report for reason only and limiting the from and to subinventory
- to check the value of inventory
- to report the categories of items that have shipped and the total unit cost for the category
- for tracing serial numbers by location

If you run this report without any detail and for a date range, you can use it as a batch transaction report.

Attention: This register should *not* be used to reconcile your inventory transactions or balances to your general ledger. This report displays a transaction value for all transactions including receipts of expense items into asset subinventories. These transactions are not part of your inventory balances. In addition, this report does *not* show valuation charges, such as the average or standard cost update.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Transaction register* in the Name field to submit the report.

Report Parameters

Sort By

Choose to sort the report by one of the following options:

- *Item*
- *Transaction Date*
- *Transaction Type*
- *Source Type*
- *Reason*

- *Subinventory*
- *Category*

Unit of Measure

Choose to report in either the *Primary* or *Transaction* unit of measure

Transaction Dates From

Enter a beginning required date to restrict the report to a range of dates.

To

Enter an ending required date to restrict the report to a range of dates.

Audit Detail

Enter *Yes* or *No* to indicate whether to print audit detail.

Reason Detail

Enter *Yes* or *No* to indicate whether to print reason detail.

Location Detail

Enter *Yes* or *No* to indicate whether to print location detail.

Category Detail

Enter *Yes* or *No* to indicate whether to print category detail.

Serial Number Detail

Enter *Yes* or *No* to indicate whether to print serial number detail.

Lot Number Detail

Enter *Yes* or *No* to indicate whether to print lot number detail.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Transaction Types From

Enter a beginning transaction type to restrict the report to a range of transaction types.

To

Enter an ending transaction type to restrict the report to a range of transaction types.

Transaction Reasons From

Enter a beginning transaction reason to restrict the report to a range of transaction reasons.

To

Enter an ending transaction reason to restrict the report to a range of transaction reasons.

Subinventories From

Enter a beginning subinventory to restrict the report to a range of subinventories.

Subinventory To

Enter an ending subinventory to restrict the report to a range of subinventories.

Category Set

Enter a category set. The report shows transactions associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Source Type

Choose one of the following options. In addition to the predefined source types listed below, you may have additional user–defined source types.

Account	Report general ledger account transactions.
Account alias	Report account alias transactions.
Cycle Count	Report cycle count transactions.
Internal order	Report internal order transactions.
Internal Requisition	Report internal requisition transactions.
Inventory	Report inventory transactions.
Job or Schedule	Report job or repetitive schedule transactions.
Physical Inventory	Report physical inventory transactions.
Purchase order	Report purchase order transactions.
RMA	Report return material authorization transactions.
Sales order	Report sales order transactions.
Standard cost update	Report standard cost update transactions.

Sources From

Enter a beginning source to restrict the report to a range of sources.

To

Enter an ending source to restrict the report to a range of sources.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Transaction Source Type Summary

Use the Transaction Source Type Summary to report on–hand quantities and transaction sources that produced the quantities or inventory value. For example, you can use the report to view the total quantity of a category of items transacted in the past week, by selecting the category sort and by limiting the category. Enter a date range for the one week interval with a selection option of *Quantity*.

You can also use the report to monitor an engineering subinventory for the monetary value issued and received to engineering account numbers and other stockrooms, by limiting the subinventory to engineering with a selection option of *Value*. If you set up source types for asset and expense accounts and a source type for transaction to other subinventories, assign them to column one, two, and three.

You can also use the report to determine how many transactions have been processed for sales orders, by limiting the source type to sales orders and selecting option *Frequency*.

Attention: You should not use this report to reconcile your inventory transactions or balances to your general ledger. This report displays a transaction value for all transactions including receipts of expense items into asset sub–inventories. These transactions are not part of your inventory balances. In addition, this report does not show valuation charges, such as the average or standard cost update.

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Transaction source type summary* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Subinventory	Sort the report by subinventory.
Item	Sort the report by inventory item.
Category	Sort the report by category.

Selection Option

Choose one of the following options:

Quantity	Report on–hand quantities and transaction sources that produced the quantities.
Frequency	Report inventory frequency. Reports the volume or how many transactions occurred.
Value	Report inventory value. Prints the value of the quantity times the item unit cost at the time of the transaction.

Transaction Dates From

Enter a beginning required date to restrict the report to a range of transaction dates.

To

Enter an ending required date to restrict the report to a range of transaction dates.

Category Set

Enter a category set. The report shows quantity, value, or frequency associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories. If you do not enter a value in the field, the report prints all of the categories.

To

Enter an ending category to restrict the report to a range of categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Subinventories From

Enter a beginning subinventory to restrict the report to a range of subinventories.

To

Enter an ending subinventory to restrict the report to a range of subinventories.

Source Type for Column One

Enter a transaction source type. The report shows transactions quantity, value, or frequency associated with this transaction source type.

Source Type for Column Two

Enter a transaction source type. The report shows transactions quantity, value, or frequency associated with this transaction source type.

Source Type for Column Three

Enter a transaction source type. The report shows transactions quantity, value, or frequency associated with this transaction source type.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Shortages Summary Report

The Shortages Summary Report provides information on the following: items for which shortages are detected, the jobs or orders that exist as unfulfilled demand for those items, and the quantities needed. The report allows you to expedite material to where it is most needed, based on outstanding shortages.

Report Submission

Use the Shortage Reports or Submit Requests window and enter *Shortages summary report* in the Name field to submit the report. You can submit the report to select shortages based on an item, a group of consecutive items, an item category, or an item planner.

Report Parameters

Group Option

Choose one of the following options:

Item Category	Group report entries by item category
Item	Group report entries by item
Item Planner	Group report entries by item planner

Item Category Set

Enter an item category set. The report shows shortages for items in this category set.

Item Categories From

Enter a beginning item category to restrict the report to a range of item categories.

To

Enter the ending category to restrict the report to a range of item categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Item Planner

Enter an item planner to restrict the report to shortage items of this item planner.

With on–hand quantity only

Enter *Yes* or *No* to indicate whether the report will include only items for which there exists on–hand quantity.

Send Notifications

Enter *Yes* or *No* to indicate whether you want the system to send notifications about shortage items to the pre–specified distribution list.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Shortage Parameter Report

Use the Shortage Parameter Report to view information about the shortage parameter setup.

Report Submission

Use the Shortage Reports or Submit Requests window and enter *Shortage parameter report* in the Name field to submit the report.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Global Transaction Purge

Use the Global Transaction Purge Report to purge inventory transactions across multiple organizations set up in an organization hierarchy.

Prerequisites

Set up an Organization Hierarchy, *Using Oracle HRMS – The Fundamentals (US)*

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Global Transaction Purge* in the Name field to submit the report.

Report Parameters

Hierarchy Origin

Enter a hierarchy origin (organization) for which you would like to execute the program. This organization may have subordinate organizations.

Hierarchy

Enter a valid organization hierarchy name from the list of values. You can choose any organization hierarchy where the current organization is a member, and purge inventory transactions for all subordinate organizations.

Purge Date

Enter the desired purge date. You can purge transactions up to this date, provided that they exist in a closed period.

Purge Name

Enter the purge name.

Request Limit.

Enter the number of requests to actively run at one time. This parameter allows you to specify the request count irrespective of the number of organizations belonging to an organization hierarchy, aiding in possible performance issues. For example, if an organization hierarchy has 500 subordinate organizations, the Global Transaction Purge program would have to process 500 requests at a time, which could lead to performance issues. Using this parameter, you can aid this by stipulating a maximum number of requests.

See Also

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Submitting a Request, *Oracle Applications User's Guide*

Open Period Status Control

Use the Open Period Status Control program to open a period across multiple organizations and periods.

Prerequisites

Set up an Organization Hierarchy, *Using Oracle HRMS – The Fundamentals (US)*

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Run Open Period Control* in the Name field to submit the request.

Report Parameters

Hierarchy Origin

Enter a hierarchy origin (organization) for which you would like to execute the program. This organization may have subordinate organizations.

Hierarchy

Enter a valid organization hierarchy name from the list of values. You can choose any organization hierarchy where the current organization is a member, and open periods for all subordinate organizations. You can choose any organization hierarchy where all organizations subordinate to the hierarchy origin share the same item master, single calendar and chart of accounts.

Number of Periods to Open

Enter the number of periods to open. You can open the next periods and additional periods for the hierarchy origin organization, and open the same periods for any subordinate organizations in the organization hierarchy. To open periods, they must have a Future status.

See Also

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Close Period Status Control

Use the Close Period Status Control program to close a period across multiple organizations and periods.

Prerequisites

Set up an Organization Hierarchy, *Using Oracle HRMS – The Fundamentals (US)*

Report Submission

Use the Transaction Reports or Submit Requests window and enter *Run Close Period Control* in the Name field to submit the request.

Report Parameters

Hierarchy Origin

Enter a hierarchy origin (organization) for which you would like to execute the program. This organization may have subordinate organizations.

Hierarchy

Enter a valid organization hierarchy name from the list of values. You can choose any organization hierarchy where the current organization is a member, and close periods for all subordinate organizations. You can choose any organization hierarchy where all organizations subordinate to the hierarchy origin share the same item master, single calendar and chart of accounts.

Close Period From

Enter the list of valid periods to close. You can close the next periods and additional periods for the hierarchy level, and close the same periods for any subordinate organizations.

Request Count

Enter the number of requests to actively run at one time. This parameter enables you to specify the request count irrespective of the number of organizations belonging to an organization hierarchy, aiding

in possible performance issues. For example, if an organization hierarchy has 500 subordinate organizations, the Close Period Status Control program would have to process 500 request sets at a time, which could lead to performance issues. Using this parameter, you can aid this by stipulating a maximum number of requests.

Attention: You can run this program for the same period multiple times for one hierarchy, even if the hierarchy origin is closed.

See Also

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Submitting a Request, *Oracle Applications User's Guide*

Expired Lots Report

Use the Expired Lots Report to:

- isolate lots that are about to expire
- find lots which have already expired
- find serial numbers assigned to lots that are going to expire

Report Submission

Use the Item Reports or Submit Requests window and enter *Expired lots report* in the Name field to submit the report.

Report Parameters

Expiration Date

Enter a date. The report shows lots that expired before the date you enter.

Items From

Enter a beginning value to restrict the report to a range of items.

To

Enter an ending value to restrict the report to a range of items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Categories Report

Use the Item Categories Report to list items and their associated categories. Categories let you group items that share similar characteristics.

Report Submission

Use the Item Reports, Setup Reports, or Submit Requests window and enter *Item categories report* in the Name field to submit the report.

Report Parameters

Category Set

Enter a category set. The report shows items associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories assigned to this category set.

To

Enter an ending category to restrict the report to a range of categories associated with this category set.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Cross–References Listing

Use the Item Cross References Listing to report cross–references that you associate with each item.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item cross–references listing* in the Name field to submit the report.

Report Parameters

Report Type

Choose one of the following options:

Item by Cross Reference	Sort the report first by item and then by item cross reference.
Cross Reference by Item	Sort the report first by item cross reference and then by item.

Category Set

Enter a category set. The report shows item cross references associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category restrict the report to a range of categories.

Cross Reference Type

Enter an item cross reference type. Choose from the Cross Reference types you set up in the Cross–Reference Types window.

Cross Reference From

Enter a beginning item cross reference to restrict the report to a range of item cross references.

To

Enter an ending item cross reference to restrict the report to a range of item cross references.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Definition Detail

Use the Item Definition Detail report to view comprehensive information for items. Use this report to verify items have been classified in conformance with decisions you have made regarding how the parts are to be planned, costed, and located. Item master detail is referenced in most other modules in Oracle Manufacturing for information on how to process or handle items. Use this report to confirm that the item master has correct settings for the functions you want performed on items. The report prints the item definition for the organization in which you submit the report.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item definition detail* in the Name field to submit the report.

Report Parameters

Display and Break on Category

Choose one of the following options:

Yes	Sort report by category and break on category.
No	Do not sort and break on category.

Category Set

Enter a category set. The report shows items associated with this category set.

Categories From

Enter the beginning manufacturing category to restrict the report to a range of categories.

To

Enter the ending manufacturing category to restrict the report to a range of categories.

Items From

Enter the beginning item number to restrict the report to a range of items.

To

Enter the beginning item number to restrict the report to a range of items.

All Item Attribute Groups

Enter *Yes* or *No* to indicate whether to print all item attribute groups detail.

General Information (Main) Item Attributes

Enter *Yes* or *No* to indicate whether to print general information item attributes detail.

Bill of Materials Item Attributes

Enter *Yes* or *No* to indicate whether to print bill of materials item attributes detail.

Costing Item Attributes

Enter *Yes* or *No* to indicate whether to print costing item attributes detail.

Purchasing Item Attributes

Enter *Yes* or *No* to indicate whether to print purchasing item attributes detail.

Receiving Item Attributes

Enter *Yes* or *No* to indicate whether to print receiving item attributes detail.

Inventory Item Attributes

Enter *Yes* or *No* to indicate whether to print inventory item attributes detail.

Physical Item Attributes

Enter *Yes* or *No* to indicate whether to print physical item attributes detail.

General Planning Item Attributes

Enter *Yes* or *No* to indicate whether to print general planning item attributes detail.

MPS/MRP Planning Item Attributes

Enter *Yes* or *No* to indicate whether to print MPS/MRP planning item attributes detail.

Lead Time Item Attributes

Enter *Yes* or *No* to indicate whether to print lead time item attributes detail.

Work in Process Item Attributes

Enter *Yes* or *No* to indicate whether to print work in process item attributes detail.

Order Management Item Attributes

Enter *Yes* or *No* to indicate whether to print order entry item attributes detail.

Invoicing Item Attributes

Enter *Yes* or *No* to indicate whether to print invoicing item attribute detail.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Definition Summary

Use the Item Definition Summary report to print a limited amount of information about items, such as description, status, and cost.

You can use this report as a cost audit tool to review the catalog description and item cost.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item definition summary* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Item	Sort the report by item.
Category, Item	Sort the report by category and then by item.
Item Catalog Group, Item	Sort the report by item catalog group and then by item.

Item Description Option

Choose one of the following options:

Item Description	Print the item description you defined.
Item Catalog Description	Print the item catalog description of the item.

Item Catalog Groups From

Enter a beginning item catalog group to restrict the report to a range of item catalog groups.

To

Enter an ending item catalog group to restrict the report to a range of item catalog groups.

Category Set Name

Enter a category set. The report shows items associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Demand History Report

Use the Item Demand History Report to report results of the most recent compilation of item demand history. You can compile the demand history by using the Compile Demand History form or the Forecast Load form. The item demand history shows you what the item demand is for each period and for each transaction source type. You can use this report to review the sales demand for daily, weekly, or monthly time periods.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item demand history report* in the Name field to submit the report.

Report Parameters

Category Set

Enter a category set. The report shows item demand histories associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Bucket Type

Choose one of the following options:

Days	Report the activity date for daily period
Weeks	Report the activity dates for weekly time periods
Periods	Report the activity dates based on the manufacturing calendar monthly period type for the organization.

If you choose a bucket type which has not been compiled the report shows no data. For example, if the compile has been done for periods and you choose weeks, the resulting report shows no data. If you rerun the report and choose periods the data for the items is printed.

History Start Date

Enter the start date that you want to print the result of the most recent item demand history compile.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Relationships Listing

Use the Item Relationships Listing to list items with related or substitute item relationships. Item relationships are a way of defining acceptable substitutes for items. You receive a substitute item if your supplier cannot ship the original item on the purchase order. The listing can also be used to review catalog descriptions.

The Item Relationships Listing reports the unit of issue rather than the item unit of measure. The unit of issue is the amount in which the item is packaged.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item relationships listing* in the Name field to submit the report.

Report Parameters

Report Relationship Type

Choose one of the following options:

Related	Report related items.
Substitute	Report substitute items.

Item Description Type

Choose one of the following options:

Item Description	Report item description.
Item Catalog Description	Report item catalog description.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Category Set

Enter a category set. The report shows item relationships associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Statuses Report

Use the Item Statuses Report to view the item statuses. For example, you can use the report to review all pending statuses by making the effective date and the report date the same. If the item has a pending status, the report prints both the current and the new status effective date. A status changes from new to current on the effective date of the new status, provided the Update Item Status With Pending Status process has been run. Typically this process runs nightly. If so, any status date earlier than the report date is a current status.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item statuses report* in the Name field to submit the report.

Report Parameters

Display and Break on Category

Enter *Yes* or *No* to indicate whether to display and sort the report category and then by item status.

Category Set

Enter a category set. The report shows item status associated with this category set.

Categories From

Enter a beginning category to restrict the report to a range of categories.

To

Enter an ending category to restrict the report to a range of categories.

Items From

Enter a beginning item to restrict the report to a range of items.

To

Enter an ending item to restrict the report to a range of items.

Status Effective Date

Enter a status effective date. The report prints all statuses pending on or after this date. If you choose the current date the report prints all pending statuses. If you do not enter a date, the report prints all statuses, current and pending.

Item Status

Enter an item status. If you enter a value in this field, the report prints only items with the specified status.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item–Subinventory Report

Use the Item–Subinventory Report to list items assigned to subinventories. You can also use this report to

- review items restricted to subinventories
- identify items min–max planned at the subinventory level
- review the default requisition information used by the replenishment processor for items assigned to subinventories

Report Submission

Use the Item Reports or Submit Requests window and enter *Item–subinventory report* in the Name field to submit the report.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Template Listing

Use the Item Template Listing to review the template definitions. A template is a way to define a set of attribute values.

Report Submission

Use the Item Reports, Setup Reports, or Submit Requests window and enter *Item template listing* in the Name field to submit the listing.

Report Parameters

All Template Flag

Enter *Yes* or *No* to indicate whether to print all template flag detail.

Item Template

Enter an item template. If you enter *Yes* in the All Template Flag field, you cannot enter a value in this field.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Serial Number Detail

Use the Serial Number Detail report to print information about current serialized units of inventory items.

Report Submission

Use the Item Reports or Submit Requests window and enter *Serial number detail* in the Name field to submit the report.

Report Parameters

Serialized Unit Status

Choose one of the following options to restrict the report to that status:

Defined but not used	Report defined but not used serial units.
Resides in stores	Report serialized units that reside in inventory.
Issued out of stores	Report serialized units that are issued out of inventory.
Resides in intransit	Report serialized units that reside in intransit.

Source Type

Choose one of the following options. In addition to the predefined source types listed below, you may have additional user–defined source types.

Account	Report serialized units associated with general ledger account transactions. This source type is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.
Account alias	Report serialized units associated with account alias transactions. This source type is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.
Cycle Count	Report serialized units associated with cycle count transactions. This source type is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.

Internal order	Report serialized units associated with internal orders. This source is not valid with *Defined but not used* or *Resides in stores* serialized unit statuses.
Internal requisition	Report serialized units associated with internal requisitions. This source type is not valid with *Defined but not used*, *Resides in intransit*, or *Issued out of stores* serialized unit statuses.
Inventory	Report serialized units associated with inventory transactions. This source type is not valid with *Defined but not used* serialized unit status.
Job or Schedule	Report serialized units associated with job or repetitive schedules. This source is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.
Physical Inventory	Report serialized units associated with physical inventory transactions. This source type is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.
Purchase order	Report serialized units associated with purchase orders. This source is not valid with *Defined but not used* or *Resides in intransit* serialized unit statuses.
RMA	Report serialized units associated with return material authorizations. This source type is not valid with *Defined but not use*d or *Resides in intransit* serialized unit statuses.
Sales order	Report serialized units associated with sales orders only. This source type is not valid with *Defined but not used*, *Resides in intransit*, or *Resides in stores* serialized unit statuses.

Serial Numbers From

Enter the beginning serial number to restrict the report to a range of serial numbers.

To

Enter the ending serial number to restrict the report to a range of serial numbers.

Items From

Enter the beginning item to restrict the report to a range of items.

To

Enter the ending item to restrict the report to a range of items.

Suppliers From

Enter the beginning supplier to restrict the report to a range of suppliers.

To

Enter the ending supplier to restrict the report to a range of suppliers.

Supplier Serial Numbers From

Enter the beginning value to restrict the report to a range of supplier serial numbers.

To

Enter the ending value to restrict the report a range of values.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Supplier Lot Trace Report

Use the Supplier Lot Trace Report to trace a specific lot to its supplier lot. For the tracing report, you specify the item to trace. You can also specify a lot number or supplier lot number. Otherwise, the report traces all relevant lots. Tracing shows you the lot transactions related to your request. You see the transaction dates, inventory items, lot numbers, and transaction quantity.

Report Submission

Use the Item Reports or Submit Requests window and enter *Supplier lot trace report* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Item, Lot Number	Report by item.
Lot number, Item	Report by lot number.
Supplier lot number, Item	Report by supplier lot number.

Dates From

Enter a beginning transaction date to restrict the report to a range of dates.

To

Enter an ending date to restrict the report to a range of dates.

Lot Numbers From

Enter the beginning lot number to restrict the report to a range of lot numbers.

To

Enter the ending lot number to restrict the report to a range of lot numbers.

Supplier Lot Number

Enter the supplier lot number that you want to trace.

Items From

Enter the beginning item to restrict the report to a range of items.

To

Enter the ending item to restrict the report to a range of items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Customer Item Commodity Codes Listing

Use the Customer Item Commodity Codes Listing to print a listing of customer item commodity codes with their inactive dates.

Report Submission

Use the Item Reports or Submit Requests window and enter *Customer item commodity codes listing* in the Name field to submit the report.

Report Parameters

Commodity Code From

Enter a beginning commodity code to restrict the report to a range of commodity codes.

To

Enter an ending commodity code to restrict the report to a range of codes.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Defining Commodity Codes: page 4 – 43

Customer Item Cross References Report

Use the Customer Item Cross References Report to print a listing of customer item cross references.

Report Submission

Use the Item Reports or Submit Requests window and enter *Customer item cross references report* in the Name field to submit the report.

Report Parameters

Customer

Enter the customer number to restrict the report to a specific customer.

Address Category

If you have entered a customer number, enter an address category to restrict the report to a specific address category.

Address

If you have entered a customer number, enter an address to restrict the report to a specific address.

Item Level

Enter the item level to restrict the report to a specific item level.

Customer Item Number From

Enter a beginning customer item number to restrict the report to a range of customer items.

To

Enter an ending customer item to restrict the report to a range of items.

Preference Rank Lowest

Enter *Yes* or *No* to indicate whether to restrict the report to the inventory item with the lowest preference rank. If you enter *No*, the report will include all items.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Defining Customer Item Cross References: page 4 – 49

Customer Items Report

Use the Customer Items Report to print a listing of customer items.

Report Submission

Use the Item Reports or Submit Requests window and enter *Customer items report* in the Name field to submit the report.

Report Parameters

Customer

Enter the customer number to restrict the report to a specific customer.

Address Category

If you have entered a customer number, enter an address category to restrict the report to a specific address category.

Address

If you have entered a customer number, enter an address to restrict the report to a specific address.

Customer Item Number From

Enter a beginning customer item number to restrict the report to a range of customer items.

To

Enter an ending customer item to restrict the report to a range of items.

List Customer Items w/o Cross References

Enter *Yes* or *No* to indicate whether to include customer items for which no cross reference has been defined.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Defining Customer Items: page 4 – 45

Item Organization Assignment Report

Use the Item Organization Assignment program to assign an item, range of items, category set, or range of categories to multiple organizations belonging to the same Item Master Organization. This aids in the management of item setup and maintenance and is useful for companies that have a large number of inventory organizations utilizing the same item master.

Report Submission

Use the Item Reports or Submit Requests window and enter *Item Organization Assignment* in the Name field to submit the report.

Report Parameters

Hierarchy Origin

Enter a hierarchy origin (organization) for which you would like to assign items. This organization may have subordinate organizations.

Hierarchy

Enter a valid organization hierarchy name from the list of values. You can choose any organization hierarchy in which the current organization is a member, then assign items to all subordinate organizations. You can choose any organization hierarchy in which all organizations subordinate to the hierarchy origin share the same item master.

Category Set Name

Enter the category set name.

Categories From

Enter the range of item categories within the category set. You will be prompted to enter family and class information for the category.

To

Enter the range of item categories within the category set. You will be prompted to enter family and class information for the category.

Items From

Enter the beginning item number for the range of items that you are assigning.

To

Enter the ending item number for the range of items that you are assigning.

See Also

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Submitting a Request, *Oracle Applications User's Guide*

Period Close Value Summary

Use the Period Close Value Summary to see summary balances for your subinventories. If you run this report for a closed accounting period, the report displays the subinventory values at the end of that period. If you run the report for an open period, the report displays the subinventory value at the point in time you run the report. You can see more subinventory balance detail by running the Inventory Value Report, or the Elemental Inventory Value Report, *Oracle Cost Management User's Guide*.

Report Submission

Use the Cost and Period Close Reports window and enter *Period close value summary* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Subinventory	Sort the report by subinventory.
Ascending Value	Sort the report by subinventories in ascending value.
Descending Value	Sort the report by subinventories in descending value.

Scheduled Close Date

Enter a scheduled period close date. This is the end date that defines a period.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Forecast Rule Listing

Use the Forecast Rule Listing to view the data you entered for forecast rules.

Report Submission

Use the Planning and Forecasting Reports, Setup Reports, or Submit Requests window and enter *Forecast rule listing* in the Name field to submit the listing.

Report Parameters

Forecast Rules From

Enter a beginning forecast rule to restrict the report to a range of forecast rules.

To

Enter an ending forecast rule to restrict the report to a range of forecast rules.

Bucket Type

Enter the bucket type to print only forecast rules with the bucket type you enter. If you do not enter a bucket type in this field, the report shows forecast rules for all bucket types.

Forecast Type

Enter a forecast type to print only forecast rules with the forecast type you enter. If you do not enter a type in this field, the report shows all forecast rules for all forecast types.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Replenishment Count Report

Use the Item Replenishment Count Report to review the counts you entered for items before creating requisitions. The report includes items if they are assigned to a subinventory included in the count name and had a count entered. You can also use the report to validate the source information for the replenishment before you run the requisition process. The requisition process uses the source information to determine whether to create an internal or purchase requisition. The report prints the replenishment count depending on the option you chose when you entered the count in the Replenishments Count window. Oracle Inventory compares the count and on order quantities to derive the reorder quantity.

You can use replenishment counts for items where you do not maintain quantities and you want to enter a count and create a requisition for replenishment. For example, the types of inventories that you would not track are cabinets located in work areas containing expensed items, or low cost asset items in free stock bins. In a two–bin system, you start with two containers. You use the items in the first container until it is empty. When you open the second container, you place a replenishment count to replace the first container. The count you enter signals the beginning of the reorder process.

Report Submission

Use the Planning and Forecasting Reports or Submit Requests window and enter *Item replenishment count report* in the Name field to submit the report.

Report Options

Count Name

Enter a replenishment count name. You define replenishment count names in the Replenishment Count Header window. See: Entering Replenishment Counts: page 9 – 53.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Min–Max Planning Report

Use the Min–Max Planning Report to show planning information for all items, or items with on–hand balances either below or above their assigned minimum or maximum on–hand quantities. You also have the option to generate internal or purchase requisitions for Buy items and WIP unreleased jobs for Make items for all items for which the on–hand quantity plus the on–order quantity is less than the min–max minimum amount.

The INV:Minmax Reorder Approval profile option governs the approval status of requisitions created by the Min–Max Planning Report. See: Oracle Inventory Profile Options: page 1 – 26.

Use the Item / Subinventory Information and Subinventory / Item windows to specify subinventory level min–max planning details. See: Assigning Subinventories to an Item: page 5 – 127 and Assigning Items to a Subinventory: page 5 – 130.

You can define a default item source at the organization, subinventory, or item levels. Oracle Inventory uses the information from the lowest level to determine the source from which to requisition the item. The ascending hierarchy is: 1) Item in a subinventory, 2) Source in a subinventory, 3) Item in an organization, 4) Source in an organization.

Report Submission

Use the Planning and Forecasting Reports or Submit Requests window and enter *Min–max planning report* in the Name field to submit the report.

Report Parameters

Planning Level

Choose one of the following options.

Organization	Perform planning for the entire organization.
Subinventory	Perform planning only for the specified subinventory. The report cannot generate jobs and does not consider WIP jobs as supply or WIP components as demand.

Subinventory

Enter the subinventory. You can enter this field only when you choose the subinventory planning level.

Item Selection

Enter the type of item you want to include on the report.

Items under minimum quantity	All items that fall under the minimum quantity.
Items over maximum quantity	All items that fall over the maximum quantity.
All min–max planned items	All items that are identified as min–max planned items.

Category Set

Enter the category set.

Categories From...To

Enter a range of categories to restrict the report to one or more categories.

Items From...To

Enter a range of items to restrict the report to one or more items.

Planners From...To

Enter a range of planners to restrict the report to one or more planners.

Buyers From...To

Enter a range of buyers to restrict the report to one or more buyers.

Sort By

Enter **Inventory Item**, **Category**, **Planner**, or **Buyer** to select the sorting criterion.

Demand Cutoff Date

Enter the demand cutoff date. The report includes demand on or before this date. If you set *Net WIP Demand* to *No* this calculation is for display purposes only.

Demand Cutoff Date Offset

Enter the demand cutoff date offset.

Supply Cutoff Date

Enter the supply cutoff date. The calculation includes open supply orders on or before this date.

Supply Cutoff Date Offset

Enter the supply cutoff date offset.

Restock

Enter **Yes** or **No** to indicate whether to restock. If you have set the Planning Level to **Organization**, the report generates requisitions or jobs according to the item's Make/Buy flag. If you have set the Planning Level to **Subinventory**, the report generates only requisitions.

For Repetitive Item

This is not applicable for subinventory–level planning. If you are using the **Organization** Planning Level, choose one of the following options:

Create Requisition	Create requisitions for items under minimum quantity.
Create Discrete Job	Create discrete jobs for items under minimum quantity.
Report Only	Run the report without creating jobs or requisitions.

Default Delivery To

Enter the default delivery location.

Net Unreserved Orders

Enter **Yes** or **No** to indicate whether to net unreserved orders.

Net Reserved Orders

Enter **Yes** or **No** to indicate whether to net reserved orders.

Net WIP Demand

Enter **Yes** or **No** to indicate whether to net WIP demand. Net demand is the unshipped sales quantity for the selected organization or subinventory. You cannot set this to Yes if you are using subinventory level planning. This parameter is not supported for subinventory level min–max planning.

Include PO Supply

Enter **Yes** or **No** to indicate whether to include PO supply.

Include WIP Supply

Enter **Yes** or **No** to indicate whether to include WIP supply. This parameter is not supported for subinventory level min–max planning.

Include Interface Supply

Enter **Yes** or **No** to indicate whether to include interface supply.

Include Non–nettable Subinventories

Enter **Yes** or **No** to indicate whether to include non–nettable subinventories. This parameter is not supported for subinventory level min–max planning.

Display Format

Choose one of the following:

Display All Information	The report displays all columns.
Don't Display Supply/Demand Details	The report does not display the Minimum Order Quantity, Maximum Order Quantity, and Multiple Order Quantity columns
Don't Display Order Constraints	The report does not display the On Hand Quantity column.

Display Item Information

Enter **Yes** or **No** to indicate whether to display item information.

See Also

Submitting a Request, *Oracle Applications User's Guide*

ABC Assignments Report

Use the ABC Assignments Report to print the ABC assignments of items. See: Defining ABC Item Assignments: page 11 – 14 and Updating ABC Item Assignments: page 11 – 16.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *ABC assignments report* in the Name field to submit the report.

Report Parameters

ABC Assignment Group

Enter an ABC assignment group. The report lists items associated with this ABC assignment group. You can enter ABC groups that have been used to make assignments.

Sort Option

Choose one of the following options:

Item	Sort the report by item.
Sequence Number	Sort the report by sequence number.
Compile Value	Sort the report by compile value.
Compile Quantity	Sort the report by compile quantity.

See Also

Submitting a Request, *Oracle Applications User's Guide*

ABC Descending Value Report

Use the ABC Descending Value Report to view the results of an ABC compile. The report is sorted by descending value or quantity, depending on the compile criterion. Use this report to evaluate the break points for assigning your ABC classes to items.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *ABC descending value report* in the Name field to submit the report.

Report Parameters

ABC Compile Header

Enter the compile name for an ABC compile header. The report lists items associated with this ABC compile header. You enter an ABC compile name when you define an ABC Compile. See: Defining and Running an ABC Compile: page 11 – 3.

Cumulative Display Criteria

Choose one of the following options:

Cumulative by Value	Report the cumulative value.
Cumulative by Quantity	Report the cumulative quantity.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Entries and Adjustments Report

Use the Cycle Count Entries and Adjustments Report to monitor inventory accuracy. The report shows counts and adjustments for the items and calculates the monetary value of the adjustments to inventory value.

You can use the report as an accounting tool to review adjustments to inventory value. You can also use the report to determine if the count inaccuracy is from shrinkage or overages by reviewing the positive and negative adjustment value.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Cycle count entries and adjustments report* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count items included in this cycle count. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Subinventory

Select a subinventory to restrict the report to a single subinventory.

Start/End Date

Enter a beginning and / or ending transaction date to restrict the report to a range of cycle count transaction dates.

Display Serial Numbers

Select Yes or No to indicate whether the report will include serial numbers for the items listed.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Hit/Miss Analysis

The Cycle Count Hit / Miss Analysis is a summary report on cycle count accuracy. Use this report to view inventory accuracy performance.

The report determines an item's inaccuracy by considering the first count entered for the item and excludes recounts. The report considers the tolerance you have established for each class and excludes those items whose count was within the hit / miss tolerance. This tolerance is useful, for example, when you weigh count items, when a 2% error could be the scale error. For stock accuracy measurements, a 1.5% count discrepancy is not a stock keeping error but an acceptable weight count error.

Report Submission

Use the ABC and Counting Reports window and enter *Cycle count hit/miss analysis* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count hit / miss analysis associated with this cycle count name. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Start/End Date

Enter a starting and / or ending date to restrict the report to a range of dates.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Listing

Use the Cycle Count Listing to show inventory items for cycle counting. You use this report to record and enter the cycle count entries.

Use this report as a document to fill out during the physical count of the item. The report has blank spaces for entering the date the count was performed, the counter's name, the quantity counted, and reference comments. The document is then used for information entry in the Cycle Count Entries window.

The Cycle Count Listing prints in order by sequence number. Oracle Inventory assigns count sequence numbers to stock keeping units. A stock keeping unit is a unique combination of an item, subinventory, locator, revision, and lot. If an item has several counts, each count is assigned a sequence number. The report displays the sequence number to assist you when you are entering cycle counts in the Cycle Count Entries window.

Report Submission

Use the ABC and Counting Reports window and enter *Cycle count listing* in the Name field to submit the listing.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count items included in this cycle count. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Start/End Date

Enter a starting and / or ending date to restrict the report to a range of schedule dates.

Include Recounts Only

Select Yes or No to indicate whether to print recounts only.

Subinventory

Select a subinventory to restrict the report to a single subinventory.

Display Serial Numbers

Select Yes or No to indicate whether the report will include serial numbers for the items listed.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Item Accuracy Report

Use the Physical Inventory Item Accuracy Report to report on physical inventory adjustments.

Report Submission

Use the ABC and Counting Reports window and enter *Physical inventory accuracy analysis* in the Name field to submit the report.

Report Parameters

Category Set

Enter a category set. The report uses item categories associated with this category set.

Physical Inventory

Enter a physical inventory name. The report shows physical inventory item accuracy associated with this physical inventory. See: Defining a Physical Inventory: page 13 – 3.

Adjustment Value Sort Option

Choose one of the following options:

Descending	Report physical inventory item accuracy by descending value.
Ascending	Report physical inventory item accuracy by ascending value.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Adjustments Report

Use the Physical Inventory Adjustments Report to view physical inventory adjustments created by your count entries. You use adjustments reports to verify tag quantities and/or dollar impact of the physical inventory. The adjustments are reported between the snapshot quantity and the count quantity. Use this report as a tool when approving adjustments in the Physical Inventory Adjustments window if the physical inventory you selected requires approvals.

You can also run the Physical Inventory Adjustments Report as a historical document after the adjustment process has completed. The report totals identify monetary adjustments to the value of inventory for the physical inventory name.

Report Submission

Use the ABC and Counting Reports window and enter *Physical inventory adjustments report* in the Name field to submit the report.

Report Parameters

Display and Break on Subinventory

Choose one of the following options:

No	Do not sort on subinventory.
Yes	Sort the report first by subinventory then by the option you choose in the Adjustment Value Sort Option field.

Adjustment Value Sort Option

Choose one of the following adjustment value sort options:

Descending	Sort the report by descending adjustment value.
Ascending	Sort the report by ascending adjustment value.

Note: If you choose *No* in the Display and Break on Subinventory option, the report sorts by the value you choose for this option.

Physical Inventory

Enter a physical inventory name. The report shows physical inventory adjustments associated with this physical inventory. See: Defining a Physical Inventory: page 13 – 3.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Counts Report

Use the Physical Inventory Counts Report to validate the count information you entered for a physical inventory. The report includes the count and the counted by information essential to review for recount. The report can also used after all counts have been entered to determine the new inventory value for the physical inventory.

Report Submission

Use the ABC and Counting Reports window and enter *Physical inventory counts report* in the Name field to submit the report.

Report Parameters

Sort By

Choose one of the following options:

Item, *Category*, *Tag*, *Subinventory*	Sort by item, then by category within the item, then by tag within the category, and then by subinventory within the tag.
Category, *Item*, *Tag*, *Subinventory*	Sort by category, then by item within the category, then by tag within the item, and then by subinventory within the tag.
Tag, *Category*, *Item*, *Subinventory*	Sort by tag, then by category within the tag, then by item within the category, and then by subinventory within the item.
Subinventory, *Category*, *Item*, *Tag*	Sort by subinventory, then by category within the subinventory, then by item within the category, and then by tag within the item.

Category Set

Enter a category set. The report shows item categories associated with this category set.

Physical Inventory

Enter a physical inventory name. The report shows counts information associated with this physical inventory name. If the name has no tags

the report returns no data. See: Defining a Physical Inventory: page 13 – 3.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Open Requests Listing

Use the Cycle Count Open Requests Listing to report items which have been counted and require a recount. The report can include items that were scheduled but have not had a count entered. The report totals how many items were missed and how many items require recounts for each subinventory. The report is a management tool to determine how much effort is required for unexpected counts in addition to the regular cycle counts.

Report Submission

Use the ABC and Counting Reports window and enter *Cycle count open requests listing* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows open requests included in this cycle count name. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Overdue Requests Only

Select Yes to indicate only items with overdue count requests. Select No to also include items with open, but not overdue, requests.

Display Serial Numbers

Select Yes or No to indicate whether the report will include serial numbers for the items listed.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Unscheduled Items Report

Use the Cycle Count Unscheduled Items Report to audit the cycle count scheduler. This report lists items which are not scheduled in the specified schedule interval. Items that are not cycle count enabled (for Auto Schedule) can be included. Items for cycle counts that are manually scheduled can also be included. The schedule of items to count may fall behind because the scheduler is not being run often enough or because some one changed the parameters from day to week. The item appears on this report if the it has no date or the date violates the following calculation: if the last schedule date is before the report date minus the count interval, then the item is included in the report.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Cycle count unscheduled items report* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count items included in this cycle count name. See: Defining and Maintaining a Cycle Count: page 12 – 7.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Counts Pending Approval Report

Use the Cycle Counts Pending Approval Report to review adjustments waiting for approval. The report can be used as an approval document before data entry in the Approve Adjustments window.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Cycle counts pending approval report* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count items included in this cycle count. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Sort Option

Select one of the following options:

By Item	Sort the report by subinventory and then by item within the subinventory.
By Locator	Sort the report by subinventory, then by locator within the subinventory, and then by item within the locator.

Display Serial Numbers

Select Yes or No to indicate whether the report will include serial numbers for the items listed.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Tags

Use the Physical Inventory Tags report to print physical inventory tags. For a specified physical inventory, you can print all tags or ranges of tags for a single subinventory or all subinventories.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Physical Inventory Tags* in the Name field to submit the report.

Report Parameters

Physical Inventory Name

Select the physical inventory for which you want to print tags.

Subinventory

Enter the subinventory to restrict the tags printed to those for a specific subinventory.

Sort By

Choose one of the following options:

Tag Number	Sort the tags by tag number.
Subinventory, Locator	Sort the tags by subinventory, locator, item, revision, lot number, and serial number.
Subinventory, Item	Sort the tags by subinventory, item, revision, lot number, serial number, and locator.

Range

Choose one of the following options:

Full Listing	Print all tags within the report parameters.
Partial Listing	Print only the tags within the From and To range specified below.

From ... To

If you have chosen a partial listing, enter the range of tag numbers or subinventories (depending on the Sort By option above) that you want to print.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Tag Listing

Use the Physical Inventory Tag Listing to review the tags created by the generate physical inventory tags process. You can also use this as a history document after all counts have been completed.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Physical inventory tag listing* in the Name field to submit the listing.

Report Parameters

Physical Inventory Name

Enter a physical inventory name. The report shows tags associated with this physical inventory. If the physical inventory you choose has been created but the generate physical inventory tags process has not been run, the report returns no data.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Missing Tag Listing

Use the Physical Inventory Missing Tag Listing to identify tags that have not been counted. If a tag was created by the generate physical inventory tags process, it may have a system on–hand quantity. If the tag was missed when the counts were done, it creates an adjustment to inventory quantities. Use this report to verify that you have no missing tags before proceeding with adjustments. Tags may be removed from this list by entering a count or voiding them.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Physical inventory missing tag listing* in the Name field to submit the report.

Report Parameters

Physical Inventory Name

Enter a physical inventory name. The report shows physical inventory missing tags associated with this physical inventory name. See: Defining a Physical Inventory: page 13 – 3.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Trend Report

Use the Physical Inventory Trend Report to review your physical inventory accuracy over time. The trend report provides a summary for the number of counts and transactions entered for the physical inventories. The trend report shows the dates of the physical inventories. If you have done several physicals inventories for the subinventories, the trend of the adjustment values are summed for the subinventories.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Physical inventory trend and summary analysis* in the Name field to submit the report.

Report Parameters

Report Option

Choose the following option:

Trend Report	Report physical inventory trend information.

Physical Inventory Name

Enter a physical inventory name. The report shows physical inventory information associated with this physical inventory. If you do not enter a value in this field, all physical inventories are reported. See: Defining a Physical Inventory: page 13 – 3.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Physical Inventory Summary Report

Use the Physical Inventory Summary Report to review the results of a physical inventory. The report provides a summary for the number of counts for the physical inventory and for the number of transactions processed for the adjustment.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Physical inventory trend and summary analysis* in the Name field to submit the report.

Report Parameters

Report Option

Choose the following option:

Summary Report	Report physical inventory summary information.

Physical Inventory Name

Enter a physical inventory name. The report shows physical inventory information associated with this physical inventory. See: Defining a Physical Inventory: page 13 – 3.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Print Cycle Count Entries Open Interface Data

Use the Print Cycle Count Entries Open Interface Data report to print cycle count entries open interface data.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Print cycle count entries open interface data* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report prints cycle count entries associated with this cycle count name.

Request ID

Enter a request ID to restrict the report to a single request.

Action Code

Choose one of the following options:

Export	Report cycle count open interface records with the action code Export.
Validate	Report cycle count open interface records with the action code Validate.
Create	Report cycle count open interface records with the action code Create.
Simulate	Report cycle count open interface records with the action code Simulate
Process	Report cycle count open interface records with the action code Process.

Count Date From/To

Enter a beginning and ending count date to restrict the report to a range of dates.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Purge Cycle Count Entries Open Interface Data

Use the Purge Cycle Count Entries Open Interface Data report to purge all cycle count entries from the open interface.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Purge cycle count entries open interface data* in the Name field to submit the report.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Import Cycle Count Entries from Open Interface

Use the Import Cycle Count Entries from Open Interface report to import cycle count entries open interface records into the database.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Import cycle count entries from open interface* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name.

Number Of Workers

Enter the number of workers to be processed in the cycle count open interface.

Commit Point

The commit point is the point at which records are committed to the database. Enter the number of records to be processed before the records are committed to the database.

Error Report Level

Enter the number of errors that can be processed before the report is terminated.

Delete Processed Records

Enter *Yes* or *No* to indicate whether to delete the processed records.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Cycle Count Schedule Requests Report

Use the Cycle Count Schedule Requests Report to report the schedules generated by the Automatic Scheduler and entered through the Manual Schedule Requests window.

Report Submission

Use the ABC and Counting Reports or Submit Requests window and enter *Cycle count schedule requests report* in the Name field to submit the report.

Report Parameters

Cycle Count Name

Select a cycle count name. The report shows cycle count items included in this cycle count name. See: Defining and Maintaining a Cycle Count: page 12 – 7.

Start/End Date

Enter a starting and / or ending date to restrict the report to a range of schedule dates.

Display Serial Numbers

Select Yes or No to indicate whether the report will include serial numbers for the items listed.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Item Quantities Summary Report

Use the Item Quantities Summary Report to report just the item and the quantity. The report is useful to provide a fast list of the items in the inventory.

Report Submission

Use the On–Hand Quantity Reports or Submit Requests window and enter *Item quantities summary* in the Name field to submit the report.

Report Parameters

Range List

Choose one of the following options:

Full listing	Report all inventory items.
Partial listing	Report the range of inventory items you specify.

Items From

Enter a beginning item to restrict the report to a range of items. You can enter a value here only if you enter *Partial* in the Range List field.

To

Enter an ending item to restrict the report to a range of items. You can enter a value here only if you enter *Partial* in the Range List field.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Locator Quantities Report

Use the Locator Quantities Report to identify items and their quantities stored in the specified locators. You can transact item quantities to locators and track the movements of items at the locator level. If the locator has zero on–hand quantity, the locator does not print. Items within the locator print only if they have on–hand quantity.

You can also use this report to review volume and weight of on–hand quantities for storage capacity and usage.

Report Submission

Use the On–hand Quantity Reports or Submit Requests window and enter *Locator quantities report* in the Name field to submit the report.

Report Parameters

Locators From

Enter a beginning value to restrict the report to a range of locators.

To

Enter an ending value to restrict the report to a range of locators.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Subinventory Quantities Report

Use the Subinventory Quantities Report to show inventory item quantities by subinventory.

Report Submission

Use the On–hand Quantity Reports or Submit Requests window and enter *Subinventory quantities report* in the Name field to submit the report.

Report Parameters

Item Range

Choose one of the following options:

Full listing	Report all subinventories.
Partial list by inventory item	Report only those subinventories for a partial range of items.
Specific subinventory	Report only the subinventory you specify.

Items From/To

Enter a beginning and ending item to restrict the report to a range of items. You can enter an item here only if you enter *Partial list by inventory item* in the Item Range field.

Subinventory

Enter a subinventory for which to report on–hand quantity. You can enter a value here only if you enter *Specific subinventory* in the Item Range field.

See Also

Submitting a Request, *Oracle Applications User's Guide*

VMI Onhand by Supplier Report

Use the VMI Onhand by Supplier Report to view onhand inventory by supplier across organizations.

Report Submission

Use the On–hand Quantity Reports or Submit Requests window and enter *VMI Onhand by Supplier* in the Name field to submit the report.

Report Parameters

Supplier From / To

VMI supplier name.

Organization From / To

To restrict the report to a range of organizations, select a begininng and end organization.

Item From / To

To restrict the report to a range of items, select a begininng and end item.

Category Set

Select a category set. The value of all inventory types, subinventories, intransit invneoty and receiving inspection is reported for items assocaited with this category set. The default is the purchasing category set.

Item Category From / To

To restrict the report to a range of categories, select a beginning and an ending category.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Account Alias Listing

Use the Account Alias Listing to show account alias information. An account alias defines an account number to which you can charge account transactions. During an account alias transaction, you can use an account alias instead of an account number to refer to the account.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Account alias listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Freight Carrier Listing

Use the Freight Carrier Listing to validate the freight carrier codes you have established for this organization. The report lists the default account for each freight code. Freight carriers are used for internal transfers between organizations, as well as shipments for customers and suppliers.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Freight carrier listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Inter–organization Shipping Information Listing

Use the Inter–organization Shipping Information Listing to verify the organizations to which your current organization ships and receives. You can use this report with the Freight Carrier listing to verify the accounts for freight charges between organizations.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Inter–organization shipping information listing* in the Name field to submit the listing.

Report Parameters

From/To Organization

Enter an organization to restrict the report to a single organization.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Locator Listing

Use the Locator Listing to list locators you have defined. You can also use this report to review volume and weight allowed in a location before transacting items.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Locator listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Organization Parameters Listing

Use the Organization Parameters Listing to show the organization parameters for your Oracle Application.

Report Submission

Use the Setup Reports window and enter *Organization parameters listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Planner Listing

Use the Planner Listing to list material planners or planning entities. You assign planners to inventory items when you define items.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Planner listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Status Attributes Listing

Use the Status Attributes Listing to show the item statuses that you can assign to items. Statuses can determine what functions are enabled for an item.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Status attributes listing* in the Name field to submit the report.

Report Parameters

Item Statuses From

Enter the beginning item status in a range of item statuses. The report shows item statuses from this value to the To value.

To

Enter the ending item status in a range of item statuses. The report shows item statuses from the From value to this value.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Subinventory Listing

Use the Subinventory Listing to list subinventories. Subinventories are unique physical or logical separations of material, such as raw inventory, finished goods, or defective material. You must define at least one subinventory. You can use this report to review whether the value of material in this subinventory appears on the balance sheet or whether the subinventory tracks on–hand quantities.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Subinventory listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Units of Measure Listing

Use the Units of Measure Listing to list units of measure you use for tracking, issuing, receiving, and storing inventory items. Use the report to view the standard classes which have been defined for the unit of measure.

Report Submission

Use the Setup Reports or Submit Requests window and enter *Unit of measure listing* in the Name field to submit the listing.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Intercompany AR Invoices Report

Use this report to create intercompany receivables invoices for product shipment and freight charges initiated from sales orders and internal orders initiated by another operating unit. Oracle Inventory retrieves information such as customer, customer site, and transaction type from the intercompany relations definitions.

Invoicing Shipment Transactions

The Create intercompany AR Invoices process creates invoice lines for intercompany shipping transactions.

Invoicing Freight Charges

The Create Intercompany AR Invoices program creates invoice lines for freight charges for the corresponding shipping transactions in Order management and Shipping Execution.

Report Submission

Navigate to the Intercompany Invoicing Reports window, and select Create Intercompany AR Invoices.

Report Parameters

Shipping Operating Unit

Enter the appropriate shipping operating unit. Leave this field blank to generate invoices for all shipping operating units.

Line Description

Enter the description for the invoice lines. Leave this field blank to use the item description as the invoice line description.

See Also

Intercompany Invoicing Business Process: page 14 – 8

Submitting a Request, *Oracle Applications User's Guide*

Intercompany AP Invoices Report

Use this report to copy intercompany receivable invoices into Oracle Payables.. This process creates invoices in the Xpense Xpress tables with a unique import source name and is processed by the Oracle Payables Invoice Import process.

Report Submission

Navigate to the Intercompany Invoicing Reports window, and select Create Intercompany AP Invoices.

Report Parameters

Selling Operating Unit

Enter the selling operating unit for which you want to copy intercompany Oracle Receivables invoices and generate intercompany Oracle Payables invoices. Leave this field blank to generate invoices for all selling operating units.

Header Description

Enter the description you want to appear on the invoices. Leave this field blank if you do not to have a description for the invoices.

Line Description

Enter the description you want to appear on the invoice line. Leave this field blank if you want to copy the invoice line description from the Intercompany Receivables invoices.

See Also

Intercompany Invoicing Business Process: page 14 – 8

Submitting a Request, *Oracle Applications User's Guide*

Reorder Point Report

Use the Reorder Point Report to show planning information for items for which the Inventory Planning Method is set to Reorder Point. See: Oracle Inventory Profile Options, *Oracle Inventory User's Guide*.

The reorder point is a planning method based on history that is used for spare parts where no bill of material exists. This method is useful when you have independent demand items.

In this report, Lead Time is the sum of preprocessing, processing, and postprocessing lead times. The Reorder Point is the Safety Stock plus the Lead Time Demand. The On–Hand Quantity is for the organization at the time the report was generated, excluding expired lots. The Supply Quantity is the current quantity on order, calculated from approved requisitions, approved purchase orders, and intransit inventory. The Total Available is the On–Hand Quantity plus the Supply Quantity less the Demand Quantity. The Reorder Quantity is the economic order quantity (EOQ), subject to the minimum order quantity, maximum order quantity, and fixed lot multiple. The Demand Quantity is the unsatisfied sales order quantity (reserved and unreserved).

Report Submission

Use the All Reports or Submit Requests window and enter *Reorder point report* in the Name field to submit the report.

Report Parameters

Item Selection

Select one of the following options:

All reorder point planned items	Report all items identified as reorder point planned items. The report contains all items, whether or not their on–hand and on–order balances fall below their reorder points. This allows you to see where item balances stand in relation to the specified order point.
Items under reorder point	Report only items with on–hand and on–order balances that fall below their reorder point.

Demand Cutoff Date

Enter the demand cutoff date. The report considers only demand with dates equal to or earlier than the demand cutoff date.

Supply Cutoff Date

Enter the supply cutoff date. The report considers only supply with expected receipt dates equal to or earlier than the cutoff date.

Restock

Select *Yes* or *No* to indicate whether you want to create demand records in the interface tables for requisitions and / or WIP jobs. You can enter a value here only if you are defined as an employee. To actually create the requisitions / discrete jobs, you will need to run the import processes: See: Requisition Import Process, *Oracle Purchasing User's Guide* and Importing Jobs and Schedules, *Oracle Work in Processing User's Guide*.

Default Delivery To

Select the default delivery location for the requisition. You can enter a value in this field only if you choose *Yes* in the Restock field.

Forecast

Enter the forecast designator. This forecast is used to determine the demand to be used in the reorder point calculation.

First Sort

Select one of the following options for the first sorting criterion:

ABC Class	Sort the report by ABC class.
Buyer	Sort the report by buyer.
Category	Sort the report by category.
Inventory item	Sort the report by inventory item.
No sort	Do not sort the report.
Planner	Sort the report by planner.

Second Sort/Third Sort

Select one of the above options for the second and third sorting criteria. The second sort option sorts by the first sort type and then by the second type within the first type. The third sort option sorts by the first type, then by the second type within the first type, and finally by the third type within the second type.

Items From/To

To restrict the report to a range of items, select the beginning and ending items.

Planners From/To

To restrict the report to a range of planners, select the beginning and ending planners.

Buyers From/To

To restrict the report to a range of buyers, select the beginning and ending buyers.

Category Set

Select the category set for which you want to run the report.

Categories From/To

To restrict the report to a range of categories, select the beginning and ending categories.

ABC Assignment Group

To restrict the report to a specific ABC Assignment group, select the group.

ABC Class

If you selected an ABC Assignment group, you can further restrict the report to a specific ABC Class by selecting the class.

Include PO Supply

Select Yes or No to indicate whether to include purchase order supply.

Include WIP Supply

Select Yes or No to indicate whether to include WIP supply.

Include Interface Supply

Select Yes or No to indicate whether to include interface supply.

Include Non–nettable Subinventories

Select Yes or No to indicate whether to include non–nettable subinventories.

Display Item Description

Select Yes or No to indicate whether to print the item description.

Display Additional Information

Select Yes or No to indicate whether to display the following additional item information: Category, Planner, Buyer, and ABC Class.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Organization Hierarchy Exceptions Report

Use the Organization Hierarchy Exceptions Report to display all organizations belonging to the user specified legal entity, but not assigned to any organization hierarchy.

Report Submission

Use the All Reports or Submit Requests window and enter *Organization Hierarchy Exceptions Report* in the Name field to submit the report.

Report Parameters

Legal Entity

Enter the legal entity. The report shows all organizations belonging to the user specified legal entity, not included within an organization hierarchy.

See Also

Creating Organization Hierarchies, *Using Oracle HRMS– The Fundamentals*

Submitting a Request, *Oracle Applications User's Guide*

Inventory Transaction by Cost Center and Account Report

Use the Transaction by Cost Center and Account Report to conduct detailed investigation of financial transactions. For example, you can provide detailed account charges, which the Account Analyses Report and the Expense Transaction Detail Report do not show. You can list each inventory transaction by cost center and account for a specified date range, enabling the investigation of charges against a specific account.

This report should be used when the need to get detailed about a specific charge to a cost center or account arises, and is normally used for end–of–period tasks.

Report Submission

Use the All Reports or Submit Requests window and enter *Transaction by CC and Account* in the Name field to submit the request.

Report Parameters

Start Date

To restrict the report to a specific date range, enter the desired start date.

End Date

To restrict the report to a specific date range, enter the desired end date.

Category Set

Enter the desired category set for which you want to run the report.

Category

Enter the range of item categories within the category set. You will be prompted to enter family and class information for the category.

Cost Center

Enter the desired cost center. If you would like the report to list the inventory transactions across all cost centers, leave this parameter blank.

Account Number

Enter the desired account number. The report will list charges against this account.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Inventory Charges and Product Usage Report

Use the Inventory Charges and Product Usage Report to provide cost center controllers detailed information on collateral and product usage charges for each cost center grouped by sales order.

This report lists, within a specified date range, detailed inventory charges and product usage information including, Cost Center, Order Type, Account Number, Requestor., Order Number, Freight, Item Number, Cost, and other additional order and shipping information.

Report Submission

Use the All Reports or Submit Requests window and enter *Inventory Charges and Product Usage Report* in the Name field to submit the request.

Report Parameters

Start Date

To restrict the report to a specific date range, enter the desired start date.

End Date

To restrict the report to a specific date range, enter the desired end date.

Low Cost Center

To restrict the report to a specific range of cost centers, enter the desired beginning cost center.

High Cost Center

To restrict the report to a specific range of cost centers, enter the desired ending cost center.

Low Account

To restrict the report to a specific range of accounts, enter the desired beginning account number.

High Account

To restrict the report to a specific range of accounts, enter the desired ending account number.

See Also

Submitting a Request, *Oracle Applications User's Guide*

Movement Statistics Exception Report

Use the Movement Statistics Exception report to list exceptions that occurred during the movement statistics gathering and reporting process. This report includes data for the legal entity and period specified during the execution of the concurrent program.

Report Submission

Use the Movement Statistics Reports or Submit Requests window and enter *Movement Statistics Exception* in the Name field to submit the report.

Report Parameters

Legal Entity

Select the legal entity for which you want to list movement statistics exceptions. You can choose any legal entity that has the same set of books as the current organization.

Zone Code

Select the code associated with the economic zone for which you want to list movement statistics exceptions.

Usage Type

Choose one of the following options:

Internal	Movement of goods within countries of the economic zone.
External	Movement of goods from a country of one economic zone to a country outside the zone.

Statistical Type

Select the following option:

Intrastat	The European Union common market.

Period Name

Enter a calendar period for which to run the report. The calendar used is the calendar assigned to the legal entity in the Movement Statistics Parameters window.

Document Source Type

Choose one of the options below; or, leave the field blank to process movement statistics for all the transactions listed below.

*Internal O*rder

Inventory

Miscellaneous

Purchase Order

RMA

Sales Order

See Also

Submitting a Request, *Oracle Applications User's Guide*

Movement Statistics Reset Status Report

Use the Movement Statistics Reset Status report to reset the status of movement statistics records that have been frozen.

Report Submission

Use the Movement Statistics Reports or Submit Requests window and enter *Movement Statistics Reset Status* in the Name field to submit the report.

Report Parameters

Legal Entity

Select the legal entity for which you want to list movement statistics exceptions. You can choose any legal entity that has the same set of books as the current organization.

Zone Code

Select the code associated with the economic zone for which you want to list movement statistics exceptions.

Usage Type

Choose one of the following options:

Internal	Movement of goods within countries of the economic zone.
External	Movement of goods from a country of one economic zone to a country outside the zone.

Statistical Type

Select one of the following options:

Intrastat	Declaration of imports and exports within European Union borders.
Extrastat	Declaration of imports and exports between a member of the European and a country external to the European Union.

Period Name

Enter a calendar period for which to run the report. The calendar used is the calendar assigned to the legal entity in the Movement Statistics Parameters window.

Document Source Type

Choose one of the options below; or, leave the field blank to process movement statistics for all the transactions listed below.

*Internal O*rder

Inventory

Miscellaneous

Purchase Order

RMA

Sales Order

See Also

Submitting a Request, *Oracle Applications User's Guide*

Movement Statistics Processor

You submit the Movement Statistics Processor periodically to analyze all the transactions that occurred within a legal entity. The processor generates movement statistics records based on the setup parameters.

Report Submission

Use the Movement Statistics Reports or Submit Requests window and enter *Movement Statistics Processor* in the Name field to submit the report.

Report Parameters

Legal Entity

Select the legal entity for which you want to generate movement statistics records. You can choose any legal entity that has the same set of books as the current organization.

Start Date

Enter the start date for the period for which you want the processor to analyze transactions.

End Date

Enter the end date for the period for which you want the processor to analyze transactions.

Document Source

Choose one of the options below; or, leave the field blank to process movement statistics for all the transactions listed below.

*Internal O*rder

Inventory

Miscellaneous

Purchase Order

RMA

Sales Order

See Also

Submitting a Request, *Oracle Applications User's Guide*

Movement Statistics Report

Use the Movement Statistics report to review and finalize the movement statistics entered for receipts, shipments, and other material transactions. You can report by specific legal entity, type of movement, and calendar period. You can also choose whether to freeze the information for official reporting. You can choose between summary and detail formats.

Column Information Notes:

The parent identification number is equal to the movement identification number for rows without a parent.

The transaction value of the movement is calculated from the invoice, if one is associated with the movement. If there is no associated invoice, the value is calculated from the document (sales order / purchase order) price. If there is no invoice or document associated with the movement, the value is calculated either from the inventory cost or a value you entered.

The statistical value is calculated from the transaction value and the adjustment percentage or amount you entered with the movement transaction. If you did not enter an adjustment value, the statistical value is equal to the transaction value.

The weight is either the weight entered with the movement transaction or a calculation based on a conversion from the transaction unit of measure to the weight unit of measure.

The trader types are Customer, Supplier, or Organization.

If the item involved in the movement is an inventory item, the inventory cost for the item is printed.

Valid source types are Internal Order, Inventory, Purchase Order, RMA, Sales Order, and Miscellaneous.

The source number corresponds to the source type and therefore, if it exists, is a requisition number, purchase order number, RMA number, or sales order number.

If you entered outside cost information with the movement, the outside value is printed. The outside value corresponds to the outside value code in the next column of the report you associated with the movement, if any. The outside value could be for repair, processing, or other outside costs and can be entered as part of the movement statistics information.

The transaction value is calculated from the invoice, if one is associated with the movement. If there is no associated invoice, the value is calculated from the document (sales order / purchase order) price. If there is no invoice or document associated with the movement, the value is calculated either from the inventory cost or an entered figure.

The statistical value is calculated from transaction value and the adjustment percentage or amount you entered with the movement transaction. If you did not enter an adjustment value, the statistical value is equal to the transaction value.

The weight is either the weight entered with the movement transaction or calculated based on a conversion from the transaction unit of measure to the weight unit of measure.

If you entered outside cost information with the movement, the outside cost code, such as repair, processing, or other, is printed.

Report Submission

Use the Movement Statistics Reports or Submit Requests window and enter *Movement Statistics Report* in the Name field to submit the report.

Report Parameters

Legal Entity

Enter the legal entity for which to report movement statistics. You can choose any legal entity that has the same set of books as the current organization.

Zone Code

Select the code associated with the economic zone for which you want to list movement statistics exceptions.

Usage Type

Choose one of the following options:

Internal	Movement of goods within countries of the economic zone.
External	Movement of goods from a country of one economic zone to a country outside the zone.

Statistical Type

Select the following option:

Intrastat	The European Union common market.

Movement Type

Choose one of the following options:

Arrival	Report arrival movement statistics.
Arrival Adjustments	Report adjustments to prior period arrival movement statistics.
Dispatch	Report dispatch movement statistics.
Dispatch Adjustments	Report adjustments to prior period dispatch movement statistics.

Period Name

Enter a calendar period for which to run the report. The calendar used is the calendar assigned to the legal entity in the Movement Statistics Parameters window.

Report Option

Choose one of the following options:

Standard/ Summary	Print selected information in summary format. No database update occurs.
Standard/Detail	Print selected information in detail format. No database update occurs.
Official/ Summary	Print selected information in summary format. All information reported is updated in the database and flagged as frozen.

See Also

Submitting a Request, *Oracle Applications User's Guide*

APPENDIX

A

Oracle Inventory Windows and Navigator Paths

Oracle Inventory Windows and Navigator Paths

Brackets ([ ]) indicate a button.

For windows described in other manuals:

See...	Refer to this manual for a complete window description
BOM	*Oracle Bills of Material User's Guide*
CST	*Oracle Cost Management User's Guide*
Flex	*Oracle Applications Flexfields Manual*
GL	*Oracle General Ledger User's Guide*
HR	*Oracle Human Resources User's Guide*
PO	*Oracle Purchasing User's Guide*
MRP	*Oracle Master Scheduling/MRP and Oracle Supply Chain Planning User's Guide*
SYS	*Oracle System Administrator's Guide*
User	*Oracle Applications User's Guide*

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ABC Compile Items: page 11 – 3	ABC Codes>ABC Compiles>View Compile
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Item Categories: page 5 – 117	Items>View Item Information>[Categories]
Item Costs Reports: page 15 – 2	Reports>Costs>Item
Item Costs Summary (See **CST**)	Costs>Item Costs
Item Cross Reference Assignment: page 4 – 41	Items>Master Items>Tools menu>Cross References
Item Forecast Entries (See **MRP**)	Planning>Forecasts>Entries
Item Lots: page 5 – 149	On–hand, Availability>Lots
Item On–hand Quantities: page 8 – 4	On–hand, Availability>On–hand Quantities > [Item] > [Find]
Item Relationships: page 5 – 121	Items>Item Relationships
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Item Revisions: page 5 – 121	Items>Master Items>Tools menu> Revisions
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Item Search: page 5 – 138	Items>Item Search
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	Items>Organization Items>Tools menu>Item Subinventories
	Setup>Organizations>Subinventories>[Item / Subinventory]
Item Template: page 4 – 35	Setup>Items>Templates>[New]
Item Templates Summary: page 4 – 35	Setup>Items>Templates
Item Transaction Defaults: page 5 – 135	Setup>Transactions>Default Subinventories
Item Transaction Summaries: page 7 – 45	Transactions>View Transaction Summaries>[Summarize]
Item Type QuickCodes: page 4 – 27	Setup>Items>Item Types
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Key Flexfield Segments (See **Flex**)	Setup>Flxfields>Key>Segments
Key Segment Values (See **Flex**)	Setup>Flxfields>Key>Values
Launch Standard Cost Update (See **CST**)	Costs>Standard Cost Update>Update Costs
Location (See **HR**):	Setup>Organizations>Locations
Lot Entry: page 7 – 23	Transactions>Any Transaction>[Lot / Serial]
Maintain Shipments (See **PO**)	Transactions>Receiving>Manage Shipments
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	Counting>Cycle Counting>Cycle Counts>[Schedule]
Manufacturer Part Numbers: page 5 – 125	Items>Manufacturers' Part Numbers> By Items

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Manufacturers: page 5 – 125	Items>Manufacturers' Part Numbers>By Manufacturers
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Master Item: page 5 – 6	Items>Master Items>[New]
	Items>Master Items>[Open]
Master Items Summary: page 5 – 6	Items>Master Items
Material Overhead Defaults (See **CST**)	Setup>Costs>Sub–elements>Defaults
Material Sub–elements (See **CST**)	Setup>Costs>Sub–elements>Material
Material Transaction Distributions (See **CST**)	Transactions>Material Distributions
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Organization Items Summary: page 5 – 17	Items>Organization Items
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Pending Costs Reports: page 15 – 2	Reports>Costs>Pending
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Pending Transactions: page 7 – 51	Transactions>Pending Transactions
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	Counting>Physical Inventory>Physical Inventories>[Approve] > {Open]
Physical Inventory Tag Counts: page 13 – 11	Counting>Physical Inventory>Tag Counts
	Counting>Physical Inventory>Physical Inventories>[Counts]
Picking Rules: page 4 – 25	Setup>Rules>Picking
Planners (See **MRP**)	Setup>Planners
Planning and Forecasting Reports: page 15 – 2	Reports>Planning
Preapproved Count Entries: page 12 – 25	Counting>Cycle Counting>Cycle Counts>Enter Preapproved Counts

Print Kanban Cards: page 9 – 48	Kanban>Print Kanban Cards
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Receipt Header Details (See **PO**)	Transactions>Receiving>View Receiving Transactions>[Find]> [Transactions]>[Header]
Receipts (See **PO**)	Transactions>Receiving>Receipts> [Find]
Receiving Corrections (See **PO**)	Transactions>Receiving>Corrections> [Find]
Receiving Headers Summary (See **PO**)	Transactions>Receiving>View Receiving Transactions>[Find]
Receiving Options (See **PO**)	Setup>Receiving>Receiving
Receiving Returns (See **PO**)	Transactions>Receiving>Returns
Receiving Transactions (See **PO**)	Transactions>Receiving>Receiving Transactions> [Find]
Receiving Transaction Summary (See **PO**)	Transactions>Receiving>View Receiving Transactions>[Find]> [Transactions]
Reload Safety Stocks: page 9 – 25	Planning>Safety Stocks>Tools menu>Update Planning>Safety Stock Update
Reorder Point Planning: page 9 – 31	Planning>Reorder Point Planning
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Replenishment Count Lines: page 9 – 53	Counting>Replenishment Counts>Counts>[Lines]
Reservations Interface	On–hand, Availability
Revision On–hand Quantities: page 8 – 4	On–hand, Availability>On–hand Quantities > [Revision] > [Find]
Rollup Groups (See **Flex**)	Setup>Flexfields>Key>Groups
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Setup Reports: page 15 – 2	Reports>Setup
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Shortage Parameters: page 2 – 39	Setup>Organizations
Shorthand Aliases (See **Flex**)	Setup>Flexfields>Key>Aliases
Standard Cost History (See **Flex**)	Costs>Standard Cost Update>View Cost History
Standard Cost Updates (See **Flex**)	Costs>Standard Cost Update>View Cost Update
Standard Costs Adjustments Reports: page 15 – 2	Reports>Costs>Adjustments
Status: page 4 – 21	Setup>Items>Status Codes
Stock Locators: page 2 – 34	Setup>Organizations>Stock Locators
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Subinventory On–hand Quantities: page 8 – 4	On–hand, Availability>On–hand Quantities > [Subinventory] > [Find]
Subinventory Transfer: page 7 – 4	Transactions>Subinventory Transfer

Summarize Demand History: page 9 – 6	Planning>Compile Demand History
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Supplier Lots: page 5 – 149	On–hand, Availability>Lots>[Supplier Lot]
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System Profile Values (See **SYS**)	Setup>Profiles>System
Transact Move Orders: page 7 – 77	Move Orders
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Unit of Measure Classes: page 3 – 3	Setup>Units of Measure>Classes
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	Setup>Units of Measure>Classes> [Units of Measure]
Update Average Cost (See **CST**)	Costs>Average Cost Update>Update Costs
Value Sets (See **Flex**)	Setup>Flexfields>Validation>Sets
View Potential Shortages: page 7 – 27	On Hand, Availability
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Workday Calendar (See **BOM**)	Setup>Organizations>Calendars

Oracle Inventory Character Mode Forms and Corresponding GUI Windows

The following table matches character mode forms with their corresponding GUI windows or processes. This information supplements *Windows and Navigator Paths* in the product online documentation. Text in brackets ([ ]) indicates a button.

The GUI Navigator paths are based on the Inventory Manager responsibility.

For more information on any window, navigate to the window and choose the help icon.

Character Modes and Menu Paths

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Approve Cycle Count Adjustments \Navigate Accuracy CycleCount Approve	Count Adjustment Approvals Navigator: Counting > Approval Accounts > Approval > [Find] > [Open] or Navigator: Counting > Cycle Counting > Cycle > Counts > [Approvals] > [Open]
Approve Physical Inventory Adjustments \Navigate Accuracy Physical Approve	Approve Physical Adjustment Navigator: Counting > Physical Inventory > Approve Adjustments > [Find] > [Open] or Navigator: Counting > Physical Inventory > Physical Inventories > [Approve] > [Open] or Approve Physical Adjustments SummaryNavigator: Counting > Physical Inventory > Physical Inventories > ApproveorNavigator: Counting > Physical Inventory > Approve Adjustments > [Find]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Assign Descriptive Security Rules \Navigate Setup Flexfields Descriptive Security Assign	Assign Security RulesNavigator: Setup > Flexfields > Descriptive > Security > Assign > [Find]
Assign Key Flexfield Security Rules \Navigate Setup Flexfields Key Security Assign	Assign Security RulesNavigator: Setup > Flexfields > Key > Security > Assign > [Find]
Assign Security Rules \Navigate Setup Flexfields Validation Security Assign	Assign Security Rules Navigator: Setup > Flexfields > Validation > Security > Assign > [Find]
Change Organization \Navigate Other ChangeOrg	Organizations Navigator: Change Organization
Close Accounting Period \Navigate Cost Period Close	Inventory Accounting Periods Navigator: Accounting Close Cycle > Inventory Accounting Periods [Open]
Compile ABC Analysis \Navigate Accuracy ABC Compile	Define ABC Compiles Navigator: ABC Codes > ABC Compiles > [New]orNavigator: ABC Codes > ABC Compiles > [Open]
Copy Item Cost Information \Navigate Cost Item Copy	Copy Cost Information Navigator: Costs > Cost Mass Edits > Copy Cost Information
Create Item Flexfield View \Navigate Setup Item View	Obsolete in GUI
Define ABC Assignments \Navigate Accuracy ABC Assign	Assign ABC ItemsNavigator: ABC Codes > Assign ItemsorNavigator: ABC Codes > ABC Assignment Groups > [Assign Items]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define ABC Groups \Navigate Accuracy ABC Define Group	ABC Assignment Groups Navigator: ABC Codes > ABC Assignment Groups or ABC Group Class Assignment Navigator: ABC Codes > ABC Assignment Groups > [Group Classes]
Define Account Alias \Navigate Setup Names AccountAlias	Account Aliases Navigator: Setup > Receiving > Account Aliases
Define Accounting Flexfield Combination \Navigate Setup Financial Accounts	GL Accounts Navigator: Setup > Financials > Accounts
Define Activities \Navigate Setup Cost Activity	Activities Navigator: Setup > Costs > Activities
Define Available to Promise Rules \Navigate Setup Names ATPRule	ATP Rules Navigator: Setup > Rules > Available to Promise
Define Calendar \Navigate Setup Financials Calendar Periods	Accounting Calendar Navigator: Setup > Financials > Accounting Calendar > Accounting
Define Category \Navigate Setup Item Category Name	Categories Navigator: Setup > Items > Categories > Category Codes > [Find]
Define Category Set \Navigate Setup Item Category Set	Category Set Navigator: Setup > Items > Categories > Category Sets
Define Cost Type \Navigate Setup Cost CostType	Cost Types Navigator: Setup > Costs > Cost Types
Define Cross–Reference Types \Navigate Setup Item XRef	Cross Reference Types Navigator: Items > Cross References

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Cross–Validation Rule \ Navigate Setup Flexfields Key Rules	Cross–Validation Rules Navigator: Setup > Flexfields > Key > Rules
Define Currency \ Navigate Setup Financial Currencies Define	Currencies Navigator: Setup > Financials > Currencies > Currency Codes
Define Cycle Count \ Navigate Accuracy CycleCount Define	Cycle Counts Navigator: Counting > Cycle Counting > Cycle Counts > [New]
Define Cycle Count Items \ Navigate Accuracy CycleCount Items	Cycle Count Items Navigator: Counting > Cycle Counting > Cycle Counts > [Open] > [Items]
Define Daily Rates \ Navigate Setup Financial Currencies Rates Daily	Daily Rates Navigator: Setup > Financials > Currencies > Daily Rates
Define Default Category Sets \ Navigate Setup Item Category Defaults	Default Category Sets Navigator: Setup > Items > Categories > Default Category Sets
Define Delete Constraint \ Navigate Setup Item Delete	Deletion Constraints Navigator: Setup > Items > Delete Constraints
Define Descriptive Flexfield Segments \ Navigate Setup Flexfields Descriptive Segments	Descriptive Flexfield Segments Navigator: Setup > Flexfields > Descriptive> Segments
Define Descriptive Security Rules \ Navigate Setup Flexfields Descriptive Security Define	Define Security Rules Navigator: Setup > Flexfields > Descriptive > Security > Define > [Find]
Define Descriptive Segment Values \ Navigate Setup Flexfields Descriptive Values	Segment Values Navigator: Setup > Flexfields > Descriptive > Values > [Find]
Define Forecast Rule \ Navigate Setup Names ForecastRule	Forecast Rules Navigator: Setup > Rules > Forecast

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Forecast Sets \Navigate Plan Forecast Define	Forecast Sets Navigator: Planning > Forecasts > Sets
Define Freight Carriers \Navigate Setup Org InterOrg FreightCarrier	Freight Carriers Navigator: Setup > Freight Carriers
Define Inter–Organization Shipping Information \Navigate Setup Org InterOrg Network	Shipping Networks Navigator: Setup > Organizations > Shipping Networks
Define Interclass Conversions \Navigate Setup Names UOM Interclass	Unit of Measure Conversions Navigator: Setup > Units of Measure > Conversions or Navigator: Setup > Units of Measure > Units of Measure > [Conversions]
Define Item \Navigate Item Define	Master Item Navigator: Items > Master Items
Define Item Attribute Controls \Navigate Setup Item Attribute	Item Attribute Controls Navigator: Setup > Items > Attribute Controls
Define Item Catalog Group \Navigate Setup Item Catalog	Item Catalog Groups Navigator: Setup > Items > Catalog Groups
Define Item Costs \Navigate Cost Item Define	Item Costs Summary Navigator: Costs > Item Costs

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Item Cross References \ Navigate Item CrossRef XRef	Assign Cross References Navigator: Items > Cross References > [Assign] or Item Cross Reference Assignment Navigator: Items > Master Items. From the Tools menu choose Cross References or Navigator: Items > Organization Items. From the Tools menu choose Cross References
Define Item Relationships \ Navigate Item CrossRef Related	Item Relationships Navigator: Items > Item Relationships > [Find] or Navigator: Items > Master Items. From the Tools menu choose Item Relationships
Define Item Revisions \ Navigate Item Controls Revision	Item Revisions Navigator: Items > Master Items. From the Tools menu choose Revisions or Navigator: Items > Organization Items. From the Tools menu choose Revisions
Define Item Template \ Navigate Setup Item Template	Item Template Navigator: Setup > Items > Templates > [New]
Define Item Transaction Default Locators \ Navigate Item TransactDefaults Locator	Item Transaction Defaults Navigator: Setup > Transactions > Item Transaction Defaults > [New] > [Locators]
Define Item Transaction Default Subinventories \ Navigate Item TransactDefaults Subinventory	Item Transaction Defaults Navigator: Setup > Transactions > Item Transaction Defaults > [New] > [Subinventories]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Item Types \Navigate Setup Item Type	Item Type QuickCodes Navigator: Setup > Items > Item Types
Define Item/Subinventory Information \Navigate Item Controls Subinventory ItemSub	Item Subinventories Navigator: Items > Master Items. From the Tools menu choose Item Subinventories or Navigator: Setup > Organizations > Subinventories > [Item/Subinventory]
Define Key Flexfield Security Rule \Navigate Setup Flexfields Key Security Define	Define Security Rules Navigator: Setup > Flexfields > Key > Security > Define > [Find]
Define Key Flexfield Segments \Navigate Setup Flexfields Key Segments	Key Flexfield Segments Navigator: Setup > Flexfields > Key > Segments
Define Key Segment Values \Navigate Setup Flexfields Key Values	Segment Values Navigator: Setup > Flexfields > Key > Values > [Find]
Define Location \Navigate Setup Org Location	Location Navigator: Setup > Organizations > Locations
Define Manufacturer Part Numbers \Navigate Item CrossRef Manufacturer	Manufacturer Part Numbers Navigator: Items > Manufacturers' Part Numbers > By Items > [New] or Navigator: Items > Manufacturer's Part Numbers > By Manufacturers > [Parts] or Navigator: Items > Master Items. From the Tools Menu choose Manufacturer Part Numbers
Define Material Overhead Defaults \Navigate Navigate Setup Cost Defaults	Material Overhead Defaults Navigator: Setup > Costs > Sub–elements > Defaults

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Material Sub–Elements \ Navigate Setup Cost Material	Material Sub–elements Navigator: Setup > Costs > Sub–elements > Material
Define Movement Statistics Parameters \ Navigate Setup Statistics	Movement Statistics Parameters Navigator: Setup > Transactions > Movement Statistics > Parameters
Define Organization \ Navigate Setup Org Define	Organization Navigator: Setup > Organizations > Organizations
Define Organization Access \ Navigate Setup Org Access	Organization Access Navigator: Setup > Organizations > Organization Access
Define Organization Parameters \ Navigate Setup Org Parameters	Organization Parameters Navigator: Setup > Organizations > Parameters
Define Overhead \ Navigate Setup Cost Overhead	Overheads Navigator: Setup > Costs > Sub–elements > Overheads
Define Pending Statuses \ Navigate Setup Item Status Pending	Item Status History Navigator: Items > Master Items. From the Tools menu choose Pending Status or Navigator: Items > Organization Items. From the Tools menu choose Pending Status
Define Period Rates \ Navigate Setup Financial Currencies Rates Period	Period Rates Navigator: Setup > Financials > Currencies > Period Rates
Define Period Types \ Navigate Setup Financial Calendar Types	Period Types Navigator: Setup > Financials > Accounting Calendar > Types

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Physical Inventory \Navigate Accuracy Physical Define	Define Physical Inventory Navigator: Counting > Physical Inventory > Physical Inventories > [New] or Navigator: Counting > Physical Inventory > Physical Inventories > [Open]
Define Picking Rule \Navigate Setup Names PickRule	Picking Rules Navigator: Setup > Rules > Picking
Define Planners \Navigate Setup Names Planner	Planners Navigator: Setup > Planners
Define Purchasing Options \Navigate Setup Receiving Purchasing	Purchasing Options Navigator: Setup > Receiving > Purchasing
Define Receiving Options \Navigate Setup Receiving Receiving	Receiving Options Navigator: Setup > Receiving > Receiving
Define Report Set \Navigate Report Set	Request Set Use the System Administrator responsibility Navigator: Concurrent > Set
Define Rollup Groups \Navigate Setup Flexfields Key Groups	Rollup Groups Navigator: Setup > Flexfields > Key > Groups
Define Security Rule \Navigate Setup Flexfields Validation Security Define	Define Security Rules Navigator: Setup > Flexfields > Validation > Security > Define > [Find]
Define Segment Values \Navigate Setup Flexfields Validation Values	Segment Values Navigator: Setup > Flexfields > Validation > Values > [Find]
Define Serial Numbers \Navigate Item Controls Define Serial	Serial Numbers Navigator: On–hand, Availability > Serial Numbers > [Find]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Set of Books \ Navigate Setup Financials Books	Set of Books Navigator: Setup > Financials > Books
Define Shorthand Aliases \ Navigate Setup Flexfields Key Aliases	Shorthand Aliases Navigator: Setup > Flexfields > Key > Aliases
Define Status \ Navigate Setup Names Status	Item Status Navigator: Setup > Items > Status Codes
Define Stock Locator \ Navigate Setup Org Structure Locator	Stock Locators Navigator: Setup > Organizations > Stock Locators > [New] or Navigator: Setup > Organizations > Subinventories > [Locators]
Define Subinventory \ Navigate Setup Org Structure Subinventory	Subinventories Summary Navigator: Setup > Organizations > Subinventories > [New]
Define Subinventory / Item Information \ Navigate Items Controls Subinventory SubItem	Item Subinventories Navigator: Setup > Organizations > Subinventories > [Item / Subinventory]
Define Transaction Reasons \ Navigate Setup Transaction Reasons	Transaction Reasons Navigator: Setup > Transactions > Reasons
Define Transaction Source Types \ Navigate Setup Transaction SourceTypes	Transaction Source Types Navigator: Setup > Transactions > Source Types
Define Transaction Types \ Navigate Setup Transaction Type	Transaction Types Navigator: Setup > Transactions > Types or Navigator: Setup > Transactions > Source Types > [Transaction Types]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Define Unit of Measure Classes \Navigate Setup Names UOM Classes	Unit of Measure Classes Navigator: Setup > Units of Measure > Classes
Define Unit of Measure Conversions \Navigate Setup Names UOM Conversions	Unit of Measure Conversions Navigator: Setup > Units of Measure > Conversions or Navigator: Setup > Units of Measure > Classes > [Conversions] or Navigator: Setup > Units of Measure > Units of Measure > [Conversions]
Define Units of Measure \Navigate Setup Names UOM Units	Units of Measure Navigator: Setup > Units of Measure > Units of Measure or Navigator: Setup > Units of Measure > Classes > [Units of Measure]
Define Value Set \Navigate Setup Flexfields Validation Sets	Value Sets Navigator: Setup > Flexfields > Validation > Sets
Define Workday Calendar \Navigate Setup Org Calendar Define	Workday Calendar Navigator: Setup > Organizations > Calendars
Define Workday Exception Sets \Navigate Setup Org Calendar ExceptionSets	Exception Templates Navigator: Setup > Organizations > Calendar Exception Templates or Navigator: Setup > Organizations > Calendars. From the Tools Menu choose Exception Templates
Delete Item Information \Navigate Item Delete	Deletion Groups Navigator: Items > Delete Items

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Enter Cycle Counts \Navigate Accuracy CycleCount Count Enter	Cycle Count Entries Navigator: Counting > Cycle Counting > Cycle Count Entries or Navigator: Counting > Cycle Counting > Cycle Counts > [Counts]
Enter Employee \Navigate Setup Org Employee	Enter Person Navigator: Setup > Organizations > Employees
Enter Forecast Entries \Navigate Plan Forecast Enter	Item Forecast Entries Navigator: Planning > Forecasts > Entries or Forecast Consumptions Navigator: Planning > Forecasts > Entries > [Bucketed] > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Entries > [Consumptions] or Navigator: Planning > Forecasts > Items > [Bucketed] > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Items > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Sets > [Forecast Set Items] > [Bucketed] > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Sets > [Forecast Items] > [Detail] > [Consumptions]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Enter Item Safety Stocks \ Navigate Plan SafetyStock	Enter Item Safety Stocks Navigator: Planning > Safety Stocks > [New]
Enter Manual Schedule Requests \ Navigate Accuracy CycleCount Schedule Manual	Manual Schedule Requests Navigator: Counting > Cycle Counting > Manual Requests or Navigator: Counting > Cycle Counting > Cycle Counts > [Schedule]
Enter Movement Statistics \ Navigate Transact Statistics Statistics	Movement Statistics Navigator: Transactions > Movement Statistics > [New]
Enter Physical Inventory Counts \ Navigate Accuracy Physical Count	Physical Inventory Tag Counts Navigator: Counting > Physical Inventory > Tag Counts or Navigator: Counting > Physical Inventory > Physical Inventories > [Counts]
Enter Receipts \ Navigate Transact Receive Receipts	Receipts Navigator: Transactions > Receiving > Receipts > [Find] and Receipt Header Navigator: Transactions > Receiving > Receipts> [Find] > [Header]
Enter Receiving Transactions \ Navigate Transact Receive Transactions	Receiving Transactions Navigator: Transactions > Receiving > Receiving Transactions > [Find]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Enter Replenishment Counts \Navigate Plan Replenishment Counts	Replenishment Count Headers Navigator: Counting > Replenishment Counts > Counts > [New] and Replenishment Count Lines Navigator: Counting > Replenishment Counts > Counts > [Find] > [Lines]
Enter Returns and Adjustments \Navigate Transact Receive Adjustments	Receiving Returns Navigator: Transactions > Receiving > Returns > [Find] and Receiving Corrections Navigator: Transactions > Receiving > Corrections > [Find]
Generate Automatic Schedule Requests \Navigate Accuracy CycleCount Schedule Automatic	Cycle Count Summary Navigator: Counting > Cycle Counting > Cycle Counts. From the Tools menu choose Cycle Count Scheduler
Generate Cycle Count Requests \Navigate Accuracy CycleCount Count Requests	Cycle Count Summary Navigator: Counting > Cycle Counting > Cycle Counts. From the Tools menu choose Generate Count Requests
Generate Physical Inventory Tags \Navigate Accuracy Physical Tags Generate	Generate Physical Inventory Tags Navigator: Counting > Physical Inventory > Tag Generation > [Generate] or Navigator: Counting > Physical Inventory > Physical Inventories > [Open]. From the Tools menu choose Generate Tags
Inspect Customer Returns \Navigate Transact RMA Inspect	Inspect Customer Returns Navigator: Transactions > Customer Returns > Inspect

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Load Forecast \ Navigate Plan Forecast Load	Generate Forecast Navigator: Planning > Forecasts > Generate and Copy / Merge Forecast Navigator: Planning >Forecasts > Items > [Copy / Merge Forecast]
Maintain Shipments \ Navigate Transact InterOrg Update	Manage Shipments Navigator: Transactions > Receiving > Manage Shipments > [Find]
Mass Edit Item Accounts \ Navigate Cost Item MassEdit Account	Mass Edit Item Accounts Navigator: Costs > Cost Mass Edits > Mass Edit Item Accounts
Mass Edit Item Cost Information \ Navigate Cost Item MassEdit Cost	Mass Edit Cost Information Navigator: Costs > Cost Mass Edits > Mass Edit Cost Information
Material Workbench \ Navigate On–hand, Availibility Material Workbench	Material Workbench Navigator On–hand, Availibility > Material Workbench
Open Accounting Periods \ Navigate Cost Period Open	Inventory Accounting Periods Navigator: Accounting Close Cycle > Inventory Accounting Periods
Perform Complete Cycle Count Scheduling \ Navigate Accuracy CycleCount Schedule Complete	Cycle Count Scheduler Parameters Navigator: Counting > Cycle Counting > Cycle Counts. From the Tools menu choose Perform Full Cycle Count
Perform VMI Replenshishment Transfer \ Navigate Transaction Planning Transfer	Planning Transfer Navigator Transactions > Planning Transfer
Perform Miscellaneous Transactions \ Navigate Transact Misc	Miscellaneous Transaction Navigator: Transactions > Miscellaneous Transaction

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Perform Physical Inventory Adjustments \Navigate Accuracy Physical Adjust	Physical Inventory Adjustments Navigator: Counting > Physical Inventory > Approve Adjustments > [Find] > [Open]
Process Replenishment Interface \Navigate Plan Replenishment Process	Process Replenishment Counts Navigator: Counting > Replenishment Counts > Process Interface
Purge ABC Information \Navigate Accuracy ABC Purge	ABC Compiles Navigator: ABC Codes > ABC Compiles. From the Tools menu choose Purge Compile
Purge Cost Information \Navigate Cost Item Purge	Purge Cost Information Navigator: Costs > Cost Mass Edits > Purge Cost Information
Purge Cycle Count Information \Navigate Accuracy Physical Purge	Cycle Counts Navigator: Counting > Cycle Counting > Cycle Counts > [Open]. From the Tools menu choose Purge Cycle Count
Purge Physical Inventory Information \Navigate Accuracy Physical Purge	Define Physical Inventory Navigator: Counting > Physical Inventory > Physical Inventories. From the Tools menu choose Perform purge
Purge Replenishment Counts \Navigate Plan Replenishment Purge	Purge Replenishment Counts Navigator: Counting > Replenishment Counts > Purge
Purge Standard Cost Update History \Navigate Cost CostUpdate Purge	Purge Cost Information Navigator: Costs > Cost Mass Edits > Purge Cost Information
Purge Transaction History \Navigate Transact Purge	Purge Transactions Navigator: Transactions > Purge

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Receive Customer Returns \Navigate Transact RMA Receive	Receipt of Customer Return Navigator: Transactions > Customer Returns > RMA Receipt > [Transaction Lines]
Report Cost Update Adjustments \Navigate Report Cost Adjustment	Standard Cost Adjustments Navigator: Reports > Costs > Adjustments
Report Pending Adjustments \Navigate Report Cost Pending	Pending Costs Reports Navigator: Reports > Costs > Pending
Request Accuracy and Analysis Reports \Navigate Report Accuracy	ABC and Counting Reports Navigator: Reports > ABC and Counting
Request Cycle Count List \Navigate Accuracy CycleCount Count List	ABC and Counting Reports Navigator: Reports > ABC and Counting
Request Intercompany Invoicing Reports \Navigate Report Intercompany Invoicing	Intercompany Invoicing Reports Navigator: Reports > Intercompany Invoicing
Request Interface Managers \Navigate Setup Transaction InterfaceMgr	Use the System Administrator responsibility and See: System Administration Character Mode Forms and Corresponding GUI Forms.
Request Item Cost Reports \Navigate Report Cost All	Item Cost Reports Navigator: Reports > Costs > Items
Request Items Reports \Navigate Report Item	Items Reports Navigator: Reports > Items
Request Min–Max Planning Report \Navigate Plan MinMax	Planning and Forecasting Reports Navigator: Reports > Planning
Request Multi–Org Item Quantities Reports \Navigate Report OnHand MultiOrg	On–hand Reports Navigator: Reports > On–hand

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Request Planning and Forecasting Reports \ Navigate Report Plan	Planning and Forecasting Reports Navigator: Reports > Planning
Request Reorder Point Planning Report \ Navigate Plan Reorder	Reorder Point Planning Navigator: Planning > Reorder Point Planning
Request Setup Reports \ Navigate Report Setup	Setup Reports Navigator: Reports > Setup
Request Single–Org Item Quantities Reports \ Navigate Reports OnHand SingleOrg	On–hand Reports Navigator: Reports > On–hand
Request Transactions Reports \ Navigate Report Transact	Transaction Reports Navigator: Reports > Transactions
Reserve Available Inventory \ Navigate Transact Reserve	Reserve Available Items Summary Navigator: On–hand, Availability > Reservations or Navigator: On–hand, Availability > View Reservations > [Find] > [Create] or Navigator: On–hand, Availability > View Reservations > [Find] > [Modify]
Return to Customer \ Navigate Transact RMA Return	Rejection of Customer Returns Navigator: Transactions > Customer Returns > RMA Return > [Transaction Lines]
Run Reports \ Navigate Report	All Reports Navigator: Reports > All Submit Request window See: Submit Requests *(Oracle Applications User's Guide)* Navigator: Reports > Run

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Search Items \ Navigate Inquiry Item Search	Item Search Navigator: Items > Item Search > Find
Summarize Demand Histories \ Navigate Plan History	Demand History Compile Navigator: Planning > Compile Demand History
Transfer Between Organizations \ Navigate Transact InterOrg Transfer	Shipping Networks Navigator: Setup > Organizations > Shipping Networks
Transfer Between Subinventories \ Navigate Transact Subinv Transfer	Subinventory Transfer Navigator: Transactions > Subinventory Transfer
Transfers Transactions to General Ledger \ Navigate Cost Period GLTrans	General Ledger Transfer Navigator: Accounting Close Cycle > General Ledger Transfers or Navigator: Accounting Close Cycle > View General Ledger Transfers > [Find]
Update ABC Assignments \ Navigate Accuracy ABC Update	Update ABC Assignment Groups Navigator: ABC Codes > ABC Assignment Groups > [Update Items] or Update ABC Item Assignments Navigator: ABC Codes > Update Item Assignments > [Find]
Update Accounting Periods \ Navigate Cost Period Update	Inventory Accounting Periods Navigator: Accounting Close Cycle > Inventory Accounting Periods > [Change Status]
Update Average Cost \ Navigate Cost CostUpdate Update	Update Average Cost Navigator: Costs > Average Cost Update
Update Item Cost \ Navigate Cost CostUpdate Update	Standard Cost Update Navigator: Costs > Standard Cost Update > Update Costs

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
Update Item Lot Information \ Navigate Item Controls Lot	Item Lots Navigator: On–hand, Availability > Lots > [Find]
Update Item Statuses \ Navigate Setup Item Status Update	Pending Status Navigator: Items > Pending Status
Update Item / Org Attributes \ Navigate Item Update	Organization Item Navigator: Items > Organization Items > [Find]
Update Personal Profile Options \ Navigate Other Profile	Personal Profile Values Navigator: Setup > Profiles > Personal
Update Serial Number Information \ Navigate Item Controls Serial Update	Serial Numbers Navigator: On–Hand, Availability > Serial Numbers > [Find]
View Activities \ Navigate Inquiry Setup Cost Activity	Go To View Navigator: Costs > Item Costs Summary > [Find] > [Views]
View Bucketed Forecast \ Navigate Inquiry Plan Forecast Bucketed	Forecast Bucketed Entries Navigator: Planning > Forecasts > Entries > [Bucketed]
View Concurrent Requests \ Navigate Other Request	Requests window See: Viewing Requests *(Oracle Applications User's Guide)* Navigator: Requests > [Find] Choose: View Output button – to view Request Output View Log button – to view Request Log Use the Menu to choose: Tools > Managers – to view Manager Log

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Cost Type \Navigate Inquiry Setup Cost CostType	View Standard Cost Update Navigator: Costs > Standard Cost Update > View Cost Update or Item Costs Summary Navigator: Costs > Item Costs > [Find]
View Delete History \Navigate Inquiry Item DeleteHistory	Deletion Groups Navigator: Items > Delete Items
View Demand History Information \Navigate Inquiry Plan History	Demand History Items Navigator: Planning > Demand History or Demand History Navigator: Planning > Demand History > [History]
View Forecast Entries \Navigate Inquiry Plan Forecast Detail	Forecast Consumptions Navigator: Planning > Forecasts > Entries > [Consumptions or Navigator: Planning > Forecasts > Items > [Bucketed] > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Items > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Sets > [Forecast Items] > [Bucketed] > [Detail] > [Consumptions] or Navigator: Planning > Forecasts > Sets > [Forecast Items] > [Detail] [Consumptions]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Item Attributes \ Navigate Inquiry Item Attributes	Item Attributes Navigator: Items > Item Information > [Attributes] or Navigator: Items > Item Search > [Find]. From the Tools Menu choose Item Attributes
View Item Available to Promise Information \ Navigate Inquiry Plan ATP	ATP Results Navigator: On–hand, Availability > Available to Promise > [ATP Criteria] > [ATP Results]
View Item Cost Information \ Navigate Inquiry Cost Item	Go To View Navigator: Costs > Item Costs > [Find] > [Views]
View Item Information \ Navigate Inquiry Item Item	Find Item Information Navigator: Items > Item Information
View Item Quantities \ Navigate Inquiry OnHand Item	Item On–hand Quantities Navigator: On–hand, Availability > On–hand Quantities > [Item] > [Find]
View Item Reservations Navigate Inquiry Item Reserve	Item Reservations Navigator: On–hand, Availability > View Reservations > [Find]
View Item Supply Demand / Demand Information \ Navigate Inquiry Plan SupplyDemand	Supply / Demand Detail Navigator: On–hand, Availability > Available to Promise > [ATP Criteria] > [ATP Results] > [Supply Demand] or Navigator: On–hand, Availability > Item Supply Demand > [Find]
View Locator Quantities \ Navigate Inquiry OnHand Locator	Detailed On–hand Quantities Navigator: On–hand, Availability > On–hand Quantities > [Find] or Navigator: On–hand, Availability > Lots > [Find] > [On–hand]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Lot Transactions \ Navigate Inquiry Transact Lot	Lot Transactions Navigator: Transactions > Material Transactions > [Find] > Lot / Serial
View Material Sub–Elements \ Navigate Inquiry Setup Cost Material	Material Sub–elements Navigator: Setup > Costs > Sub–elements > Material
View MultiOrg Item Cost History \ Navigate Inquiry Cost MultiOrg	Run Multi–Organization Quantity Report Navigator: On–hand, Availability > Multi–Organization Quantities
View Negative Inventory Information \ Navigate Inquiry OnHand Negative	Item On–hand Quantities Navigator: On–hand, Availability > On–hand Quantities > [Find] Note: You must enter 0 as the last search quantity in the Find window.
View Overhead \ Navigate Inquiry Setup Cost Overhead	Overheads Navigator: Setup > Costs > Sub–elements > Overheads
View Pending Interface Activity \ Navigate Inquiry Transact Interface	Transaction Interface Navigator: Transactions > Transaction Open Interface > [Find] or Pending Transactions Navigator: Transactions > Pending Transactions > [Find] or Demand Interface Navigator: Planning > Demand Interface > [Find]
View Period Close Information \ Navigate Inquiry Cost PeriodClose	Inventory Accounting Periods Navigator: Accounting Close Cycle > Inventory Accounting Periods
View Picking Rule \ Navigate Inquiry Setup PickRule	Picking Rules Navigator: Setup > Rules > Picking

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Receiving Transaction Status \ Navigate Inquiry Transact Receiving Status	Transaction Statuses Navigator: Transactions > Receiving > Transactions Status Summary > [Find]
View Receiving Transactions \ Navigate Inquiry Transact Receiving All	Receiving Corrections Navigator: Transactions > Receiving > Corrections > [Find] or Receiving Returns Navigator: Transactions > Receiving Transactions > Returns or Receipt Headers Summary Navigator: Transactions > Receiving > View Receiving Transactions > [Headers] > [Find] or Receipt Transaction Summary Navigator: Transactions > Receiving > View Receiving Transactions > [Find] > [Transactions] or Receiving Transactions Navigator: Transactions > Receiving > Receiving Transactions > [Find]
View Reports \ Navigate Report View	Requests window See: Viewing Requests *(Oracle Applications User's Guide)* Navigator: Requests > [Find] Choose: View Output button – to view Request Output View Log button – to view Request Log

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Serial Number Transactions \ Navigate Inquiry Transact Serial	Transaction Serial Numbers Navigator: Transactions > Material Transactions > [Find] > [Lot / Serial] or Navigator: On–hand, Availability > Serial Numbers > [Find] > [Transactions] > [Lot / Serial]
View Standard Cost History \ Navigate Inquiry Cost CostHistory	Standard Cost History Navigator: Costs > Standard Cost Update > View Cost History > {Find]
View Standard Cost Updates \ Navigate Inquiry Cost Updates	View Standard Cost Update Navigator: Costs > Standard Cost Update > View Cost Update
View Subinventory Quantities \ Navigate Inquiry OnHand Subinventory	Subinventory On–hand Quantities Navigator: On–hand, Availability > On–hand Quantities > [Subinventory] > [Find] or Detailed On–hand Quantities Navigator: On–hand, Availability > Lots > [Find] > [On–hand]
View Transaction Distributions \ Navigate Inquiry Transact Distribution	Material Transaction Distribution Navigator: Transactions > Material Distributions or Navigator: Transactions > Material Transactions > [Find] > [Distributions]
View Transactions \ Navigate Inquiry Transact All	Material Transactions Navigator: Transactions > Material Transactions > [Find]

Character Mode Form and Menu Path	GUI Window or Process and Navigation Path
View Transactions by Source Type \ Navigate Inquiry Transact Source	Material Transactions Navigator: Transactions > Material Transactions > [Find]
Void Physical Inventory Tags \ Navigate Accuracy Physical Tags Void	Physical Inventory Tag Counts Navigator: Counting > Physical Inventory > Tag Counts

APPENDIX

B

Oracle Inventory Flexfields

Oracle Inventory Flexfields

Oracle Inventory provides the following flexfields:

- Account Aliases
- Item Catalogs
- Item Categories
- Sales Orders
- Stock Locators
- System Items

Depending on your system's setup, Inventory may also use some or all of the following flexfields provided by other Oracle products:

- Accounting (Oracle General Ledger)
- Sales Tax Location (Oracle Receivables)
- Territory (Oracle Receivables)

See Also

Designing Your Accounting Flexfield, *Oracle General Ledger User's Guide*

Defining a Sales Tax Location Flexfield Structure, *Oracle Receivables User's Guide*

Territory Flexfield, *Oracle Receivables User's Guide*

Account Aliases

Account Aliases

Owner	Oracle Inventory
Flexfield Code	MDSP
Table Name	MTL_GENERIC_DISPOSITIONS
Number of Columns	20
Width of Columns	40
Dynamic Inserts Possible	No
Unique ID Column	DISPOSITION_ID
Structure Column	ORGANIZATION_ID

This key flexfield supports only one structure.

Item Catalogs

Item Catalogs

Owner	Oracle Inventory
Flexfield Code	MICG
Table Name	MTL_ITEM_CATALOG_GROUPS
Number of Columns	15
Width of Columns	40
Dynamic Inserts Possible	No
Unique ID Column	ITEM_CATALOG_GROUP_ID
Structure Column	None

This key flexfield supports only one structure.

Item Categories

Item Categories

Owner	Oracle Inventory
Flexfield Code	MCAT
Table Name	MTL_CATEGORIES
Number of Columns	20
Width of Columns	40
Dynamic Inserts Possible	No
Unique ID Column	CATEGORY_ID
Structure Column	STRUCTURE_ID

You must design and configure your Item Categories Flexfield before you can start defining items since all items must be assigned to categories.

You can define multiple structures for your Item Categories Flexfield, each structure corresponding to a different category grouping scheme. You can then associate these structures with the categories and category sets you define.

Sales Orders

Sales Orders

Owner	Oracle Inventory
Flexfield Code	MKTS
Table Name	MTL_SALES_ORDERS
Number of Columns	20
Width of Columns	40
Dynamic Inserts Possible	Yes
Unique ID Column	SALES_ORDER_ID
Structure Column	None

The Sales Order Flexfield is a key flexfield used by Oracle Inventory to uniquely identify sales order transactions Oracle Order Management interfaces to Oracle Inventory.

Your Sales Order Flexfield should be defined as Order Number, Order Type, and Order Source. This combination guarantees each transaction to Inventory is unique.

You must define this flexfield before placing demand or making reservations in Oracle Order Management.

You must set up the **OM: Source Code** profile option to determine the source code you will use in for the third segment of this flexfield to guarantee that each transaction is unique. (Oracle Inventory defaults the value of the **OM: Source Code** profile option to 'ORDER MANAGEMENT'.)

For your value sets, you must use Dynamic Inserts. The Validation Type should be None. Value Required should be Yes to improve performance of concurrent programs. The value set must be alphanumeric. The value set maximum size must be 40.

You should set the Required field to Yes in the Validation Information region when enabling the flexfield segments. Setting this field to Yes, improves performance when updating existing demand or reservations by guaranteeing that Oracle Order Management always supplies a value.

Set Right–justify Zero–fill Numbers to No so sales order numbers are not padded with zeros.

Oracle Inventory defines a unique ID for each order in MTL_SALES_ORDERS based on this flexfield. The Inventory unique

ID, as opposed to the Order Management unique ID, is used throughout Oracle Manufacturing applications.

Stock Locators

Stock Locators

Owner	Oracle Inventory
Flexfield Code	MTLL
Table Name	MTL_ITEM_LOCATIONS
Number of Columns	20
Width of Columns	40
Dynamic Inserts Possible	Yes
Unique ID Column	INVENTORY_LOCATION_ID
Structure Column	ORGANIZATION_ID

You can use the Stock Locators Flexfield to capture more information about stock locators in inventory. If you do not have Oracle Inventory installed, or none of your items have locator control, it is not necessary to set up this flexfield.

If you keep track of specific locators such as aisle, row, bin indicators for your items, you need to configure your Stock Locators Flexfield and implement locator control in your organization.

This key flexfield supports only one structure.

System Items (Item Flexfield)

System Items

Owner	Oracle Inventory
Flexfield Code	MSTK
Table Name	MTL_SYSTEM_ITEMS
Number of Columns	20
Width of Columns	40
Dynamic Inserts Possible	No
Unique ID Column	INVENTORY_ITEM_ID
Structure Column	ORGANIZATION_ID

You can use the System Items Flexfield (also called the Item Flexfield) for recording and reporting your item information. You must design and configure your Item Flexfield before you can start defining items.

All Oracle Applications products that reference items share the Item Flexfield and support multiple–segment implementations. However, this flexfield supports only one structure.

You must set up your **OE: Item Flexfield** profile option to specify the Item Flexfield structure that you will use for your Oracle applications.

Users can also set up the **OE: Item Flexfield Entry Method** profile option to specify your preferred method of entry for this flexfield.

You can optionally use the item flexfield to default item information for invoice, debit memo, and credit memo lines or you can enter your own line information.

GLOSSARY

ABC classification A method of classifying items in decreasing order of importance, such as annual dollar volume or your company's transaction history.

account *See* **accounting flexfield**

account alias An easily recognized name or label representing an account charged on miscellaneous transactions. You may view, report, and reserve against an account alias.

accounting flexfield A feature used to define your account coding for accounting distributions. For example, this structure can correspond to your company, budget account, and project account numbers. For simplicity, Inventory and Oracle Manufacturing use the term account to refer to the accounting flexfield.

accounting flexfield limit The maximum amount you authorize an employee to approve for a particular range of accounting flexfields.

accounting period The fiscal period a company uses to report financial results, such as a calendar month or fiscal period.

accounts payable accrual account The account used to accrue payable liabilities when you receive your items. Always used for inventory and outside processing purchases. You can also accrue expenses at the time of receipt. Used by Purchasing and Inventory, the accounts payable account represents your non–invoiced receipts, and is included in your month end accounts payable liability balance. This account balance is cleared when the invoice is matched in Payables.

accumulate available An option used to calculate ATP information where available quantity of an item is carried from one ATP period to the next.

acquisition cost The cost necessary to obtain inventory and prepare it for its intended use. It includes material costs and various costs associated with procurement and shipping of items, such as duty, freight, drayage, customs charges, storage charges, other supplier's charges, and so on.

adjustment tolerance Determines when Inventory does not make a cycle count adjustment. Inventory does not make an adjustment if your physical count differs from the on–hand inventory quantity by less than the specified tolerance. You define adjustment tolerance when you define an item.

alpha smoothing factor A value between 0 and 1 used in statistical forecasting calculations for smoothing demand fluctuations. Inventory uses the factor to determine how much weight to give to current demand when calculating a forecast.

alternate routing An alternate manufacturing process you can use to produce an assembly.

alternate unit of measure All other units of measure defined for an item, excluding the primary unit of measure.

annual carrying cost Cost of carrying inventory, defined as a percent of the dollar value of inventory per year.

approval tolerance Determines when Inventory automatically makes a cycle count adjustment or holds adjustments for approval. You specify this as a percentage of quantity or value.

assemble–to–order (ATO) An environment where you open a final assembly order to assemble items that customers order. Assemble–to–order is also an item attribute that you can apply to standard, model, and option class items.

ATP *See* **available to promise.**

ATT *See* **available to transact.**

available to promise quantity *See* **available to promise (ATP)**

available–to–promise rule A set of Yes / No options for various entities that the user enters in Oracle Inventory. The combination of the various entities are used to define what is considered supply and demand when calculating available to promise quantity.

Available To Transact (ATT) Quantity on hand less all reservations for the item which may be transferred within or out of inventory.

average costing A costing method which can be used to cost transactions in both *inventory only* and *manufacturing* (inventory and work in process) environments. As you perform transactions, the system uses the transaction price or cost and automatically recalculates the average unit cost of your items.

average cost variance A variance account used to hold amounts generated when on–hand inventory quantity is negative and the unit cost of a subsequent receipt is different from the current unit cost.

backflush transaction A material transaction that automatically issues component items into work in process from inventory when you move or complete the assembly. Also known as post–deduct or pull**.** *See* **pull transaction**

backward consumption days A number of days backwards from the current date used for consuming and loading forecasts. Consumption of a forecast occurs in the current bucket and as far back as the backward consumption days. If the backward consumption days enters another bucket, the forecast also consumes anywhere in that bucket. When loading a forecast, only forecasts of the current date minus the backward consumption days are loaded. Therefore, you can use backward consumption days to load forecasts that are past due.

bill of material A list of component items associated with a parent item and information about how each item relates to the parent item. Oracle Manufacturing supports standard, model, option class, and planning bills. The item information on a bill depends on the item type and bill type. The most common type of bill is a standard bill of material. A standard bill of material lists the components associated with a product or subassembly. It specifies the required quantity for each component plus other information to control work in process, material planning, and other Oracle Manufacturing functions. Also known as **product structures.**

blanket purchase agreement A type of purchase order you issue before you request actual delivery of goods or services. You normally create a blanket purchase agreement to document a long–term supplier agreement. A blanket purchase agreement may contain an effective date and an expiration date, a committed amount, or quantity. You use a blanket purchase agreement as a tool for specifying agreed prices and delivery dates for goods and services before ordering them.

blanket purchase order *See* **blanket purchase agreement**

BOM item type An item classification that determines the items you can use as components in a bill of material. BOM Item types include standard, model, option class, and planning items.

bulk items Component items on a bill of material not usually transacted directly to the job or repetitive schedule. Bulk items are usually charged to the work in process department where the item is consumed.

buyer Person responsible for placing item resupply orders with suppliers and negotiating supplier contracts.

calendar type The period pattern used to define a manufacturing calendar.

capacity requirements planning A time–phased plan comparing required capacity to available capacity, based on a material requirements plan and department / resource information. *See* **routing–based capacity** and **rate–based capacity**

category Code used to group items with similar characteristics, such as plastics, metals, or glass items.

category set A feature in Inventory where users may define their own group of categories. Typical category sets include purchasing, materials, costing, and planning.

common bill of material An assembly that uses the bill of material of another assembly as its bill. This enables you to reduce your maintenance effort by sharing the same bill structure among two or more assemblies. For example, if you have identical bills of material that produce the same product in two different organizations, you can define common bills of material for the identical structures.

common locator .A locator without a project or project and task reference. *See also* **project locator**

common subinventory Subinventory that does not have a project reference into which items can be delivered and out of which items can be issued and transferred.

component item An item associated with a parent item on a bill of material.

concurrent manager Components of your applications concurrent processing facility that monitor and run time–consuming tasks for you without tying up your terminal. Whenever you submit a request, such as running a report, a concurrent manager does the work for you, letting you perform many tasks simultaneously.

concurrent process A task in the process of completing. Each time you submit a task, you create a new concurrent process. A concurrent process runs simultaneously with other concurrent processes (and other activities on your computer) to help you complete multiple tasks at once with no interruptions to your terminal.

concurrent queue A list of concurrent requests awaiting completion by a concurrent manager. Each concurrent manager has a queue of requests waiting in line. If your system administrator sets up simultaneous queuing, your request can wait to run in more than one queue.

concurrent request A request to complete a task for you. You issue a request whenever you submit a task, such as running a report. Once you submit a task, the concurrent manager automatically takes over for you,

completing your request without further involvement from you, or interruption to your work. Concurrent managers process your request according to when you submit the request and the priority you assign to your request. If you do not assign a priority to your request, your application prioritizes the request for you.

configuration A product a customer orders by choosing a base model and a list of options. It can be shipped as individual pieces as a set (kit) or as an assembly (configuration item).

consume shortage backward An option used to calculate ATP information by using surplus quantity from prior periods to cover a period shortage.

consume shortage forward An option used to calculate ATP information by using surplus quantity from future ATP periods to cover a period shortage.

cost element A classification for the cost of an item. Oracle Manufacturing supports five cost elements: material, material overhead, resource, outside processing, and overhead.

cost type A set of costs for items, activities, resources, outside processing, and overheads. You may have unlimited cost types for each organization, but only one is used to record cost transactions. The Frozen Standard cost type is used for standard costing; the Average Costs type is used for Average costing. Others could be defined for simulation or temporary purposes.

cost variance The difference between the actual and expected cost. Oracle Manufacturing and Payables supports the following cost variances: invoice price, resource rate, and standard cost variances.

count point operation A default operation to move to and from where you record move and charge resource transactions. Also known as **pay point**.

cross reference A user–defined link from an item number to another piece of information.

cumulative manufacturing lead time The total time required to make an item if you had all raw materials in stock but had to make all subassemblies level by level. Bills of Material automatically calculates this value. Purchased items have no cumulative manufacturing lead time.

cumulative total lead time The total time required to make an item if no inventory existed and you had to order all the raw materials and make all subassemblies level by level. Bills of Material automatically calculates this value.

current average cost The current weighted average cost per unit of an item before a transaction is processed. *See* **new average cost**.

current on–hand quantity Total quantity of the item on–hand before a transaction is processed.

cutoff date An indication of the last date to be included in a plan or horizon.

cycle counting An inventory accuracy analysis technique where inventory is counted on a cyclic schedule rather than once a year.

delete entity An item, bill of material or routing you choose to delete.

delete group A set of items, bills, and routings you choose to delete.

delete subentity A component or operation you choose to delete.

deletion constraint A business rule that restricts the entities you can delete. A

deletion constraint is a test that must succeed before an item, bill, or routing can be deleted.

demand Projected inventory issue transactions against an item. For Order Management, it is an action you take to communicate current or future product needs to manufacturing.

demand class A classification of demand to allow the master scheduler to track and consume different types of demand. A demand class may represent a particular grouping of customers, such as government and commercial customers. Demand classes may also represent different sources of demand, such as retail, mail order, and wholesale.

demand history Historical inventory issue transactions against an item.

demand interface A data collection point that collects and stores all sales order demand and reservation information.

destination organization An inventory organization that receives item shipments from a given organization.

discrete job A production order for the manufacture of a specific (discrete) quantity of an assembly, using specific materials and resources, in a limited time. A discrete job collects the costs of production and allows you to report those costs—including variances—by job. Also known as **work order** or **assembly order.**

discrete manufacturing A manufacturing environment where you build assemblies in discrete jobs or batches. Different from a repetitive production environment where you build assemblies on production or assembly lines at a daily rate.

dynamically defined serial number Creating and assigning serial numbers as you need them, instead of creating serial numbers before their assignment.

encumbrance *See* **purchase order encumbrance**.

encumbrance type An encumbrance category that allows you to track your expenditures according to your purchase approval process and better control your planned expenditures. You can set up separate encumbrance types for each stage in your purchasing cycle to track your spending at each level. Examples of encumbrance types are commitments (requisition encumbrances) and obligations (purchase order encumbrances).

end item Any item that can be ordered or sold. *See* **finished good** and **product**

engineering change order (ECO) A record of revisions to one or more items usually released by engineering.

engineering item A prototype part, material, subassembly, assembly, or product you have not yet released to production. You can order, stock, and build engineering items.

FIFO (first–in–first–out) costing method A cost flow methodused for inventory valuation. Inventory balances and values are updated perpetually after each transaction is sequentially costed. It assumes that the earliest inventory units received or produced are the first units used or shipped. The ending inventory therefore consists of the most recently acquired goods. FIFO cost flow does not have to match the physical flow of inventory.

FIFO costing Costing method where it is assumed that items that were received earliest are transacted first.

finished good Any item subject to a customer order or forecast. *See also* **product**

firm planned order An MRP–planned order that is firmed using the Planner Workbench. This allows the planner to firm portions of the material plan without creating discrete jobs or purchase requisitions. Unlike a firm order, a MRP firm planned order does not create a natural time fence for an item.

Fixed Days Supply An item attribute the planning process uses to modify the size and timing of planned order quantities for the item. The planning process suggests planned order quantities that cover net requirements for the period defined by the value you enter here. The planning process suggests one planned order for each period. Use this attribute, for example, to reduce the number of planned orders the planning process would otherwise generate for a discretely planned component of a repetitively planned item.

fixed lead time The portion of the time required to make an assembly independent of order quantity, such as time for setup or teardown.

Fixed Lot Size Multiplier An item attribute the planning process uses to modify the size of planned order quantities or repetitive daily rates for the item. For discretely planned items, when net requirements fall short of the fixed lot size multiplier quantity, the planning process suggests a single order for the fixed lot size multiplier quantity. When net requirements for the item exceed the fixed lot size multiplier quantity, the planning process suggests a single order with an order quantity that is a multiple of the fixed lot size multiplier quantity. For repetitively planned items, when average daily demand for a repetitive planning period falls short of the fixed lot size multiplier quantity, the planning process suggests a repetitive daily rate equal to the fixed lot size multiplier quantity. When average daily demand for a repetitive planning period exceeds the fixed lot size multiplier quantity, the planning process suggests a repetitive daily rate that is a multiple of the fixed lot size multiplier quantity.

fixed order quantity An item attribute the planning process uses to modify the size of planned order quantities or repetitive daily rates for the item. When net requirements fall short of the fixed order quantity, the planning process suggests the fixed order quantity. When net requirements for the item exceed the fixed order quantity, the planning process suggests multiple orders for the fixed order quantity. For discretely planned items, use this attribute to define a fixed production or purchasing quantity for the item. For repetitively planned items, use this attribute to define a fixed production rate for the item. For example, if your suppliers can only supply the item in full truckload quantities, enter the full truckload quantity as the fixed order quantity for the item.

FOB *See* **freight on board**.

focus forecasting A simulation–based forecasting process that looks at past inventory activity patterns to determine the best simulation for predicting future demand.

forecast An estimate of future demand on inventory items. A forecast contains information on the original and current forecast quantities (before and after consumption), the confidence factor, and any specific customer information. You can assign any number of inventory items to the forecast and use the same item in multiple

forecasts. For each inventory item you specify any number of forecast entries.

forecast consumption The process of subtracting demand generated by sales orders from forecasted demand thereby preventing demand being counted twice in the planning period.

forecast date The date for a forecast entry for an item. A forecast for an item has a forecast date and an associated quantity.

forecast demand A part of your total demand that comes from forecasts, not actual sales orders.

forecast end date A forecast end date implies that until that date, the same quantity is scheduled for each day, week, or period that falls between the forecast date and the end date. A forecast date with no forecast end date is the quantity for that particular day, week, or period, depending on the bucket size.

forecast entry A forecast for an inventory item stated by a date, an optional rate end date, and quantity.

forecast explosion Explosion of the forecast for planning and model bills of material. The forecasted demand for the planning or model bill is passed down to create forecasted demand for its components. You can choose to explode the forecast when loading a forecast.

forecast level The level at which a forecast is defined. Also, the level at which to consume a forecast. Example forecast levels include items, customers, customer bill–to, and customer ship to locations.

forecast load The process of copying one or more source forecasts into a single destination forecast. When copying forecasts, you can choose to overwrite all or a subset of existing entries in the destination forecast, specify whether to explode the source forecast, and specify whether to consume the source forecast. You can choose to modify the source forecast by a modification percent, or roll the source forecast forward or backward by a specified number of carry forward days. You can also load compiled statistical and focus forecasts from Inventory, and you can use the forecast interface table to load forecasts into Master Scheduling / MRP from external sources.

forecast set A group of complementing forecasts. For each forecast set, you specify a forecast level, consumption use, update time fence days, outlier update percents, disable date, default time bucket and demand class. A forecast set can have one or many forecasts within it.

forward consumption days A number of days forward from the current date used for consuming and loading forecasts. Consumption of a forecast occurs in the current bucket and as far forward as the forward consumption days. If the forward consumption days enters another bucket, the forecast consumes anywhere in that bucket, as well.

freight on board (FOB) The point or location where the ownership title of goods is transferred from the seller to the buyer.

freight carrier A commercial company used to send item shipments from one address to another.

frozen costs Costs currently in use for an operation, process, or item including resources, material and overhead charges. Under standard costing, you use the frozen costs for your cost transactions.

general ledger transfer The process of creating a postable batch for the general ledger from summarized inventory / work in process activity for a given period. Using

Journal Import in General Ledger, you can create a postable batch in your general ledger. After running Journal Import, you can post your journal using the General Ledger posting process.

hit/miss tolerance A limit you define for the difference between the on–hand quantity and the actual cycle count quantity. You express positive and negative hit / miss tolerances as percentages of the on–hand quantity.

initialization Defines cycle count classes and items, based on an already existing ABC compile.

inter–organization transfer Transfer of items from one inventory organization to another You can have freight charges and transfer credits associated with inter–organization transfer. You can choose to ship items directly or have them go through intransit inventory.

intransit inventory Items being shipped from one inventory organization to another. While items are intransit you can view and update arrival date, freight charges, and so on.

inventory controls Parameter settings that control how Inventory functions.

inventory item Items you stock in inventory. You control inventory for inventory items by quantity and value. Typically, the inventory item remains an asset until you consume it. You recognize the cost of an inventory item as an expense when you consume it or sell it. You generally value the inventory for an item by multiplying the item standard cost by the quantity on hand.

inventory parameters The set of controls, default options, and default account numbers that determine how Inventory functions.

item attribute control level To maintain item attributes at the item master attribute level or the organization specific level by defining item attribute control consistent with your company policies. For example, if your company determines serial number control at headquarters regardless of where items are used, you define and maintain serial number attribute control at the item master level. If each organization maintains serial number control locally, they maintain those attributes at the organization specific level.

item attributes Specific characteristics of an item, such as order cost, item status, revision control, COGS account, etc.

item category *See* **category**.

item master level attribute An item attribute you control at the item master level as opposed to controlling at the organization level.

item status Code used to control the transaction activity of an item.

Item Validation Organization The organization that contains your master list of items. You define it by setting the *OE: Item Validation Organization* profile option. *See also* **organization**.

kit An item that has a standard list of components (or included items) you ship when you process an order for that item. A kit is similar to a pick–to–order model because it has shippable components, but it has no options and you order it directly by its item number, not using the configuration selection screen.

LIFO (last–in–first–out) costing method A cost flow methodused for inventory valuation. Inventory balances and values are updated perpetually after each transaction is sequentially costed. It assumes that the most

recent inventory units received or produced are the first units used or shipped. The ending inventory consists of old goods acquired in the earliest purchases or completions.

LIFO costing Costing method where it is assumed that items that were received most recently are transacted first.

locator Physical area within a subinventory where you store material, such as a row, aisle, bin, or shelf.

locator control An Oracle Manufacturing technique for enforcing use of locators during a material transaction.

logical organization A business unit that tracks items for accounting purposes but does not physically exist. *See* **organization**.

lot A specific batch of an item identified by a number.

lot control An Oracle Manufacturing technique for enforcing use of lot numbers during material transactions thus enabling the tracking of batches of items throughout their movement in and out of inventory.

lot for lot A lot sizing technique that generates planned orders in quantities equal to the net requirements in each period.

low level code A number that identifies the lowest level in any bill of material that a component appears. Low level codes are used by the MRP planner to ensure that net requirements for the component are not calculated until all gross requirements from parent items have first been calculated.

make–to–order An environment where customers order unique configurations that must be manufactured using multiple discrete jobs and / or final assembly orders where the product from one discrete job is required as a component on another discrete job. Oracle Manufacturing does not provide special support for this environment beyond the support it provides for assemble–to–order manufacturing.

manufacturing material Raw materials and work in process material.

master demand schedule The anticipated ship schedule in terms of rates or discrete quantities, and dates.

master production schedule (MPS) The anticipated build schedule in terms of rates or discrete quantities, and dates.

master schedule The name referring to either a master production schedule or a master demand schedule. *See* **master demand schedule** and **master production schedule**

material overhead A rate or amount you allocate to the cost of your item, usually based on the total material value of the item. Typical examples include material handling, purchasing, and freight expenses. You may also charge material overhead on assembly completions and purchase order receipts as a fixed amount per item or lot, or base it on your activity costs. *See also* **overhead**

material overhead default Defaults you create for your material overheads. Used when you define your items. Your material overhead defaults may be for all items in an organization or for a specific category.

material overhead rate A percentage of an item cost you apply to the item for the purposes of allocating material overhead costs. For example, you may want to allocate the indirect labor costs of your manufacturing facility to items based on a percentage of the item's value and usage.

material requirements planning (MRP) A process that utilizes bill of material information, a master schedule, and current inventory information to calculate net requirements for materials.

material transaction Transfer between, issue from, receipt to, or adjustment to an inventory organization, subinventory, or locator. Receipt of completed assemblies into inventory from a job or repetitive schedule. Issue of component items from inventory to work in process.

Maximum Order Quantity An item attribute the planning process uses to modify the size of planned order quantities or repetitive daily rates for the item. For discretely planned items, when net requirements exceed the maximum order quantity, the planning process suggests the maximum order quantity. For repetitively planned items, when average daily demand for a repetitive planning period exceeds the maximum order quantity, the planning process suggests the maximum order quantity as the repetitive daily rate. Use this attribute, for example, to define an order quantity above which you do not have sufficient capacity to build the item.

min–max planning An inventory planning method used to determine when and how much to order based on a fixed user–entered minimum and maximum inventory levels.

Minimum Order Quantity An item attribute the planning process uses to modify the size of planned order quantities or repetitive daily rates for the item. For discretely planned items, when net requirements fall short of the minimum order quantity, the planning process suggests the minimum order quantity. For repetitively planned items, when average daily demand for a repetitive planning period falls short of the minimum order quantity, the planning process suggests the minimum order quantity as the repetitive daily rate. Use this attribute, for example, to define an order quantity below which it is not profitable to build the item.

model item An item whose bill of material lists options and option classes available when you place an order for the model item.

MPS *See* **master production schedule.**

MRP *See* **material requirements planning.**

multi–source An AutoCreate option that lets a buyer distribute the quantity of a single requisition line to several suppliers whenever the buyer wants to purchase the requisition line item from more than one supplier.

new average cost Cost of an item after a transaction that affects the average cost is processed. *See* **current average cost**.

new on–hand quantity The quantity on–hand immediately after the transaction is performed and saved. Equal to current on–hand quantity plus total quantity. *See* **current on–hand quantity**, **total quantity**.

non–standard asset job A type of non–standard job carried as an asset during the life of the job.

non–standard discrete job A type of discrete job that controls material and resources and collects costs for a wide variety of miscellaneous manufacturing activities. These activities can include rework, field service repair, upgrade, disassembly, maintenance, engineering prototypes, and other projects. Non–standard jobs do not earn material overhead upon assembly completion.

non–standard expense job A type of non–standard job expensed at the close of each accounting period. Typical expense jobs include maintenance and repair.

on–hand quantity The physical quantity of an item existing in inventory.

option class item An item whose bill of material contains a list of related options.

order setup cost The fixed cost associated with placing an order of any quantity for an item.

organization A business unit such as a plant, warehouse, division, department, and so on. Order Management refers to organizations as warehouses on all Order Management windows and reports.

organization–specific level attribute An item attribute you control at the organization level.

outlier quantity The amount of sales order left over after the maximum allowable amount (outlier update percent) was used to consume a forecast.

outlier update percent The maximum percent of the original quantity forecast that a single sales order consumes. It is used to limit forecast consumption by unusually large sales orders

outside processing Performing work on a discrete job or repetitive schedule using resources provided by a supplier.

pending costs The future cost of an item, resource, activity, or overhead. Not used by cost transactions. *See* **frozen costs**.

period *See* **accounting period.**

phantom assembly An assembly Work in Process explodes through when it creates the bill of material for a job or schedule. A particular assembly can be a phantom assembly on one bill and a subassembly on another.

physical inventory A periodic reconciliation of item counts with system on–hand quantities.

physical tags A tool for recording the on–hand quantity for a specific item in a specific location. A tag is most commonly a slip of paper posted at the item's location.

pick list A report that lists all component requirements sorted by supply type for a particular discrete job, repetitive schedule or production line.

picking rule A user–defined set of criteria to define the priorities Order Management uses when picking items out of finished goods inventory to ship to a customer. Picking rules are defined in Oracle Inventory.

planned purchase order A type of purchase order you issue before you order actual delivery of goods and services for specific dates and locations. You normally enter a planned purchase order to specify items you want to order and when you want delivery of the items. You later enter a shipment release against the planned purchase order when you actually want to order the items.

planning horizon The amount of time a master schedule extends into the future.

planning item A type of item representing a product family or demand channel whose bill of material contains a list of items and planning percentages.

postprocessing lead time The time required to receive a purchased item into inventory from the initial supplier receipt, such as the time required to deliver an order from the receiving dock to its final destination.

predefined serial number To define an alphanumeric prefix and a beginning

number for your serial numbers before you assign them to items. Predefined serial numbers are validated during receiving and shipping transactions.

preprocessing lead time The time required to place a purchase order or create a discrete job or repetitive schedule that you must add to purchasing or manufacturing lead time to determine total lead time. If you define this time for a repetitive item, the planning process ignores it.

primary unit of measure The stocking unit of measure for an item in a particular organization.

priority *See* **line priority**.

product A finished item that you sell. *See also* **finished good**.

project A unit of work broken down into one or more tasks, for which you specify revenue and billing methods, invoice formats, a managing organization, and project manager and bill rates schedules. You can charge costs to a project, as well as generate and maintain revenue, invoice, unbilled receivable and unearned revenue information for a project.

project inventory Any and all items and costs in both project subinventories and project work in process jobs.

project job A standard or non–standard WIP job with a project reference. The valuation accounts associated with this type of job will be project work in process. Any balance remaining in such a job when it is closed will be reported as a variance.

project locator A locator with a project or project and task reference. *See also* **common locator**.

project manufacturing The type of project that uses Projects with Manufacturing to track the costs of a manufacturing–related project against a project budget.

project subinventory A subinventory with a project reference into which terms can be delivered and out of which items can be issued and transferred.

project task A subdivision of Project Work. Each project can have a set of top level tasks and a hierarchy of subtasks below each top level task. You can charge costs to tasks at the lowest level only. *See also* **Work Breakdown Structure**.

pull transaction A material transaction that automatically issues component items into work in process from inventory when you move or complete the assembly. Also known as post–deduct or backflush**.** *See* **backflush transaction.**

purchase order A type of purchase order you issue when you request delivery of goods or services for specific dates and locations. You can order multiple items for each planned or standard purchase order. Each purchase order line can have multiple shipments and you can distribute each shipment across multiple accounts. *See* **standard purchase order** and **planned purchase order.**

purchase order encumbrance A transaction representing a legally binding purchase. Purchasing subtracts purchase order encumbrances from funds available when you approve a purchase order. If you cancel a purchase order, Purchasing creates appropriate reversing entries in your general ledger. Purchase order encumbrance is also known as obligation, encumbrance, or lien**.**

purchase order receipt *See* **receipt.**

purchase price variance The variance that you record at the time you receive an item in inventory or supplier services into work in process. This variance is the difference

between the standard unit cost for the item or service and the purchase unit price multiplied by the quantity received. You record purchase price variances in a purchase price variance account for your organization. Since standard cost is a planned cost, you may incur variances between the standard cost and the purchase order price.

purchased assembly An assembly that you normally buy.

purchased item An item that you buy and receive. If an item is also an inventory item, you may also be able to stock it. *See also* **inventory item**.

quantity on hand Current quantity of an item in inventory.

quantity variance tolerance A limit you define for the difference between the on–hand quantity and the actual cycle count quantity. You express positive and negative quantity variance tolerances as percentages of the on–hand quantity.

rate–based capacity Capacity planning at the production line level. Required capacity, available capacity, and capacity load ratio are calculated for individual production line**s**. Required and available capacity are stated in terms of production rate per line per week.

raw materials Purchased items or extracted materials that are converted by the manufacturing process into components and / or products.

receipt A shipment from one supplier that can include many items ordered on many purchase orders.

related item An acceptable substitute you define for an item so that you may receive the item if your supplier cannot ship the original item on the purchase order.

reorder point planning An inventory planning method used to determine when and how much to order based on customer service level, safety stock, carrying cost, order setup cost, lead time and average demand.

repetitive manufacturing A manufacturing environment where you build assemblies repetitively, on production lines, rather than in discrete jobs or batches.

repetitive schedule The process of dividing suggested aggregate repetitive schedules and allocating them across individual production lines, based on predefined line priorities and **production rates**.

reservation A guaranteed allotment of product to a specific sales order. A hold is placed on specific terms that assures that a certain quantity of an item is available on a certain date when transacted against a particular charge entity. Once reserved, the product cannot be allocated to another sales order or transferred in Inventory. Oracle Order Management checks ATR (Available to Reserve) to verify an attempted reservation. Also known as **hard reservation.**

resource Anything of value, except material and cash, required to manufacture, cost, and schedule products. Resources include people, tools, machines, labor purchased from a supplier, and physical space.

return material authorization (RMA) Permission for a customer to return items. Receivables allows you to authorize the return of your sales orders as well as sales made by other dealers or suppliers, as long as the items are part of your item master and price list.

return to supplier A transaction that allows you to return to the supplier items from a

fully or partially received purchase order and receive credit for them.

revised item Any item you change on an engineering change order. Revised items may be purchased items, subassemblies, finished goods.

revision A particular version of an item, bill of material, or routing.

revision control An inventory control option that tracks inventory by item revision and forces you to specify a revision for each material transaction.

route sheet A report that provides full routing, operation, resource, and material requirement details for jobs and repetitive schedules. Typically used to know how, when, where, and who builds an assembly. Also known as traveler.

routing A sequence of manufacturing operations that you perform to manufacture an assembly. A routing consists of an item, a series of operations, an operation sequence, and operation effective dates.

routing–based capacity Capacity planning at the resource level. Required capacity, available capacity, and capacity load ratio are calculated for individual resources assigned to operations on routings.. Required and available capacity are stated in terms of hours per resource per week.

safety stock Quantity of stock planned to have in inventory to protect against fluctuations in demand and/or supply.

Safety Stock (item attribute) An item attribute the planning process uses to decide whether to use fixed or dynamically calculated safety stock quantities when planning material requirements for the item. A value of **MRP–planned percent** means the planning process plans to safety stock quantities it calculates dynamically as a user–defined percentage of the average gross requirements for a user–defined number of days. The user–defined percentage is defined by the value you enter for the Safety Stock Percent attribute for the item. For discretely planned items, the user–defined number of days is defined by the value you enter for the Safety Stock Bucket Days attribute for the item. For repetitively planned items, the planning process uses the repetitive planning period rather than Safety Stock Bucket Days. These safety stock quantities are dynamic in that they vary as a function of the average gross requirements calculated by the planning process for the item. A value of **Non–MRP planned** means the planning process plans to safety stock quantities calculated and maintained in Inventory. These safety stock quantities are fixed in that the Snapshot loads them from Inventory before the planning process and they do not vary unless they are recalculated in Inventory.

seasonality Repetitive pattern from year to year with demand for some periods considerably higher than others.

serial number A number assigned to each unit of an item and used to track the item.

serial number control A manufacturing technique for enforcing use of serial numbers during a material transaction.

serialized unit The unique combination of a serial number and an inventory item.

service level Percentage of demand that can be filled immediately by available inventory. It is used to determine the amount of inventory to carry as safety stock.

service material Material used for the repair and/or maintenance of an assembled product.

set of books A financial reporting entity that partitions General Ledger information and uses a particular chart of accounts, functional currency, and accounting calendar. This concept is the same whether or not the Multi–organization support feature is implemented.

shelf life The amount of time an item may be held in inventory before it becomes unusable.

standard bill of material A bill of material for a standard item, such as a manufactured product or assembly.

standard costing A costing method where a predetermined standard cost is used for charging material, resource, overhead, period close, job close, and cost update transactions and valuing inventory. Any deviation in actual costs from the predetermined standard is recorded as a variance.

standard item Any item that can have a bill or be a component on a bill except planning items, option classes, or models. Standard items include purchased items, subassemblies, and finished products.

standard purchase order A type of purchase order you issue when you order delivery of goods or services for specific dates and locations for your company. Each standard purchase order line can have multiple shipments and you can distribute the quantity of each shipment across multiple accounts. *See* **purchase order.**

statistical forecasting A mathematical analysis of past transaction history, last forecast quantities, and / or information specified by the user to determine expected demand.

subinventory Subdivision of an organization, representing either a physical area or a logical grouping of items, such as a storeroom or receiving dock.

substitute item An item that can be used in place of a component. Master Scheduling / MRP suggests substitutes items on some reports.

supplier Provider of goods or services.

time fence A policy or guideline established to note where various restrictions or changes in operating procedures take place. The planning process cannot create or reschedule orders within the planning time fence. This gives the planner the ability to stabilize the plan and thereby minimizing the nervousness of the system.

transaction cost The cost per unit at which the transaction quantity is valued.

transaction interface An open interface table through which you can import transactions. *See* **open interface**.

transaction manager A concurrent program that controls your manufacturing transactions.

transaction quantity The quantity of a transaction.

transaction worker An independent concurrent process launched by a transaction manager to validate and process your manufacturing transactions.

traveler *See* **route sheet**.

two–level master scheduling A technique that facilitates the forecast explosion of product groupings into related master production schedules. The top–level MPS is usually defined for a product line, family or end product while the second–level is defined for key options and components.

unit of measure The unit that the quantity of an item is expressed.

unit of measure class A group of units of measure and their corresponding base unit of measure. The standard unit classes are Length, Weight, Volume, Area, Time, and Pack.

unit of measure conversions Numerical factors that enable you to perform transactions in units other than the primary unit of the item being transacted.

UOM *See* **unit of measure**.

use–up item A revised component whose MRP–planned order date and lead time offset determine the effective date of the revised item.

value added *See* **outside processing.**

variable lead time The time required to produce one additional unit of an assembly. To compute an item's total lead time multiply variable lead time by order quantity, and add an item's fixed lead time.

vendor *See* **supplier**.

warehouse *See* **organization**.

work in process An item in various phases of production in a manufacturing plant. This includes raw material awaiting processing up to final assemblies ready to be received into inventory.

workday calendar A calendar that identifies available workdays for one or more organizations. Master Scheduling / MRP, Inventory, Work in Process, and Capacity plan and schedule activities based on a calendar's available workdays.

workday exception set An entity that defines mutually exclusive sets of workday exceptions. For each organization, you can specify a workday calendar and exception set.

worker An independent concurrent process that executes specific tasks. Programs using workers to break large tasks into smaller ones must coordinate the actions of the workers.

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