

**Oracle® Functional Testing Suite Advanced Pack for  
Oracle E-Business Suite – Process Manufacturing**

Reference Guide

Release 12.2.8

**Part No. E56961-06**

February 2019

Part No. E56961-06

Copyright © 2014, 2019, Oracle and/or its affiliates. All rights reserved.

Primary Author: Madhusmita Mahapatro

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

**U.S. GOVERNMENT END USERS:** Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

---

# Contents

## Send Us Your Comments

## Preface

### 1 Introduction

Overview.....	1-1
Oracle Process Manufacturing Attributes.....	1-2

### 2 Oracle Process Manufacturing Cost Management Flows

Oracle Process Manufacturing Cost Management Overview.....	2-1
Oracle Process Manufacturing Cost Management Attributes.....	2-1
Distributions for Customer Returns after Revenue Recognition.....	2-2
Distributions for Intercompany Transfers.....	2-5
Distributions for Purchase Order Including Lot Cost Adjustments and Burdens.....	2-8
Distributions for Purchase Order Using Landed Cost Management (LCM) Pre-Receiving Organization.....	2-11
Costing Distributions for Production Batches .....	2-14

### 3 Oracle Manufacturing Execution System for Process Manufacturing Flows

Oracle Manufacturing Execution System for Process Manufacturing Overview.....	3-1
Oracle Manufacturing Execution System for Process Manufacturing Attributes.....	3-2
Setup for Document Numbering .....	3-4
Setup for Dispensing Area.....	3-5
Setup for Operation Certification .....	3-6
Process Instructions Setup for Operations.....	3-7
Profile Setup in WMS for Printing Labels .....	3-8

Item Reservation Tests for Dispensing.....	3-9
Operator Workbench Process Instructions Execution .....	3-10
Reverse Dispensing .....	3-12
<b>4 Oracle Process Manufacturing Process Execution Flows</b>	
Oracle Process Manufacturing Process Execution Overview.....	4-1
Oracle Process Manufacturing Process Execution Attributes.....	4-1
Release and Unrelease Batch.....	4-3
FPO to Batch Creation.....	4-4
Batch Reservations and Picking Move Order.....	4-5
Batch Scaling and Theoretical Yield.....	4-7
Inventory Lot Genealogy.....	4-8
Ingredient Picking for Staging Subinventory.....	4-9
Process Manufacturing Make to Order.....	4-10
<b>5 Oracle Process Manufacturing Product Development Flows</b>	
Oracle Process Manufacturing Product Development Overview.....	5-2
Oracle Process Manufacturing Product Development Attributes.....	5-2
Manage Plant Resources.....	5-4
Manage Process Parameters.....	5-5
Manage Activities.....	5-5
Manage Process Operation.....	5-6
Formula Version Control.....	5-8
Formula Scaling.....	5-9
Formula Inquiry.....	5-10
E-Record Setup for Process Execution Product Development.....	5-11
Auto Recipe Generation with E-Record (Default Status).....	5-12
Experimental Item Validation, New Product Development Setups, and Batch Execution...5-14	5-14
Process Quality Results.....	5-15
Disable AME Rule Profiles.....	5-16
Manage Tests.....	5-17
Lot UOM Conversion.....	5-18
Direct Delivery of Material into Inventory Using Receipt Routing.....	5-19
Create Specification and its Validity Rules.....	5-20
Specification Comparison.....	5-21
<b>A Components in Oracle Process Manufacturing</b>	
Overview.....	A-1
Components in Oracle Process Manufacturing.....	A-1

---

# Send Us Your Comments

**Oracle Functional Testing Suite Advanced Pack for Oracle E-Business Suite ? Process Manufacturing Reference Guide, Release 12.2.8**

**Part No. E56961-06**

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document. Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Oracle E-Business Suite Release Online Documentation CD available on My Oracle Support and [www.oracle.com](http://www.oracle.com). It contains the most current Documentation Library plus all documents revised or released recently.

Send your comments to us using the electronic mail address: [appsdoc\\_us@oracle.com](mailto:appsdoc_us@oracle.com)

Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at [www.oracle.com](http://www.oracle.com).



---

# Preface

## Intended Audience

Welcome to Release 12.2.8 of the *Oracle Functional Testing Suite Advanced Pack for Oracle E-Business Suite – Process Manufacturing Reference Guide*.

This guide is meant for implementers and testers of Oracle E-Business Suite applications. The document can also be referenced by end users to get information about the test flows.

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

- The principles and customary practices of your business area.
- Computer desktop application usage and terminology.

See Related Information Sources on page viii for more Oracle E-Business Suite product information.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Structure

- 1 Introduction**
- 2 Oracle Process Manufacturing Cost Management Flows**
- 3 Oracle Manufacturing Execution System for Process Manufacturing Flows**
- 4 Oracle Process Manufacturing Process Execution Flows**
- 5 Oracle Process Manufacturing Product Development Flows**
- A Components in Oracle Process Manufacturing**

## Related 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 Application Testing Suite.

## Online Documentation

All Oracle Application Testing Suite documentation is available online (HTML or PDF).

- **PDF** - See the Oracle E-Business Suite Documentation Library for current PDF documentation for your product with each release. The Oracle E-Business Suite Documentation Library is also available on My Oracle Support and is updated frequently
- **Release Notes** - For information about changes in this release, including new features, known issues, and other details, see the release notes for the relevant product, available on My Oracle Support.

## Guides Related to This Product

### Oracle E-Business Suite User's Guide

This guide explains how to navigate, enter and query data, and run concurrent requests using the user interface (UI) of Oracle E-Business Suite. It includes information on setting preferences and customizing the UI. In addition, this guide describes accessibility features and keyboard shortcuts for Oracle E-Business Suite.

### Oracle Functional Testing Flow Builder Starter Pack Reference Guide for E-Business Suite Release 12.2

This guide describes each flow, thereby providing an insight about the purpose of the flow and the core setups required to execute the flow. These test flows are built using Oracle E-Business Suite of applications on Release 12.2 with a sample database, which is required to run these flows.

## Oracle Functional Testing Flow Builder User's Guide

Oracle Flow Builder (OFB) is a keyword-driven testing application that business analysts and Quality Assurance engineers use to build business test automation flows. The test automation flows can be translated into executable OpenScript scripts. Technical QA engineers or IT users define or update components by making use of the keywords for Oracle E-Business Suite of applications. Functional QA engineers or business analysts then assemble the components together to define a business process, or "flow" and generate OpenScript scripts to automate testing of the application

## Training and Support

### Training

Oracle offers a complete set of training courses to help you master your product and reach full productivity quickly. These courses are organized into functional learning paths, so you take only those courses appropriate to your job or area of responsibility.

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

### Support

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep your product 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 E-Business Suite Data

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

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

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify

Oracle E-Business Suite data using anything other than Oracle E-Business Suite, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle E-Business Suite.

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

---

# Introduction

This chapter covers the following topics:

- Overview
- Oracle Process Manufacturing Attributes

## Overview

Oracle Process Manufacturing (OPM) enables firms to better manage batch production involving variable ingredients, scalable recipes, and flexible routings, to satisfy unique specifications typically found in chemicals, food and beverage, life sciences, pharmaceutical, and natural resources industries. Oracle Process Manufacturing allows end-to-end lot traceability with embedded quality and multiple cost methods that provide complete visibility of plant operations.

The Oracle Functional Testing Suite Advanced Pack for Oracle E-Business Suite, referred to as advanced pack in this guide, provides components for testing features of different products delivered as part of E-Business Suite Release 12.2. The components delivered in the advanced pack for the following Oracle Process Manufacturing products are documented cumulatively in this guide:

- Oracle Process Manufacturing Cost Management
- Oracle Manufacturing Execution System for Process Manufacturing
- Oracle Process Manufacturing Process Execution
- Oracle Process Manufacturing Product Development

These flows are available over the Oracle Flow Builder Starter Pack in Release 12.4.0.2 of the Oracle Application Testing Suite for Oracle E-Business Suite.

For information about the components delivered in the Oracle Flow Builder Starter Pack, see the Oracle Functional Testing Flow Builder Starter Pack Reference Guide for E-Business Suite Release 12.2.

## Oracle Process Manufacturing Attributes

This section provides information on the common prerequisites, profile options, and data setups required for executing the flows in Oracle Procurement products. Flow specific requirements are documented along with each flow in subsequent chapters.

### Prerequisites

None.

### Profile Options

Not applicable.

### Predefined Data

Not applicable.

### Setup Data

Not applicable.

---

## Oracle Process Manufacturing Cost Management Flows

This chapter covers the following topics:

- Oracle Process Manufacturing Cost Management Overview
- Oracle Process Manufacturing Cost Management Attributes
- Distributions for Customer Returns after Revenue Recognition
- Distributions for Intercompany Transfers
- Distributions for Purchase Order Including Lot Cost Adjustments and Burdens
- Distributions for Purchase Order Using Landed Cost Management (LCM) Pre-Receiving Organization
- Costing Distributions for Production Batches

### Oracle Process Manufacturing Cost Management Overview

Oracle Process Manufacturing Cost Management combines detailed cost tracking features with flexible analytical tools to help process manufacturers determine their true product costs. Oracle Process Manufacturing Cost Management supports Standard, Actual and Lot costing types to calculate costs and create reports to analyze data at the most granular level. Using Oracle Subledger Application, necessary accounting entries are created for all the transactions.

### Oracle Process Manufacturing Cost Management Attributes

This section provides information on the common prerequisites, profile options, and data setups required for executing the Oracle Process Manufacturing Cost Management flows. Flow specific requirements are documented along with each flow in the subsequent sections.

## Prerequisites

The following are the prerequisites for executing the flows:

- The inventory accounting period is open.
- The general ledger period is open.

## Profile Options

Not applicable.

## Predefined Data

Not applicable.

## Setup Data

Not applicable.

# Distributions for Customer Returns after Revenue Recognition

This flow validates costing distributions for deferred COGS (Cost Of Goods Sold) and customer returns, when both Sales Order Return Material Authorization (RMA) and Revenue Recognition fall in the same accounting period, after revenue has been recognized.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Process Manufacturing Make to Order flow.

## Technical Name

OPM\_Distributions\_For\_Cust\_Returns\_After\_Revenue\_Recognition

## Prerequisites

The following are the prerequisites for executing this flow:

- OPM Costing calendar is defined.
- GL Period for OPM US Ledger is open.
- The inventory accounting period is open.

- The AR Periods are open.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
INV: Advanced Pricing for Intercompany Invoice	Yes
INV: Advanced Pricing for Inter-Org Transfers	No
QP: Pricing Transaction Entity	Order Fulfillment
QP: Source System Code	Oracle Pricing
SLA: Accounting Methods Builder Context	OPM

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Responsibility	Responsibility Name	<ol style="list-style-type: none"> <li>1. Manufacturing and Distribution Manager (Process Operations), Inventory, Items, Master Items</li> <li>2. Purchasing, Purchase Orders, Purchase Orders</li> <li>3. Inventory, Transactions, Receiving, Receipts</li> <li>4. Order Management, Pricing, Price List, Price List Setup</li> <li>5. Accounts Receivable, Interfaces, AutoInvoice</li> <li>6. Accounts Receivable, Control, Accounting, Revenue Recognition</li> <li>7. OPM Financials</li> </ol>
Item Template	Template	Process Item (with process manufacturing attributes enabled)
OPM Financials: Setup: Fiscal Policy	Cost Type	PMAC (Actual Costing)
Accounting Setup Manager	Ledger Name	OPM US

## Setup Data

Not applicable.

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR is the item master organization PR1- Main Process Manufacturing
Supplier	Supplier Name	Bigmart (and site as BENTONVILLE)
Order Management	Default Order Type	Standard (Process)
Enter Price List	Price List Setup	Process
Define Shipping Method	Shipping Method	DHL
Unit of Measure	Unit of Measure	LB & EA

## Distributions for Intercompany Transfers

This flow validates distributions for internal order material transfer from a discrete manufacturing enabled inventory organization to a process manufacturing enabled inventory organization across operating units. It further processes the invoice using both Lot Cost and Actual Cost methods.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Distributions for Intercompany Transfers flow.

### Technical Name

OPM\_Costing\_Distributions\_For\_Intercompany\_Transfers

### Prerequisites

The following are the prerequisites for executing this flow:

- The OPM costing calendar is defined.
- The GL period for OPM US Ledger is open.
- The Inventory accounting periods are open.

- The Control Purchasing periods are open.
- AR periods are open.
- AP periods are open

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
INV: Intercompany Invoice for Internal Orders	Yes
CST: Transfer Pricing Option	Yes, Price Not As Incoming Cost
INV: Advanced Pricing for Intercompany Invoice	No
QP: Pricing Transaction Entity	Order Fulfillment
QP: Source System Code	Oracle Pricing
SLA: Accounting Methods Builder Context	OPM

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Responsibility	Responsibility Name	<ol style="list-style-type: none"> <li>1. Manufacturing and Distribution Manager (Process Operations), Inventory, Items, Master Items</li> <li>2. Inventory, Cost, Item Costs, Item Costs</li> <li>3. Purchasing, Purchase Orders, Purchase Orders</li> <li>4. Inventory, Transactions, Receiving, Receipts</li> <li>5. Order Management, Pricing, Price Lists, Price List Setup</li> <li>6. Accounts Receivable, Interfaces, AutoInvoice</li> <li>7. Accounts Receivable, Control, Accounting, Revenue Recognition</li> <li>8. OPM Financials</li> </ol>
Item Template	Template	Process Item (with process manufacturing attributes enabled)
OPM Financials: Setup: Fiscal Policy	Cost Type	LOTC (Lot Cost Method) PMAC (Actual Costing)
OPM Financials: Setup: Cost Calendars	Cost Calendar	2013
Accounting Setup Manager	Ledger Name	OPM US

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	Vision Operations
Organization	Inventory Organization	V1 is the item master org M1- Seattle Manufacturing
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR is the item master org PR1-Main Process Manufacturing
Supplier	Supplier Name	Use Bigmart as supplier for creating Purchase Orders and site as BENTONVILLE
Order Management	Default Order Type	Standard (Process)
Order Management	Default Invoice Transaction Type	Intercompany
Enter Price List	Price List Setup	Process
Define Shipping Method	Shipping Method	DHL
Unit of Measure	Unit of Measure	LB & EA
Purchasing, Approval Hierarchy	Approver for Internal Requisitions and Internal Orders	Copeland, Ms. Sandra

## Distributions for Purchase Order Including Lot Cost Adjustments and Burdens

This flow validates costing distributions for lot cost adjustments and burdens using the

lot cost processor in an OPM enabled organization.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Distributions for Purchase Order Including Lot Cost Adjustments and Burdens flow.

### Technical Name

OPM\_Distributions\_For\_PO\_With\_LotCost\_Adjstmnts\_And\_Burdens

### Prerequisites

The following are the prerequisites for executing this flow:

- OPM Costing Calendar is defined.
- GL Period for OPM US Ledger is open.
- The inventory accounting periods are open.
- The Control Purchasing Periods are open.

### Profile Options

Not applicable.

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Responsibility	Responsibility Name	<ol style="list-style-type: none"> <li>1. Manufacturing and Distribution Manager (Process Operations), Inventory, Items, Master Items</li> <li>2. Purchasing, Purchase Orders, Purchase Orders</li> <li>3. Inventory, Transactions, Receiving, Receipts</li> <li>4. OPM Financials</li> </ol>

## Setup Data

The following data needs to be set up:

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR is the item master org PR1- Main Process Manufacturing
Supplier	Supplier Name	Use Bigmart as supplier for creating purchase orders and site as BENTONVILLE
Unit of Measure	Unit of Measure	LB & EA
OPM Financials, Setup	Lot Cost Type	LOT-RT
OPM Financials	Resource	1-CLEAN

Window Name	Field Name	Field Value
OPM Financials	Component Class	1-CLEAN
OPM Financials	Analysis Code	IND

## Distributions for Purchase Order Using Landed Cost Management (LCM) Pre-Receiving Organization

This flow validates landed cost charges associated with a Purchase Order, AP invoice charge variance, and invoice item cost variance, in an OPM-LCM enabled pre-receiving organization.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Distributions for Purchase Order Using Landed Cost Management (LCM) Pre-Receiving Organization flow.

#### Technical Name

OPM\_Costing\_Dist\_For\_PO\_Using\_LCM\_Pre\_Receiving\_ORG

#### Prerequisites

The following are the prerequisites for executing this flow:

- The OPM costing calendar is defined.
- The GL period for OPM US Ledger is defined.
- The inventory accounting periods are open.
- The Control Purchasing periods are open.
- AP periods are open.
- Organization is an OPM-LCM enabled pre-receiving organization.
- Receiving options are defined for the OPM-LCM enabled pre-receiving organization.
- Default shipment types are defined in the Landed Cost Management page for this OPM-LCM organization.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
INL: Item Category Set	Product Catalog
QP: Blind Discount Option	Yes
QP: Licensed for Product	Purchasing
QP: Pricing Perspective Request Type	Purchase Order
QP: Pricing Transaction Entity	Procurement
QP: Source System Code	Oracle Purchasing
SLA: Accounting Methods Builder Context	OPM (The context value defined by user while creating SLA Accounting)

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Responsibility	Responsibility Name	<ol style="list-style-type: none"> <li>1. Manufacturing and Distribution Manager (Process Operations), Inventory, Items, Master Items</li> <li>2. Purchasing, Purchase Orders, Purchase Orders</li> <li>3. Inventory, Transactions, Receiving, Receipts</li> <li>4. Landed Cost Management</li> <li>5. OPM Financials</li> <li>6. Accounts Payable, Invoices, Entry, Invoices</li> </ol>

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR is the item master organization Org Code: LO1 (an OPM-LCM Enabled Org) Org Name: LCM-OPM ORG1
Supplier	Supplier Name	Goodway (supplier for creating purchase orders, and site as SAN FRANCISCO)

Window Name	Field Name	Field Value
Landed Cost Management	Shipment Type	ST-01
OPM Financials	Cost Factors	INSURANCE (as LCM Charge)
Unit Of Measure	Unit of Measure	LB & EA

## Costing Distributions for Production Batches

This flow validates cost distributions for a product batch. It also validates the process by which ingredient costs, or lower level costs, are rolled up to the product cost through formal setups like formula, recipe and routing in scenarios where percentage burdens are set up using Standard Costing.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Costing Distributions for Production Batches flow.

#### Technical Name

OPM\_Costing\_Distributions\_For\_Production\_Batches

#### Prerequisites

The following are the prerequisites for executing this flow:

- The OPM costing calendar is defined.
- The GL period for OPM US Ledger is open.
- Inventory accounting periods are open.
- Control Purchasing periods are open.

#### Profile Options

Not applicable.

#### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Responsibility	Responsibility Name	<ol style="list-style-type: none"> <li>1. Manufacturing and Distribution Manager (Process Operations), Inventory, Items, Master Items</li> <li>2. Purchasing, Purchase Orders, Purchase Orders</li> <li>3. Inventory, Transactions, Receiving, Receipts</li> <li>4. Production Supervisor</li> <li>5. Formulator</li> <li>6. Process Engineer</li> <li>7. OPM Financials</li> </ol>

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR is the item master organization PR1- Main Process Manufacturing
Supplier	Supplier Name	Bigmart (supplier for creating purchase orders and site as BENTONVILLE)
Unit Of Measure	Unit of Measure	LB & EA
Process Engineer	Activities	MIXING, FILTERING, STAINING
Process Engineer	Operations	MIXING, FILTERING, STAINING

<b>Window Name</b>	<b>Field Name</b>	<b>Field Value</b>
OPM Financials	Resource	1-LABOR,TEST

---

# Oracle Manufacturing Execution System for Process Manufacturing Flows

This chapter covers the following topics:

- Oracle Manufacturing Execution System for Process Manufacturing Overview
- Oracle Manufacturing Execution System for Process Manufacturing Attributes
- Setup for Document Numbering
- Setup for Dispensing Area
- Setup for Operation Certification
- Process Instructions Setup for Operations
- Profile Setup in WMS for Printing Labels
- Item Reservation Tests for Dispensing
- Operator Workbench Process Instructions Execution
- Reverse Dispensing

## Oracle Manufacturing Execution System for Process Manufacturing Overview

Oracle Manufacturing Execution System for Process Manufacturing is an add-on application to Oracle Process Manufacturing that provides intensive, multifaceted shop floor execution capabilities. The application allows process manufacturers to deploy Oracle Process Manufacturing directly on their shop floors as the manufacturing execution system (MES). For most process manufacturers, the structured and standards-based shop floor execution toolset of MES removes the requirement to invest in a third party or a homegrown MES system, and helps reduce costs while eliminating integration and support tasks.

# Oracle Manufacturing Execution System for Process Manufacturing Attributes

This section provides information on the common prerequisites, profile options, and data setups required for executing the Oracle Manufacturing Execution System for Process Manufacturing flows. Flow specific requirements are documented along with each flow in the subsequent sections.

## Prerequisites

The following are the prerequisites for executing the flows:

- MES applications are installed.

For the MES installation, the following concurrent programs are run:

- Enable MES for Process Manufacturing Functionality
- Enable Control Batch Record

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No – EDR and E-signatures are turned off  Yes – EDR and E-signatures are turned on to proceed with the transaction data with E-signature

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
User	User Name	Process_ops

<b>Window Name</b>	<b>Field Name</b>	<b>Field Value</b>
Responsibility	Responsibility Name	Formulator Production Supervisor Inventory Super User (Process Operations) Oracle HRMS Learning Administrator, Vision Corporation Process Engineer Whse Mgmt Super User (Process Operations) Workflow Administrator Web Applications ERES Administrator Approvals Management Business Analyst MES for Process Manufacturing Administrator (for setup, administration and execution, accessibility to MES for Process Manufacturing module)
Item Template	Template	Process Item (with process manufacturing attributes enabled)

## Setup Data

The following data must be set up:

<b>Window Name</b>	<b>Field Name</b>	<b>Field Value</b>
Organization	Organization	PRU - US Operations (Process Manufacturing)
	Inventory Organization	PR1 – Main Process Manufacturing LAB – Process organization
Recipe	Recipe	Recipe and Validity Rule

Window Name	Field Name	Field Value
Product Development Security Manager: Organization parameter: Query for 'LAB'	Laboratory	Enabled

## Setup for Document Numbering

This flow creates and updates document numbering setup for dispensing and reverse dispensing of materials.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Setup for Document Numbering flow.

#### Technical Name

GMO\_Document\_Numbering\_Setup\_Create\_Update

#### Prerequisites

The following is a prerequisite for executing this flow:

- Process attributes of the inventory organization are enabled.

None.

#### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

#### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR3

## Setup Data

Not applicable.

## Setup for Dispensing Area

A Dispensing Area represents the physical area in a warehouse where a dispensing activity occurs. A Dispensing Area can be divided into smaller rooms called Dispensing Booths which are the specific locations for dispensing activities. To set up a Dispensing Area, it must be associated with an organization. Dispensing Booths, Storage Locations, and Area Human Resources must also be defined.

This flow creates and sets up a dispensing area.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Setup for Dispensing Area flow.

### Technical Name

GMO\_Setup\_Create\_And\_Update\_Dispatching\_Area

### Prerequisites

The following are the prerequisites for executing this flow:

- Inventory Organization – Process attributes are enabled.
- Subinventory for the above organization is defined.
- Locator for the above subinventory is defined.
- Employee user is defined. (Optional)

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Subinventory	Subinventory	PHAR-RM

## Setup for Operation Certification

This flow creates the setup for Operation Certification learning for users.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Setup for Operation Certification flow.

### Technical Name

GMO\_Setups\_Certification

### Prerequisites

The following are the prerequisites for executing the GMO Setup Operation Certification flow:

- The user is logged in as BPALMER

- An employee user is defined.

### Profile Options

Not applicable.

### Predefined Data

Not applicable.

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Oracle Learning Management	Category	Consulting

## Process Instructions Setup for Operations

This flow creates the process instructions for operations. Process instructions are a sequence of instructions for users to follow at the time of operation execution.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Process Instructions Setup for Operations flow.

### Technical Name

PI\_For\_Operations

### Prerequisites

The following are the prerequisites for executing this flow:

- Default Operation Status is set to New.
- Version Control is set to No.

### Profile Options

The following profile options must be set:

---

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

---

## Predefined Data

The following predefined data must be used:

---

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

---

## Setup Data

Not applicable.

## Profile Setup in WMS for Printing Labels

This flow performs the profile setups in Oracle Warehouse Management System (WMS) to print labels for various transactions.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Profile Setup in WMS for Printing Labels flow.

### Technical Name

Label\_Profile\_Setup\_WMS

### Prerequisites

None.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value	Level
WMS: Label Print Mode	Asynchronous	User
WMS: Label file prefix	OPM	User
WMS: Label output directory	/dbfiles/applicsf/outbound	User

## Predefined Data

Not applicable.

## Setup Data

Not applicable.

## Item Reservation Tests for Dispensing

Dispensing the right materials to the right batches prior to the manufacturing process is a key activity in life sciences and other process industries. Companies preweigh materials to avoid errors and to assure rapid delivery at the critical stages of the drug formulation process.

In the Item Reservation Tests for Dispensing flow, a batch with a nonreserved item is created. Only the items which are defined as reserved should be available for dispensing.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Item Reservation Tests for Dispensing flow.

### Technical Name

Item\_Reservation\_Tests\_Dispatching

### Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1
Organization	Organization	PR –Process Master

## Operator Workbench Process Instructions Execution

Batch records are work orders that provide a detailed step-by-step course of action to steer production operators through the batch manufacturing process. Depending on individual work instructions, some batch steps can be done at any time, while other steps must be completed before batch production can proceed, these instructions can be completed using the Operators Workbench.

The Operator Workbench Process Instructions Execution flow performs the following activities:

- Releases batch step
- Locks the step
- Validates the lock step
- Executes instructions
- Executes process instructions associated to other entities

- Executes tasks associated instructions

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Operator Workbench Process Instructions Execution flow.

### Technical Name

Operator\_WB\_Operation\_Execution

### Prerequisites

The following are the prerequisites for executing the flow:

- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Formula	Formula	3001 v1
Routing	Routing	3001 v1
Master Items / Organization Items	Master Items / Organization Items	3001

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Reverse Dispensing

A dispensed container can be reverse dispensed in the event of batch cancellation, or when the dispensed material quantity is to be adjusted. Reverse dispensing can be done for either the individual raw material or all the materials for a production batch.

The Reverse Dispensing flow reverses the raw material or materials meant for a production batch.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Reverse Dispensing flow.

### Technical Name

Reverse\_Dispensing\_Flows

### Prerequisites

The following are the prerequisites for executing the flow:

- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No
EDR: E-records and E-signatures	Yes

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Formula	Formula	5230 v1
Routing	Routing	JJ-CRANBERRY-COCKTAIL%1 v1
Master Items / Organization Items	Master Items / Organization Items	5236

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1



---

# Oracle Process Manufacturing Process Execution Flows

This chapter covers the following topics:

- Oracle Process Manufacturing Process Execution Overview
- Oracle Process Manufacturing Process Execution Attributes
- Release and Unrelease Batch
- FPO to Batch Creation
- Batch Reservations and Picking Move Order
- Batch Scaling and Theoretical Yield
- Inventory Lot Genealogy
- Ingredient Picking for Staging Subinventory
- Process Manufacturing Make to Order

## Oracle Process Manufacturing Process Execution Overview

The Oracle Process Manufacturing Process Execution application tracks firm planned orders and production batches from incoming materials through to finished goods. Seamlessly integrated to the Product Development application, Process Execution converts planned orders to single or multiple production batches, allocates ingredients, records actual ingredient usage, and completes and closes production batches. Production inquiries and preformatted reports help optimize inventory costs while maintaining a high level of customer satisfaction with on-time delivery of high quality products.

## Oracle Process Manufacturing Process Execution Attributes

This section provides information on the common prerequisites, profile options, and

data setups required for executing the Oracle Process Manufacturing Process Execution flows. Flow specific requirements are documented along with each flow in the subsequent sections.

## Prerequisites

The following are the prerequisites for executing the flows:

- Organizations are set up.
- Process Execution Parameters are defined.
- Process Engineer setups are complete.
- Product development setups are complete.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
User	User Name	Process_ops
	Password	welcome
Responsibility	Responsibility Name	Production Supervisor
		Formulator
		Inventory Super User (Process Operations)
		Process Engineer

Window Name	Field Name	Field Value
Item Template	Template	Process Item (with process manufacturing attributes enabled)

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
Organization	Inventory Organization	PR1- Main Process Manufacturing
Recipe	Recipe	Recipe and Validity Rule
Process Execution Parameter	Batch Numbering	Automatic

## Release and Unrelease Batch

This flow creates a batch, reserves a batch, creates pending lots, and tests batch step status changes for Normal, Phantom and Lab batches.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Release and Unrelease Batch flow.

### Technical Name

Convergence\_Batch\_Step\_Release\_Unrelease

### Prerequisites

None.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Item creation	Item creation	All Process Control item attributes must be enabled.
UOM Conversions	UOM Conversions	UOM conversions from primary to secondary UOM must be set.

## FPO to Batch Creation

This flow creates firm planned orders (FPO) and converts the FPOs to production batches. It also queries the newly converted batches from the Batch Query form.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute FPO to Batch Creation flow.

## Technical Name

Convergence\_Batch\_Details\_Convert\_FPO

## Prerequisites

The following is a prerequisite for executing the FPO to Batch Creation flow:

- Recipe and validity rules are defined.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Item creation	Item creation	All Process Control item attributes must be enabled.

## Batch Reservations and Picking Move Order

This flow creates subinventory, locators, items, formulas and recipes. Based on the recipe, a new batch is created and a detailed reservation is performed for the ingredients. Ingredients are picked from the Picking Workbench and a Move Order is created. Batch reservations are verified after the batch pick release step is completed.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Batch Reservations and Picking Move Order flow.

### Technical Name

Conv\_Reservations\_Picking\_MoveOrder

### Prerequisites

The following is a prerequisite for executing this flow:

- Picking rules are defined.

### Profile Options

Not applicable.

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Process Execution Parameters	Create Reservations	(Select the check box to create a reservation.)

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Picking Rule	Picking Rule for Manufacturing	(Define inventory rules if the organization is not WMS enabled.)  (If the organization is WMS enabled, define the WMS Picking Rule.)

## Batch Scaling and Theoretical Yield

This flow creates items required for formula and recipe. It then creates a Firm Planned Order with the recipe. This flow converts the newly created Firm Planned Orders to batches by scaling the product quantity, and verifies if all ingredient, product and by product quantities are proportionally scaled up.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Batch Scaling and Theoretical Yield flow.

#### Technical Name

GME\_Convergence\_Scale\_Batch\_Theoretical\_Yield

#### Prerequisites

The following is a prerequisite for executing this flow:

- Recipe and validity rules are defined.

#### Profile Options

Not applicable.

#### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Process Execution Parameters	Batch Numbering	Automatic (with starting number as per business requirement)
	FPO Numbering	

#### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Product Development Security Manager: Organization Parameters: Query for PR1 Item creation	Default Formula Status	New

## Inventory Lot Genealogy

This flow creates items, a formula and a recipe. Using the recipe, a new batch is created and is released in WIP status. The finished product is entered into the Pending Lots inventory category. This flow also verifies if the product lot details are correctly displayed in the Lot Genealogy window.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Inventory Lot Genealogy flow.

#### Technical Name

Inventory\_Lot\_Genealogy

#### Prerequisites

None.

#### Profile Options

Not applicable.

#### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Process Execution Parameters	Batch Numbering FPO Numbering	Automatic (with starting number parameter as per business requirement)

## Setup Data

Not applicable.

## Ingredient Picking for Staging Subinventory

This flow performs the following activities:

- Creates ingredients and checks on hand quantities
- Creates a batch and picks ingredients
- Verifies move order lines
- Verifies move order ingredient allocations

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Ingredient Picking for Staging Subinventory flow.

### Technical Name

Picking\_Materials\_For\_Staging

### Prerequisites

The following are the prerequisites for this flow:

- Formula is defined.
- Recipe and validity rules are defined.
- Picking rule is defined.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Process Execution Parameters	Batch Numbering	Automatic (with starting number parameter as per business requirement)
	FPO Numbering	

## Setup Data

Not applicable.

# Process Manufacturing Make to Order

This flow is designed to fulfill sales order demand by creating firm planned orders and batches based on business requirements. This flow creates formulas and recipes to create auto firm planned orders or batches.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Process Manufacturing Make to Order flow.

### Technical Name

Process\_Manufacturing\_Make\_To\_Order

### Prerequisites

The following are the prerequisites for executing this flow:

- Formula is defined.
- Recipe and validity rules are defined.
- Sales order parameters are set.
- Price list is defined.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No
EDR: Server Time zone	(Same as the value specified in Server Timezone profile option)

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Process Execution Parameters	Batch Numbering	Automatic (with starting number parameter as per business requirements)
	FPO Numbering	

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Make to Order Rules	Item	Product
Make to Order Rules	Customer	Big Mart
Make to Order Rules	Bill to, Ship to	Main Ship



---

# Oracle Process Manufacturing Product Development Flows

This chapter covers the following topics:

- Oracle Process Manufacturing Product Development Overview
- Oracle Process Manufacturing Product Development Attributes
- Manage Plant Resources
- Manage Process Parameters
- Manage Activities
- Manage Process Operation
- Formula Version Control
- Formula Scaling
- Formula Inquiry
- E-Record Setup for Process Execution Product Development
- Auto Recipe Generation with E-Record (Default Status)
- Experimental Item Validation, New Product Development Setups, and Batch Execution
- Process Quality Results
- Disable AME Rule Profiles
- Manage Tests
- Lot UOM Conversion
- Direct Delivery of Material into Inventory Using Receipt Routing
- Create Specification and its Validity Rules
- Specification Comparison

## Oracle Process Manufacturing Product Development Overview

Oracle Process Manufacturing Product Development delivers comprehensive and powerful tools that allow process manufacturers to manage the product life cycle from inception through production, accelerate innovation to market, and minimize costs. It also includes Oracle Process Manufacturing Quality Management, which helps process companies to achieve product consistency, enforce proactive quality assurance, streamline quality lab productivity, and assure customer and regulatory compliance.

## Oracle Process Manufacturing Product Development Attributes

This section provides information on the common prerequisites, profile options, and data setups required for executing the Oracle Process Manufacturing Product Development flows. Flow specific requirements are documented along with each flow in the subsequent sections.

### Prerequisites

The following are the prerequisites for executing the flows:

- Lab and Inventory Organization are defined
- Product development parameters are defined.
- Finished goods template is available.
- Default formula status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No – To disable E-signature
	Yes – To enable E-signature

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
User	User Name	Process_ops
	Password	welcome
Responsibility	Responsibility Name	Formulator Inventory Super User (Process Operations) Oracle HRMS Process Engineer Oracle Process Manufacturing Process Planning Workflow Administrator Web Applications ERES Administrator Approvals Management Business Analyst
Item Template	Template	Process Item (with process manufacturing attributes enabled)

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PRU - US Operations (Process Manufacturing)
	Inventory Organization	PR1- Main Process Manufacturing LAB - Process organization
Recipe	Recipe	Recipe and Validity Rule
Organization Parameters: Query for 'LAB'	Laboratory	Enabled

# Manage Plant Resources

Resources are assets that are used to manufacture production batches, including production equipment and employee labor, and can be utilized in different organizations. The Manage Plant Resources flow creates resources for performing activities and operations in a manufacturing plant.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Manage Plant Resources flow.

### Technical Name

GMD\_Process\_Operations

### Prerequisites

The following are the prerequisites for executing this flow:

- Unit of Measure Types is defined.
- Unit of Measure is defined.
- Cost Component Class is defined.

### Profile Options

Not applicable.

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

### Setup Data

Not applicable.

# Manage Process Parameters

The Manage Process Parameters flow associates process parameters to a resource, at the resource level within an operation and a recipe, as well as at the production batch level.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Manage Process Parameters flow.

### Technical Name

GMD\_Process\_Parameters

### Prerequisites

The following is a prerequisite for executing this flow:

- Units for process parameters are defined.

### Profile Options

Not applicable.

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1
Test Units	Test Units	\$

### Setup Data

Not applicable.

# Manage Activities

Activities are actions performed during production. Activities are set up to divide a manufacturing process into logical breakpoints. The Manage Activities flow creates activities to be performed on the shop floor with the help of resources in order to manufacture the finished product.

## Technical Name

GMD\_Activities

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Manage Activities flow.

### Prerequisites

The following is a prerequisite for executing this flow:

- Cost analysis codes are set up.

### Profile Options

Not applicable.

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Analysis Code	Analysis Code	VAL

### Setup Data

Not applicable.

## Manage Process Operation

Operations are a combination of activities performed in a production batch and the resources used to perform those activities. The Manage Process Operation flow creates operations to perform different activities on the shop floor.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Manage Process Operation flow.

## Technical Name

GMD\_Process\_Operations

## Prerequisites

The following are the prerequisites for executing this flow:

- Activities are created.
- Resources are created.
- Operation classes are created (Optional).
- UOM are created.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1
Activity	Activity	BLENDING
Process Operation Classes	Process Operation Classes	BLND
Unit of Measure	Unit of Measure	KGM
Generic Resource	Generic Resource	1-BLENDER
Plant Resource	Plant Resource	1-BLENDER
Cost Component Class	Cost Component Class	1-EQUIP

Window Name	Field Name	Field Value
Cost Analysis Code	Cost Analysis Code	VAL

## Setup Data

Not applicable.

## Formula Version Control

This flow creates a new version of a formula. Generally new versions of a formula are created when there are changes in the existing formula, in terms of quantity and ingredients used.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Formula Version Control flow.

### Technical Name

GMD\_Formulator\_Version\_Control

### Prerequisites

None.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

### Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organizations	Organizations	PR1

## Setup Data

Not applicable.

## Formula Scaling

Formulas can be scaled up or down by input or by output:

- If the formula input ingredients are scaled, a specific scaling factor is applied to all scalable ingredients. A calculated output scale factor is applied to all scalable outputs.
- If the formula outputs are scaled, a factor is applied to all scalable outputs. A calculated input scale factor is applied to all scalable ingredients.

In order for this approach to be successful, it must be specified whether the quantities of each item in the formula are fixed or scalable.

The Formula Scaling flow scales the formula up or down as per requirement.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Formula Scaling flow.

### Technical Name

GMD\_Formula\_Scaling

### Prerequisites

The following are the prerequisites for executing this flow:

- Setup ingredients and products with UOM conversion are defined based on Yield UOM and Mass UOM.
- Formula classes are created (Optional).
- Organization parameters are set (Optional).

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organization	Organization	PR1
Organization	Organization	PR – Process Master

## Setup Data

Not applicable.

## Formula Inquiry

The Formula Inquiry Selection window is the starting point for Formula Inquiry queries. Using a selection range to narrow the search of formula information, a summary list of formulas can be displayed that fit the parameters specified. The inquiry delivers a Formula Inquiry Summary View window where parent level and intermediate level formula information is displayed.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Formula Inquiry flow.

## Technical Name

GMD\_Prod\_Dev\_Formula\_Inquiry

## Prerequisites

The following are the prerequisites for executing this flow:

- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

The following predefined data must be used:

Window Name	Field Name	Field Value
Organization	Organization	PR1
Organization	Organization	PR – Process Master

## Setup Data

Not applicable.

## E-Record Setup for Process Execution Product Development

E-records are records that store data electronically and can be retrieved as and when required. Using e-records for transactions eliminates the need to maintain paper records.

The E-Record Setup for Process Execution Product Development flow creates the setup for e-record generation.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the E-Record Setup for Process Execution Product Development flow.

## Technical Name

GMD\_ERES\_Setup

## Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Operation Status is set to New.
- Default Routing Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Auto Recipe Generation with E-Record (Default Status)

Recipe is automatically generated once the formula is generated as per the setup. The Recipe Generation window configures rules for the creation of a recipe and validity

automatically when a formula is created.

The Auto Recipe Generation with E-Record (Default Status) flow generates the recipe automatically when a formula is created. The approver defined in Oracle Approvals Management (AME) must approve the recipe.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Auto Recipe Generation with E-Record (Default Status) flow.

### Technical Name

ERES\_Through\_Auto\_Recipe\_Generation\_With\_Default\_Status

### Prerequisites

None.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	Yes
EDR: E-records and E-signatures	No

### Predefined Data

Not applicable.

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

# Experimental Item Validation, New Product Development Setups, and Batch Execution

This flow creates experimental items, lab formulas, and lab batches to create a production batch.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Experimental Item Validation, New Product Development Setups, and Batch Execution flow.

### Technical Name

Experimental\_Item\_Validation\_NPD\_Setups\_And\_Batch\_Execution

### Prerequisites

None.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

### Predefined Data

Not applicable.

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

# Process Quality Results

Quality results serve as the basis for measuring actual material characteristics against expected quality records, and for assigning follow-up actions to be taken throughout the supply chain.

The Process Quality Results flow enters test results, assigns result evaluation and changes sample disposition status automatically.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Process Quality Results flow.

### Technical Name

Inventory\_Convergence\_Process\_Quality\_Results

### Prerequisites

The following are the prerequisites for executing the flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

### Predefined Data

Not applicable.

### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Disable AME Rule Profiles

AME rules must be disabled for transactions that do not require notifications. This flow disables all AME rules for various transaction types.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Disable AME Rule Profiles flow.

#### Technical Name

OPM\_Disable\_Vision\_AME\_Rule\_Profiles

#### Prerequisites

None.

#### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

#### Predefined Data

Not applicable.

#### Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Manage Tests

A test helps determine a quality characteristic or attribute of an item or lot. A test method describes how a test is performed. A test method can refer to a test protocol or standard operating procedure.

The Manage Tests flow creates test setup, and updates tests as well as test methods.

### Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Manage Tests flow.

#### Technical Name

QM\_Test\_Setup

#### Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

#### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

#### Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Lot UOM Conversion

This flow defines unit of measure (UOM) conversions between units, creates an item sample, and enters results. After entering the results it changes the disposition, which is the status of a sample or sample group with respect to analysis. While the disposition is changed, a notification is sent to the approver defined in Oracle Approvals Management.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Lot UOM Conversion flow.

### Technical Name

Final\_Lot\_UOM\_Conversions

### Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Direct Delivery of Material into Inventory Using Receipt Routing

This flow creates a purchase order and receives materials into the inventory without inspecting the goods being received.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Direct Delivery of Material into Inventory Using Receipt Routing flow.

### Technical Name

QC\_Direct\_Delivery\_Auto\_Sample\_Checked

### Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.
- Default Validity Rule Status is set to New.

### Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Create Specification and its Validity Rules

Specification identifies the target or ideal result of a quality control assay test performed on an item or lot. Assay codes and item attributes are combined to devise test specifications for items and lots.

The Create Specification and its Validity Rules creates a specification and the rules to test if a specification is valid.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Create Specification and its Validity Rules flow.

### Technical Name

Quality\_Specifications\_And\_Validity\_Rules

### Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.

- Default Validity Rule Status is set to New.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

## Specification Comparison

The Specification Comparison flow compares two different specifications for the same item. Comparison takes place between tests and its results are entered.

## Attributes

This section provides information on prerequisites, profile options, and data setups required to execute the Specification Comparison flow.

## Technical Name

Specification\_Comparison

## Prerequisites

The following are the prerequisites for executing this flow:

- Default Formula Status is set to New.
- Default Recipe Status is set to New.

- Default Validity Rule Status is set to New.

## Profile Options

The following profile options must be set:

Profile Option Name	Profile Option Value
EDR: E-records and E-signatures	No

## Predefined Data

Not applicable.

## Setup Data

The following data must be set up:

Window Name	Field Name	Field Value
Organization	Organization	PR1

# A

---

## Components in Oracle Process Manufacturing

This appendix covers the following topics:

- Overview
- Components in Oracle Process Manufacturing

### Overview

This appendix describes the components in Oracle Process Manufacturing.

### Components in Oracle Process Manufacturing

Product	Feature	Component Name	Search Tags	Description
Oracle E-Records	E-Signatures	Eres_Cancel	Electronic Records and Signatures: Configuration Variables, Confirmation	Cancel Erecord signing
Oracle E-Records	E-Signatures	Eres_Forms_Ok	Eres	To click on OK button in forms choicebox in forms

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle E-Records	E-Signatures	Eres_Single_Online	Electronic Records and Signatures : List of Signers, Confirmation	E-signature using single approver in web
Oracle E-Records	E-Signatures	Eres_Single_Online_Dispense	SETUPCOMP, Electronic Records and Signature: E-signatures	Eres from Dispense Material in web
Oracle E-Records	E-Signatures	Eres_Single_Online_Label_Print	Print Label	Eres from Dispense Material
Oracle E-Records	E-Signatures	Set_Edr_Profile	Eres, SETUPCOMP	Setting the edr profile in forms
Oracle E-Records	Events	Business_Event_Enable_Disable	Workflow, SETUPCOMP, Update Event	Enabling or disabling business events in web
Oracle E-Records	Events	Business_Event_Subscription	Workflow, SETUPCOMP, Subscriptions	Enabling or disabling subscriptions in web
Oracle E-Records	Evidence Store	Evidnc_Perform_Simple_Search	Electronic Records and Signatures: Evidence Store	
Oracle E-Records	Evidence Store	Verify_Erecord_Status	Electronic Records and Signatures: Evidence Store	
Oracle E-Records	Setups	Search_TXN_Name	Transaction Type, SETUPCOMP	Search for transaction type in web

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle E-Records	Setups	Update_TXN_Variable_Value	Transaction Type, SETUPCOMP, Upd Transaction Variables	Update the transaction variables in web
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Inquiry	Verify_Result_Progression	Electronic Records and Signatures: E-record Details	Verify the Details in Batch Progression Window
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Inquiry	View_Result_Progression	Progression For Batch	
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Choose_Org_Oper_WBEN	Instructions	
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Exec_Ins_For_Setup_OP	Process Instructions	

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Execute_PI_with_Task	Information	Execute PI with Task
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Execute_PI_with_Task_Ack	Find Devices	Execute PI with Task Ack
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Lock_Step_Frm	Batch Operation	
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Search_Batch_Open_WBEN	SETUPCOMP, Dispense Area	Search Batch and Open Dispense

Product	Feature	Component Name	Search Tags	Description
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	Unlock_Step_OP	Dispense Task Planning	
Oracle Manufacturing Execution Systems for Process Manufacturing	Administrator Workbench	View_Batch_details	Batch Operation	
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing Setup	Create_Dispense_Setup_Header	SETUPCOMP, Document Numbering	Create Dispensing Setup Header part
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing Setup	Create_Instruction	SETUPCOMP, Instruction Set	Create Instruction
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing Setup	Create_Instruction_Set	SETUPCOMP, Operator Certification, Search, Operator Certification	Creating Instruction Set

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Manufacturing Systems for Process Manufacturing	Dispensing Setup	Return_to_Instruction_set	Dispensed Material Activity, Reverse Dispense	Returns to the instruction set page
Oracle Manufacturing Systems for Process Manufacturing	Dispensing Setup	Save_Dispensing_Setup	SETUPCOMP	Save Dispensing Setup
Oracle Manufacturing Systems for Process Manufacturing	Dispensing	Choose_Org_Area_Frm_Disp_Mat	Dispensed Material Activity	To Choose Organization and Dispense Area from Dispensable Material Page
Oracle Manufacturing Systems for Process Manufacturing	Dispensing	Choose_Org_Area_Frm_Dma	Production Status	

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing	Click_Dispatch_Frm_Dispatch_Mat	Dispensed Material Activity	To Dispense a material from Dispensable Material Page
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing	Disp_Mat_Full_Content	Dispense Material Instructions	To Dispense a material from Material Dispense Page
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing	Disp_Mat_Full_Content_Hdr	Material Dispense	
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing	Disp_Mat_Full_Content_Sign	Dispense Material Instructions	To Dispense a material from Material Dispense Page
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing	Reverse_Dispatch_Mat_Full_Sign	Reverse Dispense Material, Reverse Dispense	

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Manufacturing	Dispensing	Search_Batch_Frm_Disp_Mat	Dispensed Material Activity	To Perform a Search from Dispensable Material Page
Oracle Manufacturing	Dispensing	Search_Batch_Frm_Dma	Production Status	
Oracle Manufacturing	Dispensing	Select_Item_Frm_Dma	Batch Operation	
Oracle Manufacturing Area	Dispensing	Create_Dispense_Area	Dispensing Setup, SETUPCOMP	Create Dispense Area

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing Area	Search_Dispense_Area	SETUPCOMP, Dispensing Setup	Search Dispense Area
Oracle Manufacturing Execution Systems for Process Manufacturing	Dispensing Area	Update_Dispense_Area	SETUPCOMP, Update Dispensing Setup	Update Dispense Area
Oracle Manufacturing Execution Systems for Process Manufacturing	Document Numbering	Click_DocNum _Update_Image	SETUPCOMP	Click Update image of Doc Num
Oracle Manufacturing Execution Systems for Process Manufacturing	Document Numbering	Create_Doc_Nu mbering	SETUPCOMP, Instruction Set	Create Document Number
Oracle Manufacturing Execution Systems for Process Manufacturing	Document Numbering	Search_Doc_Nu mbering	SETUPCOMP, Operator Certification, Search, Operator Certification	Search Document Number

Product	Feature	Component Name	Search Tags	Description
Oracle Manufacturing Execution Systems for Process Manufacturing	Document Numbering	Update_Doc_In fo	Instructions Set	
Oracle Manufacturing Execution Systems for Process Manufacturing	Reverse Dispensing	Reverse_DISP_F RM_DISP_MAT	Reverse Dispense Material, Reverse Dispense	Click on Reverse Dispense Button in Dispensed Material Activity page
Oracle Process Manufacturing Costing	Actual Cost	Execute_Actual _Cost_Processor	Actual Cost	To run actual cost engine
Oracle Process Manufacturing Costing	Actual Cost	Get_Process_Re questID	Actual Cost	To Get Actual cost process Request ID
Oracle Process Manufacturing Costing	Cost Update	Execute_Cost_U pdate	Cost Update	To run cost update
Oracle Process Manufacturing Costing	Cost Update	Get_Cost_Proce ss_RequestID	Cost Update	To get cost update request ID
Oracle Process Manufacturing Costing	Fiscal Policy	Query_Fiscal_P olicy	Fiscal Policy, SETUPCOMP	To query fiscal policy

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing Costing	Fiscal Policy	Update_Event_Fiscal_Policy	Fiscal Policy, SETUPCOMP	To update event fiscal policy
Oracle Process Manufacturing Costing	Fiscal Policy	Update_Fiscal_Policy	Fiscal Policy, SETUPCOMP	To update fiscal policy
Oracle Process Manufacturing Costing	Item cost	Actual_Transaction_View	Actual Cost Transaction view	To verify cost in actual cost transaction view form
Oracle Process Manufacturing Costing	Item cost	Get_Cost_Item_Cost	Item cost	Get Item Cost
Oracle Process Manufacturing Costing	Item cost	Item_Cost_Formula_Detail	Item cost	To verify Item cost in formula details
Oracle Process Manufacturing Costing	Item cost	Item_Cost_List_Detail	Item cost	To check Item Cost List Detail
Oracle Process Manufacturing Costing	Item cost	Item_Cost_List_Detail_Cost	Item cost	This component is used to verify Item Cost List Details Cost
Oracle Process Manufacturing Costing	Item cost	Item_Cost_Routing_Detail	Item cost	To check Item Cost in Routing Detail

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Item cost	Verify_Item_Tot alCost	Item cost	To verify item total cost
Manufacturing Costing				
Oracle Process	Lot Cost	Add_Items_To_Lotcost	Lot cost, SETUPCOMP	To add items to lot cost
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Add_Lotcost-Adj	Lot Cost	To adjust the lot cost details
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Create_Lot_Cost_Method	Lot Cost, SETUPCOMP	To create the lot cost method
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Find_LotCost_Details	Lot Cost	To find item lot cost details
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Lot_Cost_Process_Run	Lot Cost	To run lot cost process
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Query_Update_Lotcost-Adj	SETUPCOMP, Lot Cost	Query and Update Lot cost Adjust
Manufacturing Costing	Process			
Oracle Process	Lot Cost	Verify_Lot_Cost_Details	Lot Cost	To verify item lot cost details
Manufacturing Costing	Process			

Product	Feature	Component Name	Search Tags	Description
Oracle Process Manufacturing Costing	OM COGS Transactions	COGS_Collect_Rev_Recog_Infrmtn	Collect Revenue recognition	To run collect revenue recognition information request
Oracle Process Manufacturing Costing	OM COGS Transactions	COGS_Record_Om_Transactions	Record Order Management	To run record order management transactions request
Oracle Process Manufacturing Costing	OM COGS Transactions	Generate_COGS_Recog_Event	COGS Recognition Events	To run generate cogs recognition events request
Oracle Process Manufacturing Costing	OM COGS Transactions	Revenue_Recognition	Revenue recognition	To run revenue recognition request
Oracle Process Manufacturing Costing	OPM Preprocessor	Execute_OPM_Pre_Processor	OPM Pre processor	To run OPM accounting processes
Oracle Process Manufacturing Costing	OPM Preprocessor	Get_Accounting_RequestID	OPM Pre processor	To get OPM accounting pre-processor request ID
Oracle Process Manufacturing Costing	Overheads	Add_Burdens_To_Lotcost	Burdens, SETUPCOMP	To add burden to lot cost items
Oracle Process Manufacturing Costing	Overheads	Create_Burden_Associations	Associations, SETUPCOMP	To create burden associations

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing Costing	Over Heads	Create_Burden_Percentages	Percentages, SETUPCOMP	To create burden percentages
Oracle Process Manufacturing Costing	Over Heads	Create_Percent_Burden_Code	Codes, SETUPCOMP	To create burden codes
Oracle Process Manufacturing Costing	Percentag e Burdens	Burden_Prioriti es_Create	Priorities, SETUPCOMP	To create burden priorities
Oracle Process Manufacturing Costing	Reports	Verify_Journal_Entity_Lines	Journal Entities	To verify journal entities
Oracle Process Manufacturing Costing	Resource Costs	Create_Resource_Cost_Header	SETUPCOMP, Resource Cost	Create resource cost header
Oracle Process Manufacturing Costing	Resource Costs	Create_Resource_Cost_Line	SETUPCOMP, Resource Cost	Add / Create Resource Cost Line
Oracle Process Manufacturing Costing	Setups	Select_InterCm_pny_txn_Relatio n	Inter-company	This component is used to setup Intercompany transaction Relations
Oracle Process Manufacturing Costing	Standard Cost	Add_Item_Std_Cost_Line	Standard Cost, SETUPCOMP	To add item to standard cost line

Product	Feature	Component Name	Search Tags	Description
Oracle Process Manufacturing Costing	Standard Cost	Cost_RollUp_Request_ID	Standard Cost	To get standard cost roll-up request ID
Oracle Process Manufacturing Costing	Standard Cost	Create_Std_Cst_Src_Org_Create	SETUPCOMP, Source Organization	Create Standard Cost source org line
Oracle Process Manufacturing Costing	Standard Cost	Define_Item_Std_Cost_Header	Standard Cost, SETUPCOMP	To define item to standard cost header
Oracle Process Manufacturing Costing	Standard Cost	Execute_Standard_Cost_Rollup	Standard Cost	To Execute Standard Cost Rollup
Oracle Process Manufacturing Execution	Batch Actions	Batch_Actions_Close	Batch Actions	To Change the status of a batch to close through Actions, Close Navigation
Oracle Process Manufacturing Execution	Batch Actions	Batch_Actions_Compl	Batch Actions	To Change the status of a batch to complete through Actions, Complete
Oracle Process Manufacturing Execution	Batch Actions	Batch_Actions_Release	Batch Actions	To Change the status of a batch to WIP through Actions, Release
Oracle Process Manufacturing Execution	Batch Actions	Batch_Actions_Unrel	Batch Details	

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing	Batch Actions	Batch_Validatio ns	Batch Details	To Verify the Batch header and Ingredient Tabbed Fields in a Batch Details window
Oracle Process Manufacturing	Batch Actions	Create_Batch_V al_Rul_Summari y	FPO	While Creating a FPO if more than one validity rule exists for a recipe then we can make use of this component to select a validity rule to be used
Oracle Process Manufacturing	Batch Actions	VerifyFormMen u	Verify Menu Status	This component is used to verify form menu is enable or not.
Oracle Process Manufacturing	Batch Creation	Create_Batch	Batch Details	To create a batch from batch details navigation
Oracle Process Manufacturing	Batch Creation	Verify_Batch_Status	Find Batches	Verification of Batch Status
Oracle Process Manufacturing	Batch Creation	FPO_Convert To Batch	Find Firm Planned Orders	
Oracle Process Manufacturing	Batch Creation	Find_FPO	Create Batch / Firm Planned Order	

Product	Feature	Component Name	Search Tags	Description
Oracle Process Manufacturing	Batch Creation From FPO Execution	Get_FPO_Batch_Numbers	Convert Firm Planned Order To Batch	To Get the Batch Numbers
Oracle Process Manufacturing	Batch Picking	Ingrid_Pick_Workbench	Ingredient Picking	
Oracle Process Manufacturing	Batch Picking	Ingredient_Picking	Find Batches	
Oracle Process Manufacturing	Batch Steps	Add_Batch_Activity_Details	Step Activities	Adding batch activity details
Oracle Process Manufacturing	Batch Steps	Bat_Call_Steps	Batch Steps	To Call Batch Steps from Batch Details window
Oracle Process Manufacturing	Batch Steps	Batch_Resources_Details_Cu_m_Add_Res	Step Resources	Batch Resources details / Batch Resource Add
Oracle Process Manufacturing	Batch Steps	Batch_Steps_Verify_Status	GME, Batch, Step Material Transaction, Verification	Verifying Batch Step status

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing	Batch Steps	Navigate_Batch_Activities	Batch Steps	Navigating to batch activities form
Oracle Process Manufacturing	Batch Steps	Navigate_Batch_Resources	Step Resources	Navigate to batch resources form
Oracle Process Manufacturing	Batch Steps	Step_Act_Comp_Step	Batch Steps	To change the status of a particular step to complete
Oracle Process Manufacturing	Batch Steps	Step_Act_Rel_Status	Batch Steps	To change the status of a particular step to Work in Process
Oracle Process Manufacturing	Batch Steps	Step_Act_Unrel_Status	Batch Steps	
Oracle Process Manufacturing	Batch Transactions	Material_Trx_Header_Find	Material Transactions	
Oracle Process Manufacturing	Batch Transactions	Material_Trx_In	Material Transactions	

Product	Feature	Component Name	Search Tags	Description
Oracle Process Manufacturing	Batch Transactions	Material_Trx_Prod	Material Transactions	To Transact Material from Material Transaction Window
Oracle Process Manufacturing	Batch Transactions	Update_Batch_Ingredient	Batch Details	Updating ingredients from batch
Oracle Process Manufacturing	Batch Transactions	Verify_Batch_ByProducts	Batch Details	Verify Batch By Products
Oracle Process Manufacturing	Batch Transactions	Verify_Batch_Ingredient	Batch Details	To Verify Ingredient Tabbed Fields from Batch Details Window
Oracle Process Manufacturing	Batch Transactions	Verify_Batch_Products	Batch Details	Verify Batch Products
Oracle Process Manufacturing	Find Batch Or FPO	Find_Batches	Batch Details	To Find a Batch
Oracle Process Manufacturing	Find Batch Or FPO	Find_FPO_New_FPO	Find Firm Planned Orders	Click on New Button in a Find FPO Window

Product	Feature	Component Name	Search Tags	Description
Oracle Process Manufacturing Execution	Find Batch Or FPO	Fnd_Batches_New_Batch	Batch Details	To create new Batch From Batch Details Navigation
Oracle Process Manufacturing Execution	Inventory Transactions	Batch_Inv_Call_Trx_Mtr	Batch Transactions	To Click on Transact Material Push Button from Batch Details Window
Oracle Process Manufacturing Execution	Inventory Transactions	Batch_Inv_Trx_Det_Res	Batch Transactions	To Perform Auto Detail Reservation from Batch Details Window through Inventory, Auto Detail Batch
Oracle Process Manufacturing Execution	Inventory Transactions	Batch_Inv_Trx_High_Res	Batch Details	
Oracle Process Manufacturing Execution	Inventory Transactions	Batch_Inv_Trx_Mnt_Res	Batch Details	
Oracle Process Manufacturing Execution	Inventory Transactions	Batch_Item_Reserv	Item Reservation Window	
Oracle Process Manufacturing Execution	Inventory Transactions	Verify_Batch_Item_Reserv	Item Reservation Window	Verify the Item Reservations

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Inventory Transaction	Verify_Ing_Transaction_Date	Correct Material Transactions	
Manufacturing				
Execution				
Oracle Process	Lab Batch Creation	Lab_Lot_Creation	Batch Details	
Manufacturing				
Execution				
Oracle Process	Pending Lots	Create_Product_Pending_Lots	Batch Details	To Create Pending Lots to a product
Manufacturing				
Execution				
Oracle Process	Phantom Batch Transaction	Tools_Edit_Parent	Batch Details	Query phantom parent batch
Manufacturing				
Execution				
Oracle Process	Phantom Batch Transaction	Tools_Edit_Phantom	Batch Details	Query phantom batch
Manufacturing				
Execution				
Oracle Process	Setups	Make_to_Order_Rules	Make to Order, SETUPCOMP	To create make to order rules
Manufacturing				
Execution				
Oracle Process	Setups	Process_Exe_Para	Setups, SETUPCOMP	To set the values of Process Execution parameters
Manufacturing				
Execution				

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing Product Development	Activity	Create_Activities	Activities, SETUPCOMP	To create activities in forms
Oracle Process Manufacturing Product Development	Activity	Find_Activities	SETUPCOMP, Activities	To create activities in forms
Oracle Process Manufacturing Product Development	Create Resources	Create_Generic_Resources	Generic Resource, SETUPCOMP	Create generic resource in forms
Oracle Process Manufacturing Product Development	Create Resources	Create_Plant_Resources	Plant Resource, SETUPCOMP	Creating Plant Resources in forms
Oracle Process Manufacturing Product Development	Create Resources	Find_Plant_Resources	SETUPCOMP, Resources Information	Find generic resources
Oracle Process Manufacturing Product Development	Formula	Create_Formula	Formula	Creating a formula in forms

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Formula	Formula_Copy	Formula Details	
Manufacturing Product Development				
Oracle Process	Formula	Formula_Find	Formula	Find formula in forms
Manufacturing Product Development				
Oracle Process	Formula	Formula_Inquiry	Formula Details	Formula inquiry
Manufacturing Product Development				
Oracle Process	Formula	Formula_Scaling_Percent	Formula Details	Scale Formula
Manufacturing Product Development				
Oracle Process	Formula	Formula_Scaling_Qty_Ing	Formula Details	
Manufacturing Product Development				
Oracle Process	Formula	Formula_Status	Formula	Change formula status in forms
Manufacturing Product Development				

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Formula	Verify_Formula_Details	Formula Details	Verify Formula Details
Manufacturing Product Development				
Oracle Process	Formula	Verify_Formula_Inquiry	Formula Inquiry Summary View	Formula_Inquiry_View
Manufacturing Product Development				
Oracle Process	Formula	Verify_Formula_Status	Formula	Verification of formula status in forms
Manufacturing Product Development				
Oracle Process	Formula Security	Form_Sec_Access_Hdr_Enabl	SETUPCOMP, Product Development Security Access	Enable form security access header
Manufacturing Product Development				
Oracle Process	Formula Security	Form_Security_Access_Query	SETUPCOMP, Product Development Security Access	Query formula security access
Manufacturing Product Development				
Oracle Process	Formula Security	Form_Security_Access_Update	SETUPCOMP, Product Development Security Access	Update form security access
Manufacturing Product Development				

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Process Engineer	Navigate_Recipe	Recipe Details	To navigate to recipe
Manufacturing Product Development				
Oracle Process	Process Operation	Create_PI_From_Operations	Process Operation Details:Activities	Create Process Instructions - Operations
Manufacturing Product Development				
Oracle Process	Process Operation	Create_PI_Set_From_Operations	Process Operation Details:Activities	Create Process Instructions set -Operations
Manufacturing Product Development				
Oracle Process	Process Operation	Create_Pr_Operations	Operations	Create process operations in forms
Manufacturing Product Development				
Oracle Process	Process Operation	Pr_Operations_Status	Operations	Change process operation status in forms
Manufacturing Product Development				
Oracle Process	Recipe	Create_Multiple_Validity_Rule	Recipe Details	
Manufacturing Product Development				

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing Product Development	Recipe	Create_Recipe	Recipe, SETUPCOMP	Create recipe in forms
Oracle Process Manufacturing Product Development	Recipe	Create_Recipe_No_Popuphandle	Recipe	Create recipe in forms
Oracle Process Manufacturing Product Development	Recipe	Create_Validity_Rule	Recipe, SETUPCOMP	Create recipe validity rule in forms
Oracle Process Manufacturing Product Development	Recipe	Query_Recipe	Recipe Details	This component is used to query recipe detail.
Oracle Process Manufacturing Product Development	Recipe	Recipe_Chg_Status	Recipe, SETUPCOMP	Change recipe status in forms
Oracle Process Manufacturing Product Development	Recipe	Recipe_Plant_Lab	Recipe	Create plant laboratory in recipe in form

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Recipe	Recipe_Step_Mt l_Assoc_Header	Recipe	Click on Step Material Association in forms
Manufacturing Product Development				
Oracle Process	Recipe	Recipe_Step_Mt l_Assoc_Lines	Recipe	Creating recipe step material associate lines in forms
Manufacturing Product Development				
Oracle Process	Recipe	Verify_Recipe_Status	Recipe	Verification of Recipe Status in forms
Manufacturing Product Development				
Oracle Process	Recipe	Vr_Change_Status	Recipe, SETUPCOMP	Change status for validity rule in forms
Manufacturing Product Development				
Oracle Process	Routing	Create_Pr_Rout ings	Routing	Create process routing in forms
Manufacturing Product Development				
Oracle Process	Routing	Create_Pr_Rout ings_Steps	Routing	Create process routing steps in forms
Manufacturing Product Development				

Product	Feature	Component Name	Search Tags	Description
Oracle Process	Routing	Pr_Routings_Status	Routing	Change process routing status
Manufacturing Product Development	Setups	Add_Det_Status_Codes	SETUPCOMP, Status Codes	Create routing classes
Manufacturing Product Development	Setups	Add_Status_Codes_Hed	SETUPCOMP, Status Codes	Add destination status codes
Manufacturing Product Development	Setups	Define_Pro_Parameters	Process Parameters	
Manufacturing Product Development	Setups	Find_Pro_Parameters	Process Parameters	
Manufacturing Product Development	Setups	Prd_Dev_Parm_Crt_Upd_Tab_Frmla	Product Development Parameter, SETUPCOMP	Create or update formula tab in Product Development Parameter in forms

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process	Setups	Prd_Dev_Parm_Crt_Upd_Tab_Opern	Product Development Parameter, SETUPCOMP	Create or update operations under Product Development Parameter in forms
Oracle Process	Setups	Prd_Dev_Parm_Crt_Upd_Tab_Recipe	Product Development Parameter, SETUPCOMP	Create or update recipe under Product Development Parameter in forms
Oracle Process	Setups	Prd_Dev_Parm_Crt_Upd_Tab_Rutng	Product Development Parameter, SETUPCOMP	Create or update routing under Product Development Parameter in forms
Oracle Process	Setups	Prod_Dev_Parameters_Update	Product Development Parameter, SETUPCOMP	Updating Product Development Parameters in forms
Oracle Process	Setups	Recipe_Generation_Create	SETUPCOMP, Recipe Generation	Purge product parameters
Oracle Process	Setups	Recipe_Generation_Query	SETUPCOMP, Recipe Generation	Create recipe

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Oracle Process Manufacturing Product Development	Setups	Security_Profile_Line_Query	SETUPCOMP, Product Development Security Profile	Set org for security profile
Oracle Process Manufacturing Product Development	Setups	Security_Profile_Line_update	SETUPCOMP, Product Development Security Profile	Query security profile line
Process Quality Management	Creating Tests	Tests	Tests	
Process Quality Management	Creating Tests	Tests_Values	SETUPCOMP, Tests	Tests Values
Process Quality Management	Item Sample	Create_Com_Results	Sample Groups	
Process Quality Management	Item Sample	Dis_Sampling_Group	Find Sample Groups	
Process Quality Management	Item Sample	Results_Sample_Search	Find Sample	Sample search results

Product	Feature	Component Name	Search Tags	Description
Process Quality Management	Item Sample	Results_Test_Query	Item Sample	Test query results in forms
Process Quality Management	Item Sample	Sample_Results_Disposition	Test query results in forms	Sample results disposition
Process Quality Management	Master Item Specification	Change_Spec_Status	Specification, SETUPCOMP	Change specification status in forms
Process Quality Management	Master Item Specification	Copy_Specification	Specification, SETUPCOMP	Copy specification in forms
Process Quality Management	Master Item Specification	Create_Spec_Header	Specification, SETUPCOMP	Create specification header part in forms
Process Quality Management	Master Item Specification	Create_Spec_Line	Specification, SETUPCOMP	Create specification lines part in forms
Process Quality Management	Master Item Specification	Create_Validity_Rule_Cust	Specification, SETUPCOMP	Create specification validity rule for customer in forms
Process Quality Management	Master Item Specification	Create_Validity_Rule_Inv	Specification, SETUPCOMP	Create specification validity rule for inventory in forms

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Process Quality Management	Master Item Specification	Create_Validity_Rule_Sup	Specification, SETUPCOMP	Create specification validity rule for supplier in forms
Process Quality Management	Master Item Specification	Create_Validity_Rule_Wip	Specification, SETUPCOMP	Create specification validity rule for WIP in forms
Process Quality Management	Master Item Specification	Query_Spec_Header	Specification, SETUPCOMP	Query specification header in forms
Process Quality Management	Master Item Specification	Query_Spec_Va lidity_Rule	Specification, SETUPCOMP	Query specification validity rule in forms
Process Quality Management	Master Item Specification	Spec_Validity_Rule_Status	Quality Change Status, SETUPCOMP	Change Specification Validity Rule Status in forms
Process Quality Management	Master Item Specification	Specification_C omparison	Find Sample, SETUPCOMP	Item Specification Comparison
Process Quality Management	Results Dispositio n	Crt_Item_Sampl e_Res_Set_Flex	Result	To Enter values in Descriptive Flex Fields in Item Sample Results window
Process Quality Management	Results Dispositio n	Item_Sample_C hange_Displ	Item Sample	Change Disposition in Item Sample form

<b>Product</b>	<b>Feature</b>	<b>Component Name</b>	<b>Search Tags</b>	<b>Description</b>
Process Quality Management	Results Disposition	Item_Sample_Customer_Cr	Item Sample	Create customer item sample in forms
Process Quality Management	Results Disposition	Item_Sample_Inventory_Cr	Item Sample	Create inventory item sample in forms
Process Quality Management	Results Disposition	Item_Sample_Supplier_Cr	Item Sample	Create supplier item sample in forms
Process Quality Management	Results Disposition	Item_Sample_WIP_Cr	Item Sample	Create WIP item sample in forms
Process Quality Management	Results Disposition	Query_Item_Sample_Inventory	Item Sample	Query inventory item sample in forms
Process Quality Management	Setups	Notification_Details	Notification Details, SETUPCOMP	Notification Details
Process Quality Management	Setups	Samp_Plan_Create_Update	Sampling plan, SETUPCOMP	Create or update sampling plan in forms
Process Quality Management	Setups	Test_Classes	Test Classes, SETUPCOMP	Test Classes

Product	Feature	Component Name	Search Tags	Description
Process Quality Management	Setups	Test_Units	Test Units, SETUPCOMP	Test Units