Chapter 07: Warehouse Management (WM)

Exercise 07-01: WM Master Data

Multiple Company Code

Version 4.15

Revised 01/14/2016

Introduction

General Notes and Information

It is strongly recommended that you read through the entire exercise prior to starting. Not all instructions can be provided in a linear manner in the exercise itself. READ CAREFULLY!

The following symbols are used to indicate important information as described below.

* An arrow highlights an important instruction that must not be overlooked.

🖉 A pencil prompts you to write down an important piece of information.

Each student or group will be assigned a unique two-digit identifier. This identifier is used in all exercises. Whenever you see ##, replace it with your identifier. For example, Joe may have an identifier of 05. Every time Joe sees the ## symbol, he will replace it with “05”.

**Differences in Font**:Throughout this exercise you will see tables with different fonts used in the Data Entry column(s). The normal Times New Roman indicates you enter exactly what is typed out except for the ## Symbol where you would put in your identifier. The italicized *Times New Roman* font indicates the data is looked up, found, or otherwise not to be entered literally as written.

* Always work with your data.
* Provide both the code and its description in your answers. The questions are designed for you to locate the code but also understand the meaning

Business Process Overview

This exercise will show you how to view your material inventory using two different methods. The first method is inventory management and the second is warehouse management. The way inventory is tracked and reported is different depending on the method used.

Exercise Prerequisites

Chapter 04-01 Version MCC 4.10

Exercise Workflow

Exercise Deliverables

Deliverables are consolidated into one worksheet at the end of the exercise. It is only necessary to turn in that worksheet and that worksheet alone along with data in the system if required.

For this exercise you will need the following deliverables:

In the System:

* Trading Good Extended
* Finished Good Created
* Pricing Conditions Created
* Vendor Created
* Customer Created

On Paper:

* Answer(s) to Question(s)
* You may be assigned additional deliverables. Make certain to check with your instructor.

Step 1: Extend Material Master

In this step, you extend the views of two materials to include another plant and warehouse. The road helmet will be extended into San Diego and will thus need a warehouse view added on to its material master. The off road bike will be created for Dallas AND San Diego. You will also sell these materials so pricing conditions must be defined later on within the exercise.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Material Master 🡪 Material 🡪 Create (General) 🡪 Immediately

1. What is the transaction code to create a general material immediately? MM01 🖉
2. What is the transaction code to change a material immediately? MM02 🖉
3. What is the transaction code to display a current material? MM03 🖉
4. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Road Helmet |
| Industry Sector | Retail |
| Material Type | Trading Goods |
| Copy from…Material | Original Road Helmet |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, click on the “Deselect All” icon.
3. Highlight the “Basic Data 1” row.

* Remember that by selecting the “Basic Data 1” row (because it is already created in the first place) doesn’t necessarily create the view but yet, keeps it in the default to display the material to answer some of the questions at the end of this step for the chart.

1. Highlight the “Sales: Sales Org. Data 1” row.
2. Highlight the “Sales: General/Plant Data” row.
3. Highlight the “Purchasing” row.
4. Highlight the “Warehouse Management 1” row.
5. Highlight the “Accounting 1” row.
6. Click on  (SAVE AS DEFAULT VALUES).

* The first time you go through the above step, clicking on this default icon will save these selections as defaults so that they will automatically be selected the next time through.

1. Click on .
2. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Plant | Your DC San Diego Plant |
| Sales Org. | Your US West |
| Distr. Channel | *Wholesale* |
| Warehouse No. | Your San Diego Warehouse |
| Storage Type | *Shelf Storage* |
| Copy from Plant | *Original DC San Diego Plant* |
| Copy from Sales Org. | *Original US West* |
| Copy from Distr. Channel | *Wholesale* |
| Copy from Warehouse No. | *Original San Diego Warehouse* |
| Copy from Storage Type | *Shelf Storage* |

1. Click on  (SAVE AS DEFAULT VALUES).

* The first time you go through the above step, clicking on this default icon will save these selections as defaults so that they will automatically be selected the next time through.

1. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
2. You are in the “Create Material RHMT10## (Trading Goods)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Delivering Plant | Your DC San Diego Plant |

1. Click on  (ENTER) until you reach the “Purchasing” tab.
2. Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Purchasing Group | Your GBI Buyer |

1. Click on  (ENTER) until you reach the last tab.
2. Click on  (ENTER).
3. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material RHMT10## created”.

* Hint: You may need to “Display” your material for reference to answer the following.

1. What is the gross weight of your road helmet? 10 OUNCES 🖉
2. What is the material group for your road helmet? SAFETY GEAR 🖉
3. What is the moving average price for your road helmet? 25.00 🖉
4. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | ORMN10## |
| Industry Sector | *Mechanical engineering* |
| Material Type | *Finished Product* |
| Copy from…Material | *Original Men’s Off Road Bike* |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, click on the  icon.
3. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Storage Type | *Pallet Storage* |
| Copy from Storage Type | *Pallet Storage* |

1. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
2. You are in the “Create Material ORMN10## (Finished Product)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| (material description at the top) | ## Men’s Off Road Bike |
| Delivering Plant | Your DC San Diego Plant |

1. Click on  (ENTER) until you reach the last tab.
2. Click on  (ENTER).
3. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material ORMN10## created”.

* Hint: You may need to “Display” your material for reference to answer the following. Also make sure to select pallet storage if necessary.

1. What is the gross weight of your men’s off road bike? 9,460 GRAMS 🖉
2. What is the material group for your men’s off road bike? FINISHED BIKES 🖉
3. What is the moving average price for your men’s off road bike? 0.00 🖉
4. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Men’s Off Road Bike |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, deselect the “Sales: Sales Org. Data 1” row.
3. Deselect the “Sales: General/Plant Data” row.
4. Deselect the “Warehouse Management 1”.
5. Highlight the “MRP 1” row.
6. Highlight the “Work Scheduling” row.
7. Highlight the “General Plant / Storage 1” row.
8. Highlight the “Costing 1” row.
9. Click on .
10. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Plant | Your Dallas Plant |
| Stor. Location | Your Finished Goods |
| Copy from Plant | *Original Dallas Plant* |
| Copy from Stor. Location | *Original Finished Goods* |

1. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
2. You are in the “Create Material ORMN10## (Finished Product)” screen

Click on  (ENTER) until you reach the last tab.

1. Click on  (ENTER).
2. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material ORMN10## created”.

Exercise Deliverables

In the System:

* Trading Good Extended
* Finished Good Created

On Paper:

* Answer(s) to Question(s)

Step 2: Create Pricing Conditions

In this step, you assign a selling price to all your materials. Notice that the selling prices are different from the moving average prices within your material master data as this is selling.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Sales and Distribution 🡪 Master Data 🡪 Conditions 🡪 Create

1. What is the transaction code to create material prices for customers? VK31 🖉
2. In the “Create Conditions Records” screen, follow the navigation path below:

Navigation

Prices 🡪 Material Prices

1. You are in the “Create Condition Records: Overview” screen.

Double-click on CnTy SOrg. DChl Material.

1. You are in the “Create Condition Records: Fast Entry” screen.

Enter the following information:

|  |  |
| --- | --- |
| Condition | Material |
| Sales Organization | Your US West |
| Distribution Channel | Wholesale |

1. In the “Fast Entry” screen, enter the following information:

|  |  |  |  |
| --- | --- | --- | --- |
| Condition | Material | Amt. | Unit |
| Price | Your Men’s Off Road Bike | 2400 | United States Dollar |
| Price | Your Road Helmet | 50 | United States Dollar |

1. Click on  (SAVE).

You will receive a message that says “Condition records saved”.

Exercise Deliverables:

In the System:

* Pricing Conditions Created

On Paper:

* Answer(s) to Question(s)

Step 3: Create Vendor

In this step, you will now create your vendor to procure from later in the exercise.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Purchasing 🡪 Master Data 🡪 Vendor 🡪 Central 🡪 Create

1. What is the transaction code to create the vendor? XK01 🖉
2. What is the transaction code to display the vendor? XK03 🖉
3. What is the transaction code to change the vendor? XK02 🖉
4. In the “Create Vendor: Initial Screen” screen, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Vendor | 1090## |
| Company Code | Your Global Bike Inc. |
| PurchasingOrganization | Your GBI, Purchasing |
| Account group | *Vendor (int.number assgnmnt)* |
| Reference Vendor | *Original Green Blazers Seats* |
| Company code | *Original Global Bike Inc.* |
| Reference PurchasingOrganization | *GBI US* |

1. Click on  (ENTER).
2. In the “Create Vendor: Accounting information Accounting” screen, click on the  icon. You will receive a message that says “Vendor 00001090## has been created for company code US## purchasing organization US##”.

* Recall how to display this vendor from answering previous questions within this step. Use the display transaction to answer the following five questions referring to vendor data that you just copied from the original vendor within the system for the rest of the step.

1. What is the postal code for this vendor? 97223 🖉
2. What is the reconciliation account number for this vendor? 300000 🖉
3. What are the payment terms? PAYABLE IMMEDIATELY DUE NET 🖉
4. What is the order currency? USD 🖉
5. What is minimum order value? 0.00 🖉

Exercise Deliverables:

In the System:

* Vendor Created

On Paper:

* Answer(s) to Question(s)

Step 4: Create Customer

In this step, you create yourcustomer to sell to later in the exercise. However, you will create customers in two different sales areas. If you recall from the fulfillment chapter, each sales area consists of a sales organization, a distribution channel, and a division.

You will sell both accessories (Road Helmet) and bikes (Men’s Off Road Bike) which will require you to define customers in both the accessory division AND bike division. However, the sales organization and the distribution channels will remain the same for both materials.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Sales and Distribution 🡪 Master Data 🡪 Business Partner 🡪 Customer 🡪 Create 🡪 Complete

1. What is the transaction code to create the customer? XD01 🖉
2. What is the transaction code to display the customer? XD03 🖉
3. What is the transaction code to change the customer? XD02 🖉
4. You are in the “Customer Create: Initial Screen” pop-up.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Account group | *Sold-to party* |
| Customer | 90## |
| Company Code | Your Global Bike Inc. |
| Sales organization | Your US West |
| Distribution channel | *Wholesale* |
| Division | *Accessories* |
| Reference Customer | *Original SoCal Bikes* |
| Reference Company Code | *Original Global Bike Inc.* |
| Reference Sales organization | *Original US West* |
| Reference Distribution channel | *Wholesale* |
| Reference division | *Accessories* |

1. Click on  (CONTINUE (ENTER)).
2. You are in the “Create Customer: Company Code Data” screen.

Click on the “Sales Area Data” icon.

1. You are in the “Create Customer: Sales Area Data” screen.

Click on the “Shipping” tab.

1. Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Delivering Plant | Your DC San Diego Plant |

1. Click on the “Company Code Data” icon.
2. What is the reconciliation account name? TRADE ACCOUNTS RECEIVABLES 🖉
3. Click on the “Payment Transactions” tab.
4. What is your customer’s payment block setting? FREE FOR PAYMENT 🖉
5. Click on the “Sales Area Data” icon.
6. What is your customer’s pricing procedure? STANDARD 🖉
7. Click on the “Shipping” tab.
8. What is your customer’s delivery priority? NORMAL ITEM 🖉
9. Click on the “Billing Documents” tab.
10. What is your customer’s incoterms? FREE ON BOARD 🖉
11. Click on  (SAVE).

You will receive a message that says “Customer 90## has been created”.

1. You are in the “Customer Create: Initial Screen” pop-up.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Customer | Your SoCal Bikes |
| Division | *Bicycles (BI)* |
| Reference division | *Bicycles (BI)* |

1. Click on  (CONTINUE (ENTER)).
2. You are in the “Create Customer: Sales Area Data” screen.

Click on the “Shipping” tab.

1. Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Delivering Plant | Your DC San Diego Plant |

1. Click on  (SAVE).

You will receive a message that says “Customer 90## has been created”.

Exercise Deliverables:

In the System:

* Customer Created

On Paper:

* Answer(s) to Question(s)

Step 5: View Material Inventory

In this step, you review the inventory balance for a trading good before it goes into storage. Note that this process can also be used to review the inventory balance of semifinished goods and finished goods. The perspective for this step is inventory management.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Environment 🡪 Stock 🡪 Warehouse Stock

1. What is the transaction code to display a material’s inventory level? MB52 🖉
2. You are in the “Display Warehouse Stocks of Material” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Road Helmets |
| Plant | Your DC San Diego Plant |
| Storage Location | Your Trading Goods |

1. Click on  (EXECUTE).
2. How many of your helmets are there in inventory? 0 🖉
3. What is the total dollar value of road helmets in inventory? 0.00 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Step 6: View Warehouse Inventory

In this step, you review the inventory that is held within your storage location.

This perspective can display information such as the location of the storage bin, the material within the storage bin, and the quantity of units within the storage bin. This step introduces the warehouse management perspective by displaying your individual storage bins. You currently have three storage bins for shelf storage and another three for pallet storage.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Logistics Execution 🡪 Internal Whse Processes 🡪 Bins and Stock 🡪 Display🡪 Bin Status Report

1. What is the transaction code to run a bin status report? LX03 🖉
2. You are in the “Bin Status Report: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Warehouse number | Your San Diego Warehouse |

* You also have the option to narrow your search down to storage type or storage bin.

1. Click on  (EXECUTE).
2. What material is located in your warehouse? NOTHING 🖉
3. In the “Bin Status Report: Overview” screen, double-click on STBN-1-000.
4. How many road helmets are in the storage bin? 0 🖉
5. What is the total capacity? 0.000 🖉
6. How much of the total capacity is currently being used? 0.000 🖉
7. What is the storage type? SHELF STORAGE 🖉
8. What is the maximum weight? 9,999.000 POUNDS 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Step 7: View Material Balance

In this step, you search for the overview of your material’s location and inventory.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Physical Inventory 🡪 Environment 🡪 Stock Overview

1. What is the transaction code to display a material’s inventory level? MMBE 🖉

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Road Helmets |
| Plant | Your DC San Diego Plant |
| Storage Location | Your Trading Goods |

1. You are in the “Stock Overview: Company Code/Plant/Storage Loc.” Screen. Click on  (EXECUTE).
2. What is the material type for your road helmet? TRADING GOODS 🖉
3. How many road helmets are in unrestricted use? 0.000 🖉
4. How many road helmets are in reserved stock? 0.000 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Attachment 1: Exercise Worksheet

**Name:** THUY HONG HA

**Course and Section:** WM-01

**Identifier:** 054

**Client:** 701

* Provide both the code and its description in your answers. The questions are designed for you to locate the code but also understand the meaning

1. What is the transaction code to create a general material immediately? MM01 🖉
2. What is the transaction code to change a material immediately? MM02 🖉
3. What is the transaction code to display a current material? MM03 🖉
4. What is the gross weight of your road helmet? 10 OUNCES 🖉
5. What is the material group for your road helmet? SAFETY GEAR 🖉
6. What is the moving average price for your road helmet? 25.00 🖉
7. What is the gross weight of your men’s off road bike? 9,460 GRAMS 🖉
8. What is the material group for your men’s off road bike? FINISHED BIKES 🖉
9. What is the moving average price for your men’s off road bike? 0.00 🖉
10. What is the transaction code to create material prices for customers? VK31 🖉
11. What is the transaction code to create the vendor? XK01 🖉
12. What is the transaction code to display the vendor? XK03 🖉
13. What is the transaction code to change the vendor? XK02 🖉
14. What is the postal code for this vendor? 97223 🖉
15. What is the reconciliation account number for this vendor? 300000 🖉
16. What are the payment terms? PAYABLE IMMEDIATELY DUE NET 🖉
17. What is the order currency? USD 🖉
18. What is the minimum order value? 0.00 🖉
19. What is the transaction code to create the customer? XD01🖉
20. What is the transaction code to display the customer? XD03 🖉
21. What is the transaction code to change the customer? XD02 🖉
22. What is the reconciliation account name? TRADE ACCOUNTS RECEIVABLES 🖉
23. What is your customer’s payment block setting? FREE FOR PAYMENT 🖉
24. What is your customer’s pricing procedure? STANDARD 🖉
25. What is your customer’s delivery priority? NORMAL ITEM 🖉
26. What is your customer’s incoterms? FREE ON BOARD 🖉
27. What is the transaction code to display a material’s inventory level? MB52 🖉
28. How many of your helmets are there in inventory? 0 🖉
29. What is the total dollar value of road helmets in inventory? 0.00 🖉
30. What is the transaction code to run a bin status report? LX03 🖉
31. What material is located in your warehouse? NOTHING 🖉
32. How many road helmets are in the storage bin? 0 🖉
33. What is the total capacity? 0.000 🖉
34. How much of the total capacity is currently being used? 0.000 🖉
35. What is the storage type? SHELF STORAGE 🖉
36. What is the maximum weight? 9,999.000 POUNDS 🖉
37. What is the transaction code to display a material’s inventory level? MMBE🖉
38. What is the material type for your road helmet? TRADING GOODS 🖉
39. How many road helmets are in unrestricted use? 0.000 🖉
40. How many road helmets are in reserved stock? 0.000 🖉