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Preface

This preface introduces information sources that can help you use the application.

Oracle Applications Help

Use the help icon ? to access Oracle Applications Help in the application. If you don’t see any help icons on your page, click the Show Help icon ? in the global header. Not all pages have help icons. You can also access Oracle Applications Help at https://fusionhelp.oracle.com.

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1 About This Guide

Purpose and Scope

This guide describes the use of simplified setups as a basis to help you with a conference room pilot or a similar exercise that includes primarily a manufacturing business process.

About the Conference Room Pilot Implementation

As part of the conference room pilot exercise used in this guide, you implement a subset of features involving Manufacturing, Materials Management and Cost Accounting that are part of the Manufacturing and Supply Chain Materials Management (MSCMM) Offering. After you finish the minimum set of setup tasks listed, you are ready to perform the following:

- Define items.
- Define a basic item structure.
- Define basic costs for material and resources.
- Complete your first manufacturing work order transaction.

Scope of This Guide

This Quick Start guide covers the steps required to help you complete a simple work order and do the costing for the work order completion transaction.

This guide does not include all the tasks that are required for a full implementation of the MSCMM offering. It does not include all setup and security tasks that are appropriate for a complete implementation.

References and Help

This guide has references to other guides wherever required. You can access help from the Oracle Fusion Applications Help portal or from the Oracle Cloud Documentation Library, unless specified otherwise.

For more information about the full implementation of an offering and implementing advanced features within the offering, see Oracle SCM Cloud Implementing Manufacturing and Supply Chain Materials Management guide.

For more information about subscribing to an Oracle Cloud Service trial, see Getting Started with Oracle Cloud guide.
How to Use This Guide

This section explains the prerequisites and other details in this guide.

Prerequisites

Before performing the setups described in this guide, you must set up the common enterprise structure objects. If you have already implemented Oracle Financials Cloud on your instance, then your enterprise structure setup is complete.

For more information, see the Implementing Common Features for Oracle SCM Cloud guide and the Oracle Financials Cloud Implementing Common Features guide.

Assumptions

The tasks described in this guide assume you have a valid user name and password to sign in to the application and access the work areas.

Optional Implementation

Implementing Oracle Fusion Product Hub is optional for the purpose of the conference room pilot exercise described in this guide. If you are also implementing Oracle Fusion Product Hub, you may have to implement item class security. For more information, see the Implementing Product Hub guide.
2 Getting Started With Your Implementation

SCM Deployment Options: Overview

You can rapidly deploy the Oracle Fusion Supply Chain Management (SCM) functionality through the following deployment options:

Public Cloud

Services are available to the general public and offered on a subscription basis, with no requirements to buy additional licenses or support. The services are hosted over the Internet by Oracle or Oracle business partners that offer business process outsourcing solutions.

Private Cloud

Application and technology-managed services that are offered for Oracle software and hardware and are available internally, behind a firewall and are hosted over the Internet by Oracle or Oracle business partners that offer BPO solutions. Oracle provides management, monitoring, patching, security, and upgrade services.

On Premises

Hardware, software licenses, and support that you buy and host at one or more of your sites. You are responsible for monitoring, security, patching, and upgrades.

Hybrid

You can maintain your existing legacy applications on premise and buy products that are hosted in private or public cloud, or any combination of these options.
3 Using the Setup and Maintenance Work Area

Accessing the Setup and Maintenance Work Area

To start your implementation of the Manufacturing and Supply Chain Materials Management (MSCMM) offering, you must first sign in to the application and navigate to the Setup and Maintenance work area.

To do this:

1. Go to the Oracle Cloud Applications URL and sign in with the user name and password provided by the applications system administrator.
2. On the Welcome page, navigate to the Setup and Maintenance work area.
3. You can access the Setup and Maintenance work area in three ways:
   a. Select the Setup and Maintenance work area from the Navigator main page. To do this:
      i. Click the Navigator icon and select Setup and Maintenance.
   b. Click the Setup and Maintenance icon on the Main page.
The following figure shows a partial view of the home page with the Setup and Maintenance icon.

c. Click the Profile icon on the Main page and select Administration > Setup and Maintenance...
Enabling a Functional Area for Implementation

To start with the implementation of the MSCMM offering, you must enable the Shipping and Manufacturing functional areas.

Enabling Functional Areas

The steps to enable the functional areas are:

1. On the Setup and Maintenance page, select **Actions > Change Configuration** from the Administration pane.

   OR

   In the Setup and Maintenance page, click the **Setup** button in the Administration region. On the Setup: Manufacturing and Supply Chain Materials Management page, click **Change Configuration** in the Functional Areas region.
2. On the Configure: Manufacturing and Supply Chain Materials Management page, select **Enable for Implementation** for the following functional areas under **Manufacturing and Supply Chain Materials Management**:
   - a. Shipping
   - b. Manufacturing

3. Click **Done**.

**Provisioning Roles to the Implementation User**

Ensure that the user has the following roles:

- Cost Accountant
- Employee
- Inventory Manager
- Product Data Steward
- Manufacturing Engineer
- Production Operator
- Production Supervisor
- Warehouse Manager

For more information about using the Application Security Console, see the Oracle SCM Cloud: Securing Oracle SCM Cloud guide.

**Creating SCM Application Implementation Consultant User**

You can create different users for deployment and testing of the product. For the purpose of the conference room pilot implementation described in this guide, you can optionally create an SCM Application Implementation Consultant user.

For more information about the SCM Application Implementation Consultant user, see the SCM Cloud: Implementing Common Features for Oracle SCM Cloud guide.

**Administering Additional Application Users and Roles**

You can optionally create users such as manufacturing engineer, production operator, and production supervisor and assign roles. The steps are:

1. Create an SCM Application Implementation Consultant user (optional)
2. Assign the following roles to Manufacturing Engineer user:
   - a. Cost Accountant
   - b. Employee
   - c. Inventory Manager
   - d. Manufacturing Engineer
3. Assign the following roles to the Production Operator user:
   a. Employee
   b. Production Operator

4. Assign the following roles to the Production Supervisor user:
   a. Employee
   b. Production Operator
   c. Production Supervisor

Manage Data Access for Users

The Manage Data Access for Users setup task enables data security that is implemented in the Oracle Fusion Manufacturing, Oracle Fusion Inventory and Oracle Fusion Costing products within SCM. This task ensures that users have access to the data within these products. You can grant access by user name or role.

For more information, see the SCM Cloud: Implementing Common Features for Oracle SCM Cloud guide.

Note: This task or feature is not applicable in an upgraded environment. It appears only if the MSCMM implementation is a new installation.

Enabling Data Access

To enable data access for users in a new installation:

1. Select the Facilities functional area.
2. Select Manage Inventory Organization Data Access for Users and click Create.
3. Add a new row for your user name.
4. Select the following:
   a. Role: Production Supervisor
   b. Security Context: Manufacturing Plant
   c. Security Context Value: The new organization you create using Quick Setup
5. Repeat the previous steps to add the following roles:
   a. Production Operator
   b. Manufacturing Engineer
6. Click Save and Close.
7. Define data security for the following security contexts in a discrete manufacturing setting:
   a. Cost Organization (Role: Cost Accountant)
   b. Inventory Organization (Role: Inventory Manager)

Note: You can copy rows.

8. Click Done when you are finished.
4 Setting up Inventory Organization and Manufacturing Organization

Creating Locations

A location identifies the physical address of a plant. You must associate a location with inventory and manufacturing organizations. The locations that you create exist as separate structures that you can use for reporting.

The steps to create locations are:

1. Sign in to the Setup and Maintenance work area and select Manufacturing and Supply Chain Materials Management.
2. Click Setup.
3. Select the Enterprise Profile functional area.
4. In the Enterprise Profile region, in the Show list of values, select All Tasks.
The following figure shows the Manage Locations link in the Enterprise Profile region.

5. Click **Manage Locations** and click the **Create** icon (Plus icon) in the Results in Table region.

6. On the Create Location page, enter information in the following fields:
   - Effective Start Date
   - Location Set
   - Name
   - Code
   - Status
   - Country
   - Address Line 1
   - City
   - State
ZIP Code

When you enter the Pin Code, the City, State, and County are populated automatically. Also, the name of the field changes based on the country you select. It can appear as ZIP Code, Postal Code, Pin Code and so on.

County

7. Click Submit and click Yes to confirm that you want to continue with the request.
8. Click OK.
9. On the Manage Locations page, click Done to return to the Setup and Maintenance work area.

Setting up a Business Unit as a Profit Center

To indicate that a business unit is a profit center, select the Primary Ledger check box in the Financial Reporting region in the Assign Business Functions page.

To do this:

1. On the Setup and Maintenance work area, select the Manufacturing and Supply Chain Materials Management offering, if it is not already selected.
2. Click Setup.
4. In the Organization Structures region, click Manage Business Unit.
5. On the Manage Business Units page, select your business unit.
6. Click Actions and then select Assign Business Functions.
7. On the Assign Business Functions page, select the check box in the Enabled column for Materials Management.
The following figure shows the Assign Business Functions region with Materials Management enabled.

### Assign Business Functions: ANBU3

#### Business Unit Functions
Select all business functions that this business unit will perform.

<table>
<thead>
<tr>
<th>Name</th>
<th>Enabled</th>
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<tbody>
<tr>
<td>Billing and Revenue Management</td>
<td></td>
</tr>
<tr>
<td>Customer Payments</td>
<td></td>
</tr>
<tr>
<td>Requisitioning</td>
<td></td>
</tr>
<tr>
<td>Collections Management</td>
<td></td>
</tr>
<tr>
<td>Customer Contract Management</td>
<td></td>
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<tr>
<td>Expense Management</td>
<td></td>
</tr>
<tr>
<td>Incentive Compensation</td>
<td></td>
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<tr>
<td>Materials Management</td>
<td>✔️</td>
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<tr>
<td>Payables Invoicing</td>
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8. In the Financial Reporting region, select the **Below legal entity** check box located below the **Primary Ledger** field.
The following figure shows the Financial Reporting area, with the Below legal entity check box enabled.

### Financial Reporting

Select the primary ledger and default legal entity for the business function you chose so that:

- **Primary Ledger**: Visit
- **Below legal entity**: Indicate that the business unit is a profit center and it operates under one legal entity
- **Legal Entity**: Vision Operations

Selecting this check box indicates that the business unit is a profit center.

### Using Quick Setup

The Manage SCM Common Components Quick Setup defines the required and common tasks in the following functional areas:

- Facilities
- Items
- Inventory Management
- Receiving
- Manufacturing Master Data

### Setting up the Facilities Functional Area Using Quick Setup

To complete some of the steps in this guide, you can use the Quick Setup or simplified setup functionality. Click the Quick Setup icon (gear icon) that appears in the functional area. The steps to select Quick Setup to set up the facilities functional area are:

1. On the Setup and Maintenance work area, select the **Manufacturing and Supply Chain Materials Management** offering, if it is not already selected.
2. Click **Setup**.
3. On the Setup: Manufacturing and Supply Chain Materials Management page, click the **Quick Setup** icon in the Facilities functional area.
The following figure shows the Quick Setup (gear) icon in the Facilities functional area.

4. Using Quick Setup, you can define the following:

   a. Calendar
   b. Units of Measure
   c. Inventory Organization

5. In the Set Up SCM Common Components: Calendar page, select an existing calendar, or create a new one. Click Next.

6. In the Set Up SCM Common Components: Units of Measure page, select Unit of Measures classes, and click Next.

7. In the Set Up SCM Common Components: Inventory Organizations page, enter the required details

   a. In the Create Inventory Organizations region. Select Manufacturing from the Additional Usage drop-down list, if the organization is also a manufacturing plant.

   ✍️ Note: You can repeat this task to define additional organizations at any time.

**Associating Profit Center Business Units with the Inventory Organization**

You must associate a profit center business unit with the inventory organization that you created. The profit center business unit is used as a search parameter when implementing Oracle Fusion Cost Management.

The steps to associate a profit center business unit are:

1. On the Setup and Maintenance work area, select the Manufacturing and Supply Chain Materials Management offering, if it is not already selected.

2. Click Setup.


4. In the Facilities region, click the Manage Inventory Organizations task.

5. On the Manage Inventory Organizations page, search for the Inventory Organization that you created.

6. Click the Edit pencil icon in the Search Results region.

7. If the Profit Center Business Unit field is blank, click Cancel and go to the Assign Business Unit Business Function task and ensure that the Below Legal Entity check box is selected.

8. Click Next and then click Save and Close.

9. Click Done.
Defining Items and Item Structures

Defining the master data for Oracle Fusion Manufacturing includes creating items and item structures. You can:

1. Assign items and structures to your new manufacturing plant.
2. Create a work definition, which provides a template for work order execution.
3. Create Items.

You can either manually create purchased and finished goods items or import items. To create items, you must open the Product Information Management page. You cannot do this through the Setup and Maintenance work area.

Creating Items Manually

The steps to create an item manually are:

1. On the Home page, select Product Management and then Product Information Management.
2. Click the Tasks tab, and select Create Item.
3. In the Create Item dialog box, provide values for the following fields:
   a. Organization
   b. Number of Items
   c. Item Class
4. Select the appropriate item template, from the Available List and click the > button to move it to the Selected List.
5. Click OK.

For more information, see the Oracle SCM Cloud Using Product Master Data Management guide.

Creating Item Structures Manually

An item structure defines the items that make up a finished good. A structure is not required to create a work definition, but a structure is generally in place.

For more information, see the Oracle SCM Cloud Using Product Master Data Management guide.

The steps to create item structures manually are:

1. On the Home page, select Product Management and then Product Information Management.
2. Click the Tasks tab, and select Manage Items.
3. On the Manage Items tab, find an item using Advanced Search.
4. Select an item from the Search Results region.
5. On the Edit Item page, click the Structures tab.
6. Click the Plus icon.
7. In the Create New Item Structure window, select a structure Name, and select Date in the Effectivity Control field.
8. Click Apply and Add Details.
9. In the Item Structure Details region of the Edit Item Structure page, search component items to associate with the structure.
10. Click Done.
11. On the Edit Item tab, select Save and Close from the Save drop-down list.
Assigning Items and Structure to an Organization

Items are generally created in a master organization and then assigned to a manufacturing plant.

You can assign items and structures manually or by making mass changes with a batch program that you access on the Manage Items tab. The steps to assign items and structure to an organization are:

1. On the Home page, select Product Management and then Product Information Management.
2. Click the Tasks tab, and select Manage Items.
3. In the Manage Items window, find and select an item, but do not click the item number. If an item has a structure, then you can move the structure too.
4. Click Actions and select Manage Item Mass Changes.
5. Select Assign to Organizations.
6. In the Organizations region of the Assign Items to Organizations window, click the Select and Add icon.
7. In the Select and Add: Organizations window, search for and select an organization.
8. Click Apply and then Done.
9. In the Assign Items to Organizations window, click OK.
10. In the Process Details dialog box, click Submit.
11. To view your submission, click Navigator > > Scheduled Processes.

Creating Additional Work Areas, Resources, and Work Centers

Work areas, work centers, and resources define labor and equipment that you will use on the work definition and work order. The steps are:

1. From the Home page, select Manufacturing.
2. Click Work Definition.
3. Click the Change Organization button on the Overview page under the following scenarios:
   a. The Manufacturing Organization you created using simplified setup does not appear as a default organization.
   b. There are more than one manufacturing organizations.
4. The Tasks pane on the Overview page contains links for executing several manufacturing tasks.
5. Select Manage Resources, Manage Work Centers or Manage Work Areas to add or edit additional resources, work centers, or work areas as you require.

Setting Up Shipping Parameters

Shipping parameters impact the way a shipment is created and confirmed, and how Oracle Fusion Shipping interacts with Oracle Fusion Inventory Management.

To set up shipping parameters:

1. On the Setup and Maintenance work area, select the Manufacturing and Supply Chain Materials Management offering, if it is not already selected.
2. Click Setup.

4. In the Shipping region that appears, select All Tasks from the Show List of Values field.

5. Click Manage Shipping Parameters.

6. In the Select Organization dialog box, select the organization that you just created and click OK.

**Note:** Click Search to search for the organization.

7. Provide the required values to set up the shipping parameters.

8. Click Save and Close.
5 Setting up Cost Accounting

Setting up Cost Accounting Using Quick Setup

You can set up Cost Accounting using the Configure Cost Accounting Using Quick Setup page.

The steps are:

1. On the Setup and Maintenance work area, select the *Manufacturing and Supply Chain Materials Management* offering, if it is not already selected.
2. Click *Setup*.
3. On the Setup: Manufacturing and Supply Chain Materials Management page, click the *Quick Setup* icon for Cost Accounting.

The following figure shows the Quick Setup (Gear) icon for Cost Accounting.

4. On the Configure Cost Accounting Using Quick Setup page, click the *Query by Example* icon.

The first icon in the following figure shows the Query by Example icon.

5. Search by Profit Center Business Unit for the business unit that is associated with the inventory organization that you just created.
6. Enter a cost organization code, cost organization name, and cost method.

   ✏️ Note: The cost organization name must be lesser than 18 characters.

7. Select the row with the cost information you just entered, and click *Implement*.
8. Click *Yes* in the message that appears.
9. Click *OK* when a message to confirm implementation appears.
10. Open *Setup Tasks* under *Implementation Details* to confirm setup.
11. Click *Done* to sign out of the Configure Cost Accounting Using Quick Setup page.

This setup results in the following starting points in the cost management business processes:

- All prerequisite setups to start the cost planning process.
• All prerequisite setups completed to start cost processing of inventory transactions. Users can configure the Create Cost Accounting Distributions Run Control, open the cost accounting period, and begin processing.

List of Setup Tasks Created

The following setup tasks are created when you successfully complete an implementation:

• Manage Cost Organization
• Manage Cost Book
• Manage Cost Organization Relationship
• Manage Cost Element
• Manage Cost Component
• Manage Cost Component Mapping
• Manage Valuation Structures
• Manage Cost Profiles
• Manage Default Cost Profiles

Note: Once the quick setup process runs, you can review the setups and update them before the users start using the application. Once there are transactions, these setups cannot be changed.
6 Defining Costing Master Data

Defining Costing Master Data and Rolling up Costs

This procedure shows the steps to define the standard cost for material and resources and then create a cost scenario to roll up the cost of a finished good.

If you are using Actual or Average Cost Methods, you need not set up standard costs for materials. In this case, define a scenario, set up resource costs, and perform a cost update.

Creating Cost Scenarios

Use a cost scenario to define the cost scope for cost organization and cost book combinations.

The steps to create cost scenarios are:

1. From the Home page, click **Costing**.
2. Click **Cost Accounting**.
3. On the Cost Accounting tab, select the Tasks tab.
4. Click **Manage Cost Scenarios** under **Cost and Profit Planning**.
5. On the Manage Cost Scenarios page, click the **Create** icon in the Search Results region.
6. On the Create Cost Scenario page, enter or select values for the following fields:
   - Scenario
   - Cost Organization
   - Cost Book
   - Effective As-of Date
   - Scenario Type
7. Click **Save and Close**.
8. Click **Done**.

Creating Standard Costs

The steps to create standard costs are:

1. From the Home page, click **Costing**.
2. Click **Cost Accounting**.
3. On the Cost Accounting tab, select the Tasks tab.
4. Click **Manage Standard Costs** under **Cost and Profit Planning**.
5. On the Manage Standard Costs page, click the **Create** icon in the Search Results region.
6. On the Create Standard Cost page, select the following:
   - Cost scenario that you created earlier
   - Item
   - Valuation Unit
7. In the Standard Cost Details region, select the following:
   - Cost Element
   - Cost Element Type
   - Unit Cost

8. Select **Save and Close** from the **Save** drop down list.
9. Click **Done**.

### Creating Resource Rates

The steps to create resource rates are:

1. From the Home page, click **Costing**.
2. Click **Cost Accounting**.
3. On the Cost Accounting tab, select the Tasks pane.
4. Click **Manage Resource Rates** under **Cost and Profit Planning**.
5. On the Manage Resource Rates page, click the **Create** icon in the Search Results region.
6. On the Create Resource Rate page, enter the following:
   - Scenario. Select the cost scenario that you had created earlier.
   - Plant
   - Resource
7. Select the **Create** or the **Plus** icon in the Details region.
8. Select the following:
   - Cost Element
   - Expense Pool
   - Rate
9. Select **Save and Close** from the **Save** drop-down list.
10. Click **Done**.

### Rolling up Costs

You must roll up costs for the cost scenario that you had created earlier. The steps are:

1. From the Home page, click **Costing**.
2. Click **Cost Accounting**.
3. On the Cost Accounting tab, select the Tasks pane.
4. Click **Manage Cost Scenarios**.
5. Search for the cost scenario that you had created earlier.
6. On the View Cost Scenario page, select **Roll up Costs** from the **Actions** menu.
7. On the Roll up Costs page, select the **Notify me when this process ends** check box.
8. Click **Submit**.
9. Click **OK** in the Confirmation dialog box that appears.
10. Click **Done**.

Run the **Update Costs** process from the **Actions** menu to publish all these costs to Cost Accounting.
Creating Overhead Rates

Creating overhead rates is an optional step while defining the Costing master data for the Conference Room pilot described in this guide.

The steps to create overhead rates are:

1. From the Home page, click **Costing**.
2. Click **Cost Accounting**.
3. On the Cost Accounting tab, select the Tasks tab.
4. Click **Manage Overhead Rates** under **Cost and Profit Planning**.
5. In the Manage Overhead Rates page, click the **Create** icon in the Search Results region.
6. In the Create Overhead Rate page, enter or select values in the following fields:
   - Scenario. Select the scenario that you had created earlier.
   - Plant
   - Overhead Rate Type
7. In the Overhead Rates region, click the **Plus** icon to add a new row
8. Select a value in the following fields:
   - Cost Element
   - Expense Pool
   - Rate (%)
9. Select **Save and Close** from the **Save** drop-down list.
10. Click **Done**.

Related Topics

- **Cost Planning Process: Explained**
7 Executing Your First Work Order

Executing Work Orders

This chapter describes how you can combine all the tasks described in the previous chapters and create your first manufacturing work order. The two types of work orders are:

- **Standard**: References a work definition.
- **Nonstandard**: Does not reference a work definition.

Creating a Work Order

The steps to create a work order are:

1. From the Home page, select **Manufacturing**.
2. Select **Work Execution**.
3. On the Overview page, under **Tasks**, select **Manage Work Orders**.
4. On the Manage Work Orders tab, click the **Create** icon.
5. In the Create Standard Work Orders window, enter or select values in the following fields:
   a. Item
   b. Quantity
   c. Start Date
6. Click **Save and Close**.
7. From the Manage Work Orders tab, select your work order, but do not click the work order number.
8. Click **Release**.

Executing a Work Order

Before you execute a work order, ensure that there is sufficient on-hand balance for the components involved. Oracle Fusion Inventory Management provides various ways to achieve an on-hand balance such as using a miscellaneous receipt.

The steps to execute a work order are:

1. Under **Tasks**, select **Review Dispatch List**.
2. On the Review Dispatch List tab, click the **Expand** icon.
3. Click **Quick Complete**.

   For more information, see the Oracle SCM Cloud Using Manufacturing guide.
4. Click **Done**.
Running Scheduled Processes for the Costing Work Order

You must run the following scheduled processes:

- **Transfer Transactions from Production to Costing**: Available in Manufacturing Work Execution.
- **Transfer Transactions from Inventory to Costing**: Available from Scheduled Processes.
- **Create Cost Accounting Distributions**: Available from Cost Accounting.