

Oracle® Process Manufacturing

Using Oracle Order Management with Process Inventory

Release 11*i*

September 2001

Part No. A86733-02

Part No. A86733-02

Copyright © 2001, Oracle Corporation. All rights reserved.

Primary Authors: Gina Walsh

The Programs (which include both the software and documentation) contain proprietary information of Oracle Corporation; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs is prohibited.

Program Documentation is licensed for use solely to support the deployment of the Programs and not for any other purpose.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. Oracle Corporation does not warrant that this document is error free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Oracle Corporation.

If the Programs are delivered to the U.S. Government or anyone licensing or using the programs on behalf of the U.S. Government, the following notice is applicable:

Restricted Rights Notice Programs delivered subject to the DOD FAR Supplement are "commercial computer software" and use, duplication, and disclosure of the Programs, including documentation, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement. Otherwise, Programs delivered subject to the Federal Acquisition Regulations are "restricted computer software" and use, duplication, and disclosure of the Programs shall be subject to the restrictions in FAR 52.227-19, Commercial Computer Software - Restricted Rights (June, 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065.

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and Oracle Corporation disclaims liability for any damages caused by such use of the Programs.

Oracle is a registered trademark of Oracle Corporation. Other names may be trademarks of their respective owners.

Contents

Send Us Your Comments	vii
Preface.....	ix
1 Using Order Management with Process Inventory	
Using this Guide	1-2
Understanding Order Management with Process Inventory	1-3
Unique Attributes Tracked by Process Inventory Organizations	1-3
Order to Cash Flow with Order Management and Process Inventory.....	1-4
2 Process-Enabled Setup in Order Management	
Setting Up Process Inventory with Order Management.....	2-2
Setup Flowchart	2-2
Related Product Setup	2-6
Defining Document Type for Order Management Inventory Transactions	2-11
Setting the OM Integration Profile Option	2-12
Setting Up Customer Information.....	2-13
Defining Customer General Ledger Classes.....	2-13
Receivables Descriptive Flexfield Setup.....	2-14
Enter Customer Profile Classes and Customers	2-16
Defining Allocation Criteria.....	2-17
Enabling Pricing Flexfield for Grade.....	2-20
Account Mapping for Order Management Inventory Transactions	2-21
Activating Dual Quantities and Grade in Sales Orders.....	2-22

3 Sales Orders for Process Inventory

Understanding Sales Orders for Process Inventory	3-2
Process Inventory Fields	3-2
Reserving Process Inventory	3-4
Booking an Order	3-6

4 Transact Process Move Orders

Understanding Move Order Lines for Process Inventory	4-2
Allocating Process Move Order Lines	4-2
Pick Confirming Process Move Order Lines	4-2
Auto Detail and Auto Pick Confirm	4-2
Allocating Move Order Lines and Pick Confirming Process Order Lines	4-4
Finding Process Move Order Lines Procedure.....	4-4
Working with Process Move Order Lines Procedure.....	4-4
Manually Allocating Process Move Order Lines Procedure	4-5
Transact Process Orders Field Reference	4-6
Move Order Transactions Field Reference.....	4-8
Process Transactions Field Reference	4-12

5 Shipping Process Inventory

Understanding Process Features for Shipping in Order Management	5-2
Process-Enabled Fields on the Packing Workbench Window	5-3
Process-Enabled Fields on the Shipping Windows	5-5
Process-Enabled Fields on the Shipping Transaction Window	5-5
Process-Enabled Fields on the Line/Container Region	5-6
Process-Enabled Fields on the Line Window, Inventory Details Region.....	5-7
Process-Enabled Fields on the Line Window, Source Region.....	5-8

6 Reporting for Order Management with Process Inventory

Understanding Reports for Order Management with Process Inventory	6-2
List of Reports and their Associated Process-Enabled Fields	6-3
Manufacturing Accounting Controller Subledger Detail Report	6-5

A Appendix

OPM Inventory and OPM Financials Navigator Paths	A-2
Profile Option Related to Order Management with Process Inventory	A-3

Send Us Your Comments

**Oracle Process Manufacturing Using Oracle Order Management with Process Inventory,
Release 11i**

Part No. A86733-02

Oracle Corporation welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, please indicate the chapter, section, and page number (if available). You can send comments to us in the following ways:

- E-mail - john.fahy@oracle.com
- FAX - 914-773-8001. Attn: Oracle Process Manufacturing Documentation
- Postal service:
Oracle Corporation
Oracle Process Manufacturing Documentation
100 Summit Lake Drive
Valhalla, New York 10595
USA

If you would like a reply, please give your name, address, and telephone number below.

If you have problems with the software, please contact your local Oracle Support Services.

Preface

Welcome to Release 11i of the *Using Oracle Order Management with Process Inventory* User's Guide.

This user's guide includes information to help you effectively work with the Oracle Process Manufacturing (OPM) application and contains information about the following:

- Oracle Process Manufacturing overview and reference information
- Oracle Process Manufacturing functions and features
- Oracle Process Manufacturing programs, reports, and navigation paths
- How to navigate to Oracle Process Manufacturing windows

This preface explains how this user's guide is organized and introduces other sources of information that can help you.

About This **Using Order Management with Process Inventory User's Guide**

This guide contains overviews as well as task and reference information. It includes the following:

- Chapter 1 provides an introduction to using Order Management with Process Inventory.
- Chapter 2 explains setup procedures for using Order Management with Process Inventory.
- Chapter 3 explains how to create and book sales orders using process inventory, as well as reserving process inventory.
- Chapter 4 explains how to detail move order lines and perform pick confirm of detailed move order lines.
- Chapter 5 explains how to ship process inventory.
- Chapter 6 lists new process specific fields on existing Order Management reports.
- Appendix A describes how to navigate to each window and the profile options to set.
- A Glossary provides definitions of terms that are used in this guide.

Other Information Sources

You can choose from other sources of information, including online documentation, training, and support services, to increase your knowledge and understanding of Oracle Process Manufacturing.

If this user 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). 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 Documents

Oracle Process Manufacturing shares business and setup information with other Oracle products. You may find the following Oracle Applications user's guides useful:

- *Oracle Process Manufacturing Accounting Setup User's Guide*
- *Oracle Process Manufacturing Manufacturing Accounting Controller User's Guide*
- *Oracle Process Manufacturing Implementation Manual*
- *Oracle Process Manufacturing System Administration User's Guide*
- *Oracle Process Manufacturing Inventory Management User's Guide*
- *Oracle Process Manufacturing and Oracles Financials Integration User's Guide*
- *Oracle Inventory User's Guide*
- *Oracle Order Management User's Guide*
- *Oracle Pricing Users' Guide*
- *Oracle Receivables User's Guide*
- *Oracle Shipping Execution User's Guide*
- *Oracle Advanced Supply Chain Planning User's Guide*

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. 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.

Documentation Accessibility

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

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.

Thank You

Thank you for choosing Oracle Process Manufacturing and this user's guide.

We value your comments and feedback. At the beginning of this guide is a Reader's Comment Form that you can use to explain what you like or dislike about this user's 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 an electronic mail message to appsdoc@us.oracle.com

Using Order Management with Process Inventory

The *Using Order Management with Process Inventory* topic describes the basic concepts and features available when using Order Management with Process Inventory.

The following topics are discussed:

- Using this Guide
- Understanding Order Management with Process Inventory
- Unique Attributes Tracked by Process Inventory Organizations
- Order to Cash Flow with Order Management and Process Inventory

Note: Oracle Process Manufacturing will be referred to as OPM for the remainder of this guide.

Using this Guide

This guide is designed to supplement the user's guides listed in the *Preface* and describes the following:

- Setup procedures for the use of Order Management with OPM
- New procedures or options that are specific to Process Manufacturing Inventory that have been added to existing windows
- New windows added for the use of Order Management with Process Inventory, complete with field descriptions
- Topics that are unique to using Order Management for Process

Understanding Order Management with Process Inventory

This user's guide describes how to use Order Management Release 11i with Process Inventory. You can order, price, and ship items with unique process attributes—such as dual unit of measure and grade—using Oracle Order Management, Oracle Pricing, Oracle Shipping Execution and Process Inventory.

Through Order Management with Process Inventory you can order and ship Process Inventory items. Items are processed depending on their inventory organization. Process attributes are enabled depending on the inventory organization from which they are ordered.

Order Management accepts orders entered through Oracle Customer Relationship Management (CRM). The CRM suite of products is available to Process customers, through Order Management. In CRM, orders that originate from TeleSales, Sales Online, and iStore, can be booked in Order Management.

Unique Attributes Tracked by Process Inventory Organizations

Process inventory organizations track unique process attributes:

- Dual units of measure
- Reservation of inventory at a lot/sublot level for lots with the appropriate status
- Grade

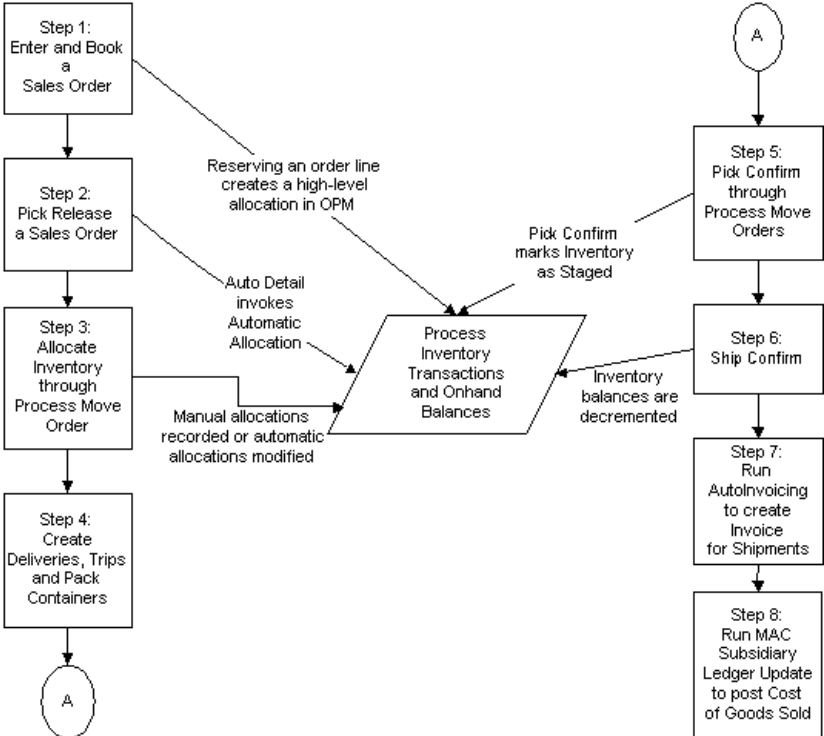
These attributes are tracked from order entry through shipping and update Process Inventory. See: *OPM Inventory Management User's Guide*.

Order to Cash Flow with Order Management and Process Inventory

Entering and managing orders is performed in Order Management. Shipping Execution allows you to plan and confirm your shipments. Inventory to satisfy your order requirements is allocated and picked in Process Inventory.

The following diagram illustrates the components of the Order Management for Process flow and is described in the following steps. Note that this is a sample flow and can be modified.

1. Sales orders are entered and booked through Order Management. Reserving the order creates a high-level allocation in Process Inventory.
2. Before an order can be picked and shipped, it must be pick released. The Pick Release process can invoke automatic inventory allocation and creates a process move order.
3. Process move orders allow you to manually assign available Process Inventory to a move order or pick from a list of available lots. Lines which have been automatically allocated may be viewed and edited. Once an order line is allocated (detailed), it is pick confirmed.
4. Deliveries and trips are created in Shipping Execution. Containers can also be used.
5. Once you have verified the allocation of inventory to an order, it needs to be Pick Confirmed. This step can be automated or done through the process move orders form in Process Inventory. After the pick confirm, allocated inventory is marked as staged.
6. Ship confirm is the final process in Shipping Execution which records the actual shipped amounts and creates backorders, if necessary. At the completion of ship confirm, onhand inventory is decremented for the shipped quantity.
7. AutoInvoicing allows billing of confirmed shipments. This process can be setup to run automatically upon shipment of an order or be invoked manually. Invoicing and cash receipt are handled within Oracle Receivables.
8. The final step in the process is the running of the subsidiary ledger update to create the entries for Inventory and Cost of Goods Sold.



Process-Enabled Setup in Order Management

Setup requirements for process-enabled inventory organizations (warehouses) are performed primarily in OPM Inventory Management and Order Management applications. The *Process-Enabled Setup in Order Management* topic details the setup and gives a recommended order to perform these steps. It includes:

- Setting Up Process Inventory with Order Management
- Related Product Setup

Setup that is specific to using Order Management and Shipping Execution with Process Inventory is detailed in the *Process-Enabled Setup in Order Management* topic. The critical steps unique to implementing OPM with Order Management and Shipping Execution are:

- Establishing Process-Enabled Inventory Organizations
- Defining the Document Type for Order Management Inventory Transactions
- Setting Up Customers with the OPM GL Class Descriptive Flexfield
- Enabling the Pricing Flexfield for Grade
- Defining the mapping for the GL accounts to post inventory and Cost of Goods Sold
- Activating dual quantities and grade on the Sales Order

Setting Up Process Inventory with Order Management

Most of the steps in the *Setup Flowchart* and *Setup Checklist* topics are required. Within each step, there may be steps that are optional. Most of these optional setups are detailed in the related products user's guides. You need to complete the optional steps only if you plan to use the related feature.

Setup Flowchart

The following *Setup Flowchart* shows 11 steps for setting up to use Order Management with Process Inventory. The steps are defined as follows:

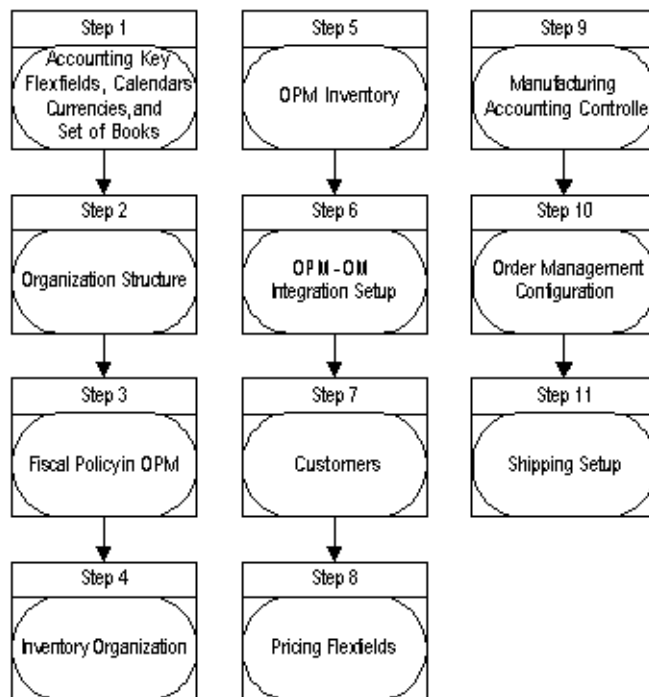
Setup Checklist

The following table lists the steps and corresponding user's guides that contain the details for each step.

Step Number	Required	Step	User's Guide Reference
1	Required	Set up accounting key flexfields, calendars, currencies, set of books.	<i>OPM Implementation Guide</i>
2	Required	Organization structure <ul style="list-style-type: none"> ▪ Define HR organizations ▪ Define HR locations ▪ Define OPM Organizations 	<i>OPM System Administration User's Guide</i>
3	Required	Define fiscal policy in OPM	<i>OPM Manufacturing Accounting Controller User's Guide</i>
4	Required	Set up inventory organizations <ul style="list-style-type: none"> ▪ Define inventory organizations ▪ Designate inventory organizations as process-enabled through inventory parameters ▪ Define stock locators ▪ Edit additional information for OPM warehouse 	<i>OPM Inventory Management User's Guide</i>

Step Number	Required	Step	User's Guide Reference
5	Required	Set up OPM Inventory <ul style="list-style-type: none"> ▪ Units of measure ▪ Inventory calendar ▪ Lot status ▪ Items 	<i>OPM Inventory Management User's Guide</i>
6	Required	Set up OPM-OM Integration <ul style="list-style-type: none"> ▪ Define document type for Order Management inventory transactions ▪ Set profile in OPM 	<i>Using Order Management with Process Inventory</i>
7	Required	Define customers <ul style="list-style-type: none"> ▪ Define customer GL class in OPM ▪ Define customer profile classes and customers in Oracle Receivables ▪ Define allocation criteria for orders in OPM (optional) 	<i>Oracle Receivables User's Guide</i> <i>Using Order Management with Process Inventory</i>
8	Optional (if using pricing by grade)	Enable pricing flexfield for grade	<i>Using Order Management with Process Inventory</i>
9	Required	Set up OPM Manufacturing Accounting Controller <ul style="list-style-type: none"> ▪ Define accounting unit mapping ▪ Define account mapping 	<i>Using Order Management with Process Inventory</i> <i>OPM Manufacturing Accounting Controller User's Guide</i>

Step Number	Required	Step	User's Guide Reference
10	Required (some steps within Set up Order Management are optional)	<p>Set up Order Management</p> <ul style="list-style-type: none"> ▪ Establish parameters and profile options ▪ Set up invoicing ▪ Set up sales persons, tax, quick codes ▪ Set up work flow, document sequences, and order import sources ▪ Set up pricing ▪ Set up transaction types ▪ Set up freight and other charges ▪ Establish processing constraints, defaulting rules, holds, credit checking, and attachments 	<i>Oracle Order Management User's Guide</i>
11	Required (some steps within Set Up Shipping Execution are optional)	<p>Set up Shipping Execution</p> <ul style="list-style-type: none"> ▪ Define shipping lookups ▪ Define shipping parameters ▪ Define freight set up ▪ Define documents and printers ▪ Define pick slip grouping rules ▪ Define release rules and release sequence rules ▪ Define transportation calendars ▪ Define container item relationships 	<i>Oracle Shipping Execution User's Guide</i>



Note: Only Step 8, Pricing Flexfields, is optional.

Related Product Setup

Step 1: Set up Accounting Key Flexfields, Calendars, Currencies, Set of Books

Prerequisites to this step are contained in the *AOL System Administration* topic in the *OPM Implementation Guide*. It discusses how to set up users for Oracle Applications and assign the corresponding responsibilities.

This step involves the tasks that follow the initial setup for Oracle Applications and includes defining a Set of Books and related information. Some of the setup is specific to an OPM implementation so you will need to refer initially to the *Getting Started*, *System Administrator Setup*, and *Set of Books Setup* topics in the *OPM Implementation Guide* and to the *Oracle General Ledger User's Guide*.

Step 2: Define Organization Structure

Define organizations and their locations, such as legal entities and operating units, which are used globally throughout Oracle Applications. In OPM, additional organizations are defined which are recognized throughout OPM. See: *Editing HR Organizations*, *Editing HR Locations*, and *Editing Organizations* in *OPM System Administration User's Guide*.

Step 3: Define Fiscal Policy in OPM

The fiscal policy links the highest level organization in OPM, called a company, to an operating unit used throughout Oracle Applications. Additional information is required to define a fiscal policy. See: *Defining Fiscal Policies* in *OPM Manufacturing Accounting Controller User's Guide*.

Step 4: Set Up Inventory Organizations

The designation of an inventory organization as process-enabled is recognized in Order Management to allow entry of additional information for items under this type of inventory organization. This additional information may include secondary quantity and grade.

Define inventory organizations, inventory organization parameters, stock locators, and additional OPM warehouse information. See: *Organizations*, *Setting Up Warehouses*, and *Setting Up Locations* in *OPM Inventory Management User's Guide*.

Step 5: Set Up OPM Inventory

After inventory organizations are properly established, the rest of OPM Inventory can be set up. This involves defining units of measure, establishing inventory

calendars, defining lot status codes, and entering inventory items and their required information. Beginning balances for OPM Inventory may also be entered. See: *OPM Inventory Management User's Guide*.

Step 6: Set Up for the OPM-OM Integration

Define Document Type for Order Management Inventory Transactions

Within OPM System Administration, document type OMSO is used to identify inventory transactions which originate from Order Management. This document type must be set up for every OPM organization which owns OPM warehouses. The document type must be set up for manual numbering. See: *Defining Document Type for Order Management Inventory Transactions* in this guide.

Set the Order Management Profile Option

The OPM GML: OM Integration profile option controls certain functionality when using OPM with Order Management. Set this profile option to Yes to continue with the proper setup and enter transactions which are recognized from Order Management. See: *Setting the OM Integration Profile Option* in this guide.

Step 7: Define Customers

This step involves the following tasks, some of which are standard in the setup of customers, and several of which are specific to setting up customers for use with OPM:

- Define Customer GL Classes in OPM. See *Setting Up Customer Information* in this guide.
- Set up a Descriptive Flexfield in Oracle Receivables for entry of the OPM Customer GL Class. See: *Setting Up Customer Information* in this guide.
- Define Customers in Oracle Receivables. See: *Oracle Receivables User's Guide*.
- Define Allocation Criteria for Orders (optional). See: *Defining Allocation Criteria* in this guide.

Step 8: Activate Pricing Flexfield for Grade

A pricing attribute flexfield is included in the Pricing application, but needs to be activated in order to be used in setting up price lists. This step is optional and may be skipped if you do not plan on setting up price lists based on OPM grades. See: *Enabling Pricing Flexfield for Grade* in this guide.

Step 9: Set Up OPM Manufacturing Accounting Controller

The OPM Manufacturing Accounting Controller is used in conjunction with Order Management to record cost of goods sold for sales orders for process-enabled inventory organizations. The cost of goods sold entry is written directly to the Oracle General Ledger using the setup and processing in the OPM Manufacturing Accounting Controller. See: *OPM Manufacturing Accounting Controller User's Guide*.

The event for recording cost of goods sold (and Inventory) is the OMSO event, which requires account mapping the accounts used in the entry. See: *Account Mapping for Order Management Inventory Transactions* in this guide.

Step 10: Set Up Order Management

The steps within Order Management include both the required and optional tasks. See: *Oracle Order Management User's Guide*.

- Defining Flexfields for Order Management and Shipping transactions
- Setting Up Profile Options for Order Management and Shipping
- Enabling Parameters
- Defining Invoicing information
- Defining Sales Representatives
- Defining Tax Features
- Defining Quick Codes
- Defining order and line processing flows
- Defining document sequences for numbering orders
- Defining sources for importing orders
- Defining item cross-references
- Defining sourcing rules
- Defining Transaction Types
- Defining Processing Constraints
- Defining Defaulting Rules
- Defining credit checking rules
- Defining automatic holds
- Defining attachments for orders

- Defining freight charges and freight carriers
- Defining Price Lists and additional Pricing information

The steps within Order Management that are substituted by instructions in this guide, include:

- Defining multiple organizations
- Defining Inventory Organizations
- Defining units of measure (done in OPM System Administration)
- Defining item information (done in OPM Inventory)
- Defining configurations - this is not currently supported through OPM
- Defining customer profile classes and customers - there are some additional setup steps with the normal customer setup for OPM
- Setting up Cost of Goods Sold Accounting flexfield - this may be set up for the Inventory Organization, but will not be used by OPM to record Cost of Goods Sold

The final step for using Order Management with OPM is:

- Create a folder with the process-related fields displayed. See: *Activating Dual Quantities and Grade in the Sales Orders* in this guide.

Step 11: Set Up Shipping Execution

The Shipping Execution steps both required and optional which may be completed include:

- Defining Lookups
- Defining Shipping Parameters
- Defining Freight Setup
- Defining Documents and Document Printers
- Defining Pick Slip Grouping Rules
- Defining Release Rules and Release Sequence Rules
- Defining Transportation Calendars
- Defining Shipping Exceptions
- Defining Container-Item Relationships

See: Oracle Shipping Execution User's Guide.

Defining Document Type for Order Management Inventory Transactions

The document type OMSO is used to designate Process Inventory transactions which originate from Order Management. These transactions are recorded when a sales order line is reserved, allocated, and then shipped. Set up this predefined document type for every organization in OPM that owns OPM warehouses. Refer to *Editing Document Ordering* in the *OPM System Administration User's Guide*, for the following:

- In the Document Ordering window, enter the Document Type OMSO and then the OPM organization code for which this document ordering will apply.
- Select only manual document numbering; automatic numbering is not allowed for this document type. Automatic numbering for sales orders is setup in Order Management.

When inventory transactions are viewed in OPM, you see the document type of OMSO for the transactions that originated from an Order Management sales order.

Setting the OM Integration Profile Option

The OPM GML: OM Integration profile option controls certain functionality when using OPM with Order Management. Set this profile option to Yes to continue with the proper setup and enter transactions which are recognized from Order Management. This profile option is accessed under Oracle Applications System Administration and is set at the Site level. It controls functionality for:

- Setting up sales order and shipping allocation rules in OPM
- Setting up account mapping in OPM Manufacturing Accounting Controller
- Running the subsidiary ledger update process in OPM Manufacturing Accounting Controller

Setting Up Customer Information

The *Defining Customer General Ledger Classes*, *Receivables Descriptive Flexfield Setup*, and *Enter Customer Profile Classes and Customers* topics provide the customer information to set up.

Defining Customer General Ledger Classes

Customer General Ledger (GL) classes are used to group customers for the OPM Manufacturing Accounting Controller application. Customer GL classes can be used to map accounts for general ledger transactions. In the case of Order Management with OPM, the GL class can be used to map cost of goods sold and inventory accounts.

The customer GL class is assigned to the customer in Oracle Receivables through the descriptive flexfield described in the *Receivables Descriptive Flexfield Setup* topic.

Defining Customer General Ledger Classes Procedure

To enter customer general ledger classes:

1. Navigate to the **Customer General Ledger Classes** window in the OPM Manufacturing Accounting Controller application.
2. Complete the fields as described.
3. Save the window.

Customer General Ledger Class Field Reference

Class

Enter a customer general ledger class. A customer general ledger class is a category of customers with the same account mapping requirements. Required.

Description

Enter the description for the customer general ledger class. Required.

Receivables Descriptive Flexfield Setup

A descriptive flexfield must be set up on the customer for entry of the customer GL class for OPM. To complete this, perform the following steps. See: *Oracle Applications Flexfield User's Guide*.

Establish a value set for the descriptive flexfield as follows:

Field Name	Value
Value Set Name	opm_custgl_class
Description	OPM Customer GL Class
Format Type	Char
Maximum Size	8
Uppercase Only (A-Z)	Yes
Validation Type	Table
Edit Information	(this cell intentionally left blank)
Table Application	Oracle Receivables
Table Name	op_cgld_cls
Allow Parent Values	No
Table Columns Value	custgl_class
Type	Varchar2
Size	8
Table Columns Meaning	custgl_class_desc
Type	Varchar2
Size	70
Where/Order by	(blank)
Additional columns	(blank)

Within the Flexfield window for descriptive flexfields, add the customer GL class to the Customer Information window.

Query on Title as Customer Information

Field Names	Value
Title	Customer Information
Application	Oracle Receivables
Freeze Flexfield Def	No
Prompt	Context Value
Value Req	No
Default Value	(blank)
Override Allowed	No
Reference	(blank)

Click **Segments** and **Open** and add the following record:

Field Name	Value
Name	Cust GL Class
Description	Customer GL Class
Enable	Yes
Column	ATTRIBUTE1
Number	1
Display	Yes
Value Set	opm_custgl_class
Default Type	(blank)
Required	No
Range	(blank)

Enter Customer Profile Classes and Customers

Customer profile classes and customers are entered in either Oracle Receivables or through an Order Management responsibility. If a customer GL class is used to map accounts in OPM, then enter this information on the customer record. See: *Oracle Receivables User's Guide* for details on how to set up customer profile classes and customers.

Defining Allocation Criteria

Allocation rules are defined to indicate preferences such as partial allocation of the order quantity and the number of lots which can be allocated to fulfill the order. Additional information such as the allocation horizon and number of shelf days are defined to control when inventory is allocated to an order. Allocation rules are in effect for all customers or can be restricted to one customer.

Use the Allocation Criteria window to automatically allocate Process Inventory to an order line during a pick release. In the Pick Release window, you can select Auto Detail. When Auto Detail is selected, automatic inventory allocation will proceed using the rules (criteria) established in this window.

Inventory Setup Required to Define Sales Order Allocation Criteria

Before OPM can allocate lot-controlled items to sales orders or shipments, you must first group items into allocation classes in the OPM Inventory Management application. The item allocation classes are used to define sales order allocation.

- Define allocation class codes on the Allocation Class window in OPM Inventory Management Setup.
- Assign allocation class codes to items in the Items window to make the allocation parameters become effective for that item.

See: *OPM Inventory Management User's Guide* for detailed information about the Allocation Class and Items windows.

Defining Sales Order Allocation Criteria Procedure

To define sales order allocation criteria, begin with allocation classes defined in the setup of the OPM Inventory Management application. Then proceed as follows:

1. Navigate to the **Order Entry/Shipping Rules Allocation Criteria** window in the OPM Inventory application.
2. Complete the fields as described.
3. Save the window.
4. Assign allocation classes to items on the OPM Inventory Management Items window.

Allocation Criteria Field Reference

Allocation Class

Enter the allocation class code from the Allocation Class window in Inventory Management that identifies the appropriate customer order/shipment allocation parameters.

Customer Number

Enter the customer number to define allocation rules. Leave this field blank if the allocation rules do not apply to a customer.

Customer

Enter the customer name to restrict the allocation rules to a specific customer. Leave the Customer field blank if the allocation rules will not be restricted. The customer may be entered using either the customer number or customer field.

Ship To

Enter a ship to location defined for the customer to restrict the allocation rules to a specific customer ship to location. Leave this field blank if the allocation rules apply to all ship to's for a customer. Allocation rules for customers can be defined at either the ship to or customer level.

Allocation Parameters

Method

Select the automatic method used to allocate lots of inventory for orders:

- First In First Out (FIFO) uses the lot creation date to determine which lot to select first.
- First Expired First Out (FEFO) uses the lot expiration date to determine which lot to select first.

Type

- This field is not currently used.

Shelf Days

Enter the number of days required between the scheduled ship date and the lot expiration date. The shelf days provide a buffer so that ordered goods do not expire

before the customer receives them. Lots that expire within this buffer range will not be allocated for shipment for sales orders. For example, if you enter 14 days, lots that will expire within 14 days of the ship date are not allocated. The default is 0 days, which means that no shelf life consideration applies.

Horizon (Days)

Specify the number of days into the future that inventory can be allocated. Goods for shipment of an order are not allocated past this number of days. The horizon is calculated as the difference between the current date and the scheduled ship date.

For example, if you enter 7 days, goods in the specified allocation class will not be scheduled to ship more than 7 days in the future. The default is 0.

Lot Selection

Select one of the following lot selection options:

- Single Lot restricts allocation of inventory to a single lot to fill the customer order.
- Multiple lots does not restrict the number of lots that can be used to fill an order. Default.

Partial Allocation

Select a partial allocation option:

- Allowed means that a partial order line item allocation is permitted when insufficient inventory exists to fill the order completely. For example, if an order is for 100 and 80 are available, then 80 are allocated and the remaining 20 are backordered during the shipping cycle.
- Not allowed means partial allocations are not permitted. For example, if an order is for 100 and 80 are available, none of the ordered quantity is allocated. Default.

Preferred Grade

Enter the grade that the customer prefers if the allocation class is for items that are controlled by grades. If you do not specify a preferred grade, any grade is used to fill the customers orders.

Enabling Pricing Flexfield for Grade

A pricing attribute for OPM grade is predefined as a pricing attribute flexfield segment. To establish pricing by grade, this segment must be enabled through the Descriptive Flexfields window.

1. Navigate to the Flexfields window and query on the flexfield for the Application Oracle Pricing and the flexfield pricing attributes.
2. Clear the Freeze Flexfield checkbox.
3. Select the line for the pricing attributes context and click **Segments**. You will see a list of pricing attribute segments, one of which is OPM Grade.
4. Select **Enable** and **Display**.
5. Save the window.
6. Recompile the flexfield.

See: *Oracle Applications Flexfields Guide*.

The Grade flexfield in the LOV for pricing attributes during the setup of price lists or modifiers is displayed. Refer to the discussion of Pricing in the *Oracle Order Management User's Guide* or the *Oracle Pricing User's Guide*.

Account Mapping for Order Management Inventory Transactions

In OPM Manufacturing Accounting Controller (MAC), financial transactions are assigned to accounting events and their corresponding accounts. The Account Mapping window in MAC allows you to use information from the transaction to determine the appropriate account.

Only one entry for Order Management transactions is booked from OPM to record the shipment of inventory and the cost of goods sold. The event and subevent in MAC that correspond to this entry are OMSO and OMSP.

Two accounts correspond to this event-subevent and require mapping setup. The accounts are:

INV - Inventory

PCO - Product Cost

When a shipment is confirmed in Shipping Execution and the subsidiary ledger update is run, a debit to the product cost account (cost of goods sold) and credit to inventory is recorded. The accounts for this entry are determined using the OPM MAC Account Mapping setup.

See: *MAC Setup* in the *OPM Manufacturing Accounting Controller User's Guide* for details on how to map the accounts.

Activating Dual Quantities and Grade in Sales Orders

To enter and view secondary quantity, secondary unit of measure, and grade for an order line, create a folder and unhide these fields. These fields are located in all the Sales Orders Line Items regions. It is recommended that they are displayed in the Main region. You may also want to unhide the Warehouse field in the Main Information region. The value in the Warehouse field determines if the additional fields of secondary quantity and grade are editable by the user and computed by the system.

See: *Oracle Applications User's Guide* for information on how to create and modify folders.

Sales Orders for Process Inventory

Use the Order Management's Sales Orders window, to enter sales orders for process inventory. If an item is stored in a warehouse that is process-enabled and the control level is set (the item is dual unit of measure controlled), then the secondary quantity, secondary units of measure, and grade fields are enabled. Once a sales order is complete, you can reserve process inventory and book the order.

The following topics are discussed:

- Understanding Sales Orders for Process Inventory
- Reserving Process Inventory
- Booking an Order

Understanding Sales Orders for Process Inventory

Through the Sales Orders window in Order Management, you enter orders and returns. The Sales Orders window is enhanced to accommodate process inventory functionality. The following process inventory fields allow you to enter order lines with dual quantities and a preferred grade:

- Secondary Quantity
- Secondary UOM
- Grade

The process inventory fields are displayed when you select a folder on Sales Order Line Items that is setup for process features. See *Activating Dual Quantities and Grade in Sales Orders* for information on creating this folder.

Prerequisites

- To enter process-enabled features, set up a folder to display process specific fields.
- If the item is stored in a warehouse that is process-enabled, the Secondary Quantity, Secondary UOM, and Grade fields are enabled.

Process Inventory Fields

All the Sales Orders Line Items regions contain process inventory fields - Secondary Quantity, Secondary UOM, and Grade. It is recommended that they are displayed in the Main region. You can view the Warehouse field by unhiding it in your process folder. By unhiding the Warehouse field, you can select a process ship from warehouse as you enter an item and quantity.

Process Inventory fields are enabled when you select an item which is stored in a process-enabled warehouse and the item is set for dual unit of measure controlled. If the item is single UOM and non-grade controlled, then the fields remain disabled regardless of whether the warehouse is process. Whether the fields can be entered is dependent upon:

- the dual unit of measure setting for the item in OPM. You are able to enter a secondary quantity based on the dual control setting for the item.
- if the item is grade controlled. If the item is defined as grade controlled, then a grade can be specified when the item is entered on a sales order line.

Secondary Quantity

The Secondary Quantity field displays the secondary quantity for the ordered item. This field is applicable depending on the dual control setting for the item. You have four options for flagging an item for dual control on the Items window using Dual Control in the Unit of Measure panel - non-dual, fixed, default, and no default. See: *OPM Inventory Management User's Guide* for detailed information on the dual control setting.

Secondary UOM

The Secondary UOM field displays the unit of measure for the secondary quantity for the ordered item.

Grade

Grade is used to determine which grade specification is preferred for the ordered item. The preferred grade defaults from OPM Allocation Rules, if they have been established for this item's allocation class. See: *Defining Allocation Criteria* in this guide. If a grade is not entered, then any grade is used when allocating inventory for the order line.

The preferred grade on an order line is enforced for automatic allocation of an item. Only lots with the preferred grade are picked during automatic inventory allocation. If an order line is manually allocated, then the preferred grade is a suggestion and any available lot can be allocated.

Warehouse

The Warehouse field (although not a process-specific field) can be viewed in the Sales Orders Line Items Main Information region by un hiding the field within this folder. If the warehouse is process-enabled and the ordered item exists in that warehouse, then it is possible to enter the Secondary Quantity for the item (if the item is a dual control item). If the warehouse is not process-enabled, then the process fields are disabled.

Reserving Process Inventory

You can allocate available inventory from Process Inventory to a sales order in Order Management. In Order Management, the equivalent of an allocation is a reservation of inventory. In Process Inventory, allocations are classified as soft reservations. This allows you to override previously reserved inventory for sales orders that have a higher priority.

Allocations are performed in two steps for Process Inventory:

- A high-level allocation is made when a sales order line is reserved.

Scheduling Actions	Description	Result
Schedule	Schedule a reservation.	A line is scheduled. The schedule time is displayed on the line.
Unschedule	Remove the scheduled date for a reservation.	The scheduled time for the line is removed.
Reserve	Reserve the quantity for the order line.	High-level allocation is created for the order line in OPM Inventory.
Unreserve	Remove the reservation for the order line.	The reserve status is removed from the line.
Scheduling Results	Displays the scheduling results of the order line.	Displays the scheduling results of the order line.

- A detailed-level allocation is made in one of two ways:
 - The sales order is pick released, a move order is automatically created, and specific lots are manually allocated against the move order (detailed).
 - The sales order is pick released and Auto Detail is selected. OPM automatic inventory allocation is invoked and creates the detail-level allocation during pick release.

Reservations with process features have the following rules:

- Allocating inventory uses the Process Inventory allocation logic including lot, subplot, grade, and lot status.
- Inventory allocation rules are configured and administered within OPM.

Note: You can reserve partial quantities for an order line by entering the quantity in the Reserved field.

Prerequisites

- Set up allocation classes. See: *OPM Inventory Management User's Guide*.
- Set up allocation for all or individual allocation classes and customer criteria (rules). See: *Defining Allocation Criteria* in this guide.

Booking an Order

After a sales order is created and saved, book the order before performing shipping functions. See: *Oracle Order Management User's Guide*.

Transact Process Move Orders

In OPM Inventory, process move orders provide the mechanism for allocating specific lots and sublots to released sales order lines. Through a process move order, you can create detailed level allocations and confirm that the requested inventory was correctly picked.

The following topics are discussed:

- Understanding Move Order Lines for Process Inventory
- Allocating Move Order Lines
- Pick Confirming Process Order Lines

Understanding Move Order Lines for Process Inventory

Move orders are created as a result of the pick release of sales order lines. For process inventory, the move order represents a change in status but it is not an actual inventory move and does not change on-hand balances in OPM Inventory. The *Allocating Process Move Order Lines* and *Pick Confirming Process Move Order Lines* topics explain:

- how detail reservations are created for process move orders.
- how process move orders are manually processed.

Move orders can also be automatically processed. The *Auto Detail and Auto Pick Confirm* topic explains how automatic allocations are determined for order lines that are set up for Auto Detail. Auto Pick confirm allows you to automatically confirm the picking of inventory.

Allocating Process Move Order Lines

When a sales order line for a process warehouse is pick released, a process move order is automatically created. The process move order is used to allocate or detail the order line. You can allocate a move order line in several ways:

- Select Auto Allocate for one or more lines. Auto allocate selects available inventory using allocation rules established for the item's allocation class. See: *Defining Allocation Rules* in this guide.
- Select Manual Allocate and enter available lots and quantities.
- Select Manual Allocate and pick from a list of available lots/sublots.

Pick Confirming Process Move Order Lines

After detailing, pick confirm the move order line by clicking Transact. After pick confirmation, the inventory is marked as staged and the allocation can not be altered. Order lines need to be detailed prior to pick confirm.

Auto Detail and Auto Pick Confirm

Auto Detailing and Auto Pick confirmation can be selected at pick release. It is based on the Auto Detail and Auto Pick Confirm indicators in the Pick Release window. If you select Yes for Auto Detail, the system selects the lots/sublots based on allocation rules defined for the allocation class defined for the item.

If you select Yes for Auto Pick Confirm, the system automatically confirms the detailed move order lines.

Allocating Move Order Lines and Pick Confirming Process Order Lines

Use the Transact Process Orders window in OPM Inventory to allocate (detail) move order lines and pick confirm the move order lines.

Prerequisites

- Pick release sales order lines. See *Oracle Shipping Execution User's Guide*.
- Note the batch number generated from the pick release. See *Oracle Shipping Execution User's Guide*.

Finding Process Move Order Lines Procedure

To find process move order lines:

1. Navigate to **Transact Process Move Orders** in OPM Inventory.
2. If this is the first time you are navigating to this window, select a Warehouse code from the **Organization** box. Move orders are processed for one warehouse at a time. Once the warehouse is selected, find and detail a move order:
3. On the **Find Process Orders Lines** window, enter criteria to select move order lines to allocate:
 - The **Numbers** tab accepts a batch number or range of batch numbers (the batch number for the move order was assigned during pick release).
 - The **Lines** tab accepts an item number or range of required delivery dates.
 - The **Source** tab accepts a subinventory or location. The **Lot Number** and **Destination Account** fields are not currently supported.
 - The **Allocation** tab accepts a range of sales order numbers or a pick slip number.
4. Click **Find** to navigate to the **Transact Process Orders** window.
5. Click **Clear** to clear the window and reenter the criteria.

Working with Process Move Order Lines Procedure

To automatically allocate or manually allocate available inventory, view the details of an existing allocation, or print a pick slip:

1. Navigate to the **Transact Process Orders** window from the **Find Process Orders Lines** window. You see the order lines that fit the criteria entered.

2. Select **Auto Allocate** or **Manual Allocate** from the **Actions** menu and click **Go** to allocate (detail) one or more lines.
 - **Auto Allocate** uses the allocation rules established for an item's allocation class and optionally, a customer, to automatically select available inventory to fulfill the requested quantity. It operates on one or more lines.
 - **Manual Allocate** displays the **Move Order Transactions** window to allow manual selection of available inventory. It allows allocation of one line at a time.
3. Select **View Details** and **Go** to view your existing allocations.
4. Print a Pick Slip by selecting the line and choosing **Print Pick Slip** and **Go**.
5. Click **Transact** to pick confirm one or more move order lines. Transact operates on any move order lines which have the select indicator activated. Once a line is Pick Confirmed (transacted), the allocation can not be altered and this move order line is no longer available for editing.

Manually Allocating Process Move Order Lines Procedure

To manually allocate process move order lines:

1. **Manual Allocate** displays the **Move Order Transactions** window to allow manual selection of available inventory. You have two ways in which to manually select the inventory in the Lot/Sublot Details region:
 - The **Available Inventory** tab displays the available lots/sublots, locations, and available quantity. Enter the quantity desired from any lot/location in the **Primary Allocated Qty** field. Use this tab to allocate against available inventory.
 - The **Allocation** tab allows entry of lots, sublots, locations, and desired quantity. Use the List of Values for Location, Lot and Sublot fields to assist in entering this information. The Allocation tab is used to allocate onhand inventory and does not take into consideration any commitments against it.
2. Allocated quantities are tallied at the top of the screen for comparison to the requested quantity.
3. Click **Accept** to save your lot selections. The **Transact Process Orders** window is displayed.
4. Click **Cancel** if you do not want to save your lot selections.

Transact Process Orders Field Reference

The fields on this window are:

Select

Select the process order line for allocation or other processing options. You can select several lines for the Auto Allocate and View Details actions. Only one line can be selected for Manual Allocate. Transact can be performed on multiple lines.

Detailed

This field is blank before the line is allocated. One of the following inventory statuses is displayed:

- None - Inventory is not allocated to the sales order line. The auto allocation process is unable to allocate sufficient inventory.
- Single - Inventory is allocated fully to the order line and has been picked from a single lot or subplot.
- Multiple - Inventory is allocated fully to the order line and has been picked from multiple lots or sublots.

Number

Displays the batch number of the delivery line. A batch number is assigned to the line at pick release.

Type

If Pick Wave is displayed, the move order line has been picked.

Line

Displays move order line number.

Item

Displays the item number for the move order line.

Source Subinv

This field is not currently used.

Source Locator

This field is not currently used.

Destination Subinv

A subinventory is created with the same code as the inventory organization for warehouse.

Destination Locator

This field is not currently used.

UOM

Displays the primary unit of measure for the item.

Transaction Qty

Displays the quantity picked for the move order line.

Requested Qty

Displays the quantity based on the primary unit of measure that is requested from the pick release of the sales order line.

Delivered Qty

Displays the quantity delivered or shipped for the move order line.

Sourced Qty

Displays the quantity allocated for the move order line.

Grade

Displays the grade for the order line, if previously entered on the sales order line.

UOM2

Displays the secondary unit of measure for the item.

Requested Qty 2

Displays the requested quantity based on the secondary unit of measure.

Delivered Qty 2

Displays the delivered quantity based on the secondary unit of measure.

Sourced Qty 2

Displays the sourced quantity based on the secondary unit of measure.

Date Required

Displays date required as entered on the sales order line.

Reference

This field is not currently used.

Reference Number

This field is not currently used.

Reference Type

This field is not currently used.

Line Status

Displays the status of the move order line: Incomplete, Preapproved, Approved, Rejected, Cancelled, or Close. Preapproved, Approved, and Rejected are applicable only if an approval process was implemented. See: *Oracle Order Management User's Guide*.

Status Date

Displays the date the status was last updated.

Created By

Displays the creator's name of the move order.

To Location

This field is not currently used.

Move Order Transactions Field Reference

The fields on this window are:

Item Number

Displays the item number and description of the item for the selected delivery line.

Primary Requested Qty

Displays the requested quantity from the pick release in the primary unit of measure.

Primary Staged Qty

Displays the quantity pick confirmed in the primary unit of measure.

Primary Allocated Qty

Displays the quantity entered for allocation in the primary unit of measure.

Secondary Requested Qty

Displays the requested quantity from the pick release in the secondary unit of measure.

Secondary Staged Qty

Displays the quantity pick confirmed in the secondary unit of measure.

Secondary Allocated Qty

Displays the quantity entered for allocation in the secondary unit of measure.

Lot/Sublot Details Allocation

Transaction Date

Displays the date of the move order transaction.

Location

Enter the warehouse location from which inventory is being picked. This is required if the item is location controlled.

Lot Number

Enter the lot number from which the inventory is to be picked. This is required if the item is lot controlled.

Sublot Number

If applicable, enter the subplot number from which the inventory is to be picked.

Lot Status

Displays the status of the lot as defined in OPM Inventory. See: *OPM Inventory Management User's Guide*.

Grade

Displays the grade of the item to be picked, if applicable.

Primary Quantity

Enter the quantity to allocate for the delivery line in the primary unit of measure.

Secondary Quantity

Displays the quantity allocated for the delivery line in the secondary unit of measure.

Lot/Sublot Details Available Inventory

Lot No

Displays the lot number from which the inventory is to be picked.

Sublot Number

Displays the sublot number from which the inventory is to be picked.

Location

Displays the warehouse location from which inventory is to be picked. This field is applicable if the item is location controlled. This may be required depending on the validation requirements that have been setup. See: *OPM Inventory Management User's Guide*.

Primary Allocated Qty

Enter the quantity to allocate from each lot/location in the primary unit of measure.

Secondary Allocated Qty

Displays the quantity allocated from each lot/location in the secondary unit of measure.

Grade

Displays the grade of the item being picked, if applicable.

On Hand Qty

Displays the quantity on hand in inventory from the lot in the primary unit of measure.

On Hand Qty 2

Displays the quantity on hand in inventory from the lot and subplot in the secondary unit of measure.

Commit Qty

Displays the quantity from the lot committed to a detailed reservation or allocation in the primary unit of measure.

Commit Qty 2

Displays the quantity from the lot committed to a detailed reservation or allocation in the secondary unit of measure.

Lot Status

Displays the status of the lot as defined in OPM Inventory. See: *OPM Inventory Management User's Guide*.

Lot Created

Displays the creation or manufacturing certification date of the lot and subplot.

Expire Date

Displays the date the lot and subplot will expire.

Whse Code

Displays the warehouse at which the lot and subplot are stored.

Primary Available Qty

Displays the quantity in the primary unit of measure from which inventory is available to be picked.

Secondary Available Qty

Displays the quantity in the secondary unit of measure from which inventory is available to be picked.

Process Transactions Field Reference

Co

Displays the company code of the selected warehouse from which inventory was picked.

Orgn

Displays the process organization of the selected warehouse from which inventory was picked.

Whse

Displays the current warehouse code.

Item

Displays the item code for the item.

Lot Number

Displays the lot number from which inventory is allocated. If DEFAULTLOT is displayed, a high level reservation is made for the move order line but inventory from a specific lot is not allocated or reserved at a detailed level.

Sublot

Displays the subplot number from which inventory is allocated.

Location

Displays the location if the item is location controlled.

Qty

Displays the quantity of the allocation in the primary unit of measure.

UM

Displays the primary unit of measure.

Qty2

Displays the quantity of the allocation in the secondary unit of measure.

UM2

Displays the secondary unit of measure.

Grade

Displays the grade of the item that is picked, if applicable.

Shipping Process Inventory

Process inventory specific fields have been added to several shipping windows. The following topics are discussed:

- Understanding Process Features for Shipping in Order Management
- Process-Enabled Fields on the Packing Workbench Window
- Process-Enabled Fields on the Shipping Windows

Understanding Process Features for Shipping in Order Management

Dual unit of measure, grade, and lot and subplot process features are available in the Packing Workbench, Shipping Transaction, and Line windows. Data is either entered or display only depending on whether the item's ship from warehouse is process-enabled.

Process-Enabled Fields on the Packing Workbench Window

The following process-enabled fields are available on the Packing Workbench window. If the item specified on the delivery line is dual controlled, lot or lot/sublot controlled, and has a grade, then these fields display. The process-enabled fields are display only. See: *Oracle Shipping Execution User's Guide*.

Pack

Sublot

Displays the subplot from which the delivery line was picked.

Contents

Secondary Requested Quantity

Displays the requested quantity to be shipped in the secondary UOM.

Secondary Shipped Quantity

Displays the quantity to be shipped in the secondary UOM.

Secondary Backordered Quantity

Displays the quantity to backorder in the secondary UOM.

Secondary Stage Quantity

Displays the quantity to remain at the staging location and not shipped in the secondary UOM.

Secondary Delivered Quantity

Displays the quantity delivered in the secondary UOM.

Secondary Requested Quantity UOM

Displays the UOM for the secondary quantities on this window. This is the item's secondary UOM.

Secondary Cancelled Quantity

Displays the quantity cancelled from the original sales order line in the secondary UOM.

Secondary Source Requested Quantity

Displays the quantity in the secondary UOM based on the primary source requested quantity. The primary source requested quantity is based on the ordering UOM requested by the customer.

Secondary Source Requested Quantity UOM

Displays the secondary UOM from the source sales order.

Grade

Displays the grade of the item for the delivery line.

Process-Enabled Fields on the Shipping Windows

Process-enabled fields are available on the following shipping windows.

- Shipping Transaction
- Line

See: *Oracle Shipping Execution User's Guide*.

Process-Enabled Fields on the Shipping Transaction Window

The process-enabled fields on this window are:

Secondary Requested Quantity

Displays the requested quantity to be shipped in the secondary UOM. The secondary requested quantity is based on the Requested Quantity field where the primary UOM is applicable. The requested quantity is pick confirmed for delivery in the move order.

Secondary Shipped Quantity

Enter the actual quantity shipped in the secondary UOM. The secondary shipped quantity is based on the Shipped Quantity field where the primary UOM is applicable. This field is applicable depending on the dual control setting for the item. The settings for the item are Non dual, Fixed dual controlled, Default dual controlled, and No default dual controlled. See: *OPM Inventory Management User's Guide* for detailed information on the dual control setting.

Secondary Backordered Quantity

Enter the backordered quantity in the secondary UOM. The secondary backordered quantity is based on the Shipped Quantity field where the primary UOM is applicable. The settings for the item (Non dual, Fixed dual controlled, Default dual controlled, and No default dual controlled) are applicable for the Backordered quantity and Secondary Backordered quantity fields.

Secondary Stage Quantity

Displays the quantity to remain at the staging location and not shipped on the delivery in the secondary UOM. The secondary stage quantity is based on the stage quantity.

Secondary Delivered Quantity

Enter the delivery quantity in the secondary UOM at each stop of the delivery confirmation. The settings for the item (Non dual, Fixed dual controlled, Default dual controlled, and No default dual controlled) are applicable for the Delivered Quantity and Secondary Delivered Quantity fields.

Secondary Cancelled Quantity

Enter the quantity to cancel in the secondary UOM. The settings for the item (Non dual, Fixed dual controlled, Default dual controlled, and No default dual controlled) are applicable for the Cancelled Quantity and Secondary Cancelled Quantity fields.

Secondary Source Requested Quantity

Displays the quantity requested by the customer to ship in the secondary UOM.

Secondary Requested Quantity UOM

Displays the UOM of the item for the secondary quantity.

Secondary Source Requested Quantity UOM

Displays the secondary UOM for the item.

Grade

Displays the grade of the item for the delivery line.

Sublot

Displays the sublot number allocated to the delivery line.

Process-Enabled Fields on the Line/Container Region

The following process-enabled fields are available on the Line window in the Line Container region:

Secondary Requested Quantity

Displays the requested quantity to be shipped in the secondary UOM. The secondary requested quantity is based on the Requested Quantity field where the primary UOM is applicable. The requested quantity is the quantity pick confirmed for delivery in the move order.

Secondary Shipped Quantity

Enter the actual quantity shipped in the secondary UOM. The secondary shipped quantity is based on the Shipped Quantity field where the primary UOM is applicable. The settings for the item (Non dual, Fixed dual controlled, Default dual controlled and No default dual controlled) are applicable for the Shipped Quantity and Secondary Shipped Quantity fields.

Secondary Backordered Quantity

Enter the backordered quantity in the secondary UOM. The secondary backordered quantity is based on the Shipped Quantity field where the primary UOM is applicable. The settings for the item (Non dual, Fixed dual controlled, Default dual controlled and No default dual controlled) are applicable for the Backordered Quantity and Secondary Backordered Quantity fields.

Secondary Stage Quantity

Displays the quantity to remain at the staging location and not shipped on the delivery in the secondary UOM. The secondary stage quantity is based on the Stage Quantity field.

Secondary Quantity UOM

Displays the secondary UOM for the item for the delivery line.

Process-Enabled Fields on the Line Window, Inventory Details Region

The following process-enabled fields are available on the Line window in the Inventory Details region:

Sublot

Displays the subplot number allocated to the delivery line.

Grade

Displays the grade of the item for the delivery line.

Process-Enabled Fields on the Line Window, Source Region

The following process-enabled fields are available on the Line window on the Source region:

Secondary Quantity

Displays the requested quantity in the secondary UOM. The secondary requested quantity is based on the Requested Quantity field where the primary UOM is applicable. The requested quantity is the quantity pick confirmed for delivery in the move order.

Secondary UOM

Displays the secondary UOM for the item for the delivery line.

Reporting for Order Management with Process Inventory

Process-enabled fields have been added to existing sales order and shipping reports. The following topics are discussed:

- Understanding Reports for Order Management with Process Inventory
- List of Reports and their Associated Process-Enabled Fields
- Manufacturing Accounting Controller Subledger Detail Report

Understanding Reports for Order Management with Process Inventory

Process-enabled fields are available on Order Management and Shipping Execution reports. If the inventory organization or warehouse specified for an order line is process-enabled, then the process-specific fields print on the report. The process-enabled fields and data appear on the report when there is process-specific data existing for the sales order line, move order line, or delivery line. See: *Oracle Order Management User's Guide* and *Oracle Shipping Execution User's Guide* for detailed information on these reports. The following is the list of reports containing process-enabled fields:

- Sales Order Acknowledgement
- Comprehensive Order Detail
- Cancelled Orders
- Cancelled Orders Reasons Detail
- Orders by Item
- Pick Slip
- Packing Slip
- Bill of Lading

List of Reports and their Associated Process-Enabled Fields

The following list provides the report name with their associated process-enabled fields:

Sales Order Acknowledgement Report

- Secondary Quantity
- Secondary Unit
- Grade

Comprehensive Order Detail Report

- Secondary Ordered Quantity
- Secondary Shipped Quantity
- Secondary Cancelled Quantity
- Secondary Quantity Unit
- Lot
- Sublot No
- Preferred Grade

Cancelled Orders Report

- Secondary Quantity
- Unit
- Secondary Quantity Unit

Cancelled Orders Reasons Detail Report

- Secondary Quantity
- Unit
- Secondary Quantity Unit

Orders by Item Report

- Secondary Ordered Quantity
- Secondary Shipped Quantity
- Secondary Outstanding Quantity
- Secondary Returned Quantity
- Customer Secondary Qty Total
- Item Secondary Qty Total
- Secondary Qty Unit
- Preferred Grade

Pick Slip Report

- Secondary Qts Unit
- Secondary Qts Requested
- Lot
- Sublot Number
- Grade
- II Qty

Packing Slip Report

- Lot
- Sublot
- Grade
- UOM2
- Ordered Qty2
- Shipped Qty2
- Backordered Qty2

Bill of Lading Report

- Shipped Qty 2
- (Requested Qty) UOM2

Manufacturing Accounting Controller Subledger Detail Report

Although the Order Management shipment transactions are correctly passed to the General Ledger, there are circumstances when the Subledger Detail report in the OPM Manufacturing Accounting Controller application provides erroneous amounts. When shipments for a sales order span multiple fiscal periods, the Subledger Detail report application provides misleading information. This is a report only issue. The impact on the General Ledger is correct.

A

Appendix

The following topics are covered:

- OPM Inventory and OPM Financials Navigator Paths
- Profile Option Related to Order Management with Process Inventory

OPM Inventory and OPM Financials Navigator Paths

Although your System Administrator may have customized your Navigator, typical navigation paths are described in the following table. In some cases, there is more than one way to navigate to a window. This table provide the most typical default path.

Window	Path
Transact Process Orders	OPM Inventory:Transact Process Move Orders:Organizations:Find:Find Process Order Lines:Find
Process Transactions	OPM Inventory:Transact Process Move Orders:Find Process Order Lines:Find:Actions:View Details:Go
Move Order Transactions	OPM Inventory:Transact Process Move Orders:Find Process Order Lines:Find:Actions:Manual Allocate:Go
Order Entry/Shipping Rules Allocation Criteria	OPM Inventory:Setup:Allocation Setup:Sales Order/Shipping Rules
Customer General Ledger Classes	OPM Financials:Mfg. Acctg Controller:Setup:Customer GL Class

Profile Option Related to Order Management with Process Inventory

The OPM profile option GML: OM Integration controls certain functionality when using OPM with Order Management. Set this profile option to Yes to continue with the proper setup and enter transactions which are recognized from Order Management. See: *Process-Enabled Setup in Order Management* in this user's guide.

Index

A

- Account mapping for Order Management inventory transactions, 2-21
- Activating dual quantities and grade in sales orders, 2-22
- Allocating
 - process inventory, 3-4
 - process move order lines, 4-2
- Allocation class, 3-5
- Allocation criteria, 2-17, 3-5
 - definition procedure, 2-17
 - field reference, 2-18
- Auto detail indicator, 4-2
- Auto pick confirm indicator, 4-2

B

- Booking an order, 3-6

C

- Checklist for setup, 2-2
- Customer general ledger class field reference, 2-13
- Customer information setup, 2-13

D

- Defining
 - allocation criteria, 2-17
 - customer classes procedure, 2-13
 - customer general ledger classes, 2-13
 - document type for Order Management inventory transactions, 2-11

- Detailed-level allocation, 3-4
- Document type, 2-11

E

- Enabling pricing flexfield for grade, 2-20

F

- Field reference
 - allocation criteria, 2-18
 - Customer general ledger class, 2-13
 - Move order transactions, 4-8
 - Process transactions, 4-12
 - transact process orders, 4-6
- Fields, process
 - packing workbench window, 5-3
 - sales order line items main information region, 3-2
 - shipping transaction window, 5-5
 - shipping transaction window inventory details region, 5-7
 - shipping transaction window line window, source region, 5-8
 - shipping transaction window line/container region, 5-6
 - shipping windows, 5-5
- Finding process move order lines, 4-4
- Flowchart for setup, 2-2

H

- High-level allocation, 3-4

I

Indicators

- auto detail, 4-2
- auto pick confirm, 4-2

L

List of reports and associated process-enabled fields, 6-3

LRS

- See Log roll-forward server (LRS), A-1

M

Manually allocating process move order lines procedure, 4-5

Manufacturing accounting controller subledger detail report, 6-5

Move order transactions field reference, 4-8

N

Navigator Paths, A-2

P

Prerequisites

- allocating process move order lines and pick confirm, 4-4
- reservations, 3-5
- sales orders, 3-2

Procedures

- defining allocation criteria, 2-17
- defining customer general ledger classes, 2-13
- finding process move order lines, 4-4
- manually allocating process move order lines, 4-5
- working with process move order lines procedure, 4-4

Process features in shipping, 5-2

Process inventory

- allocating, 3-4
- reserving, 3-4

Process inventory fields

- sales orders, 3-2

Process move order lines

- allocating, 4-2
 - pick confirm, 4-2
- Profile option, A-3

R

Related product setup steps, 2-6

Reporting, 6-2

Reservations

- prerequisites, 3-5
- Reserving process inventory, 3-4

S

Sales orders, 3-2

booking, 3-6

prerequisites, 3-2

process inventory fields, 3-2

Setting the OM integration profile option, 2-12

Setup

account mapping for Order Management inventory transactions, 2-21

activating dual quantities and grade in sales orders, 2-22

allocation criteria, 2-17

checklist, 2-2

customer information, 2-13

customer profile classes and customers, 2-16

enabling pricing flexfield for grade, 2-20

flowchart, 2-2

process inventory with Order Management, 2-2

Profile option, 2-12

receivables descriptive flexfield, 2-14

related product steps, 2-6

T

Transact process orders field reference, 4-6

W

Working with process move order lines

- procedure, 4-4