Chapter 07: Warehouse Management (WM)

Exercise 07-03: WM Procure from Plant

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

In this exercise, you purchase materials and place them into warehouse managed storage. You execute the process steps from receiving the goods to storing them in the warehouse using two different methods of tracking inventory: Inventory Management and Warehouse Management.

Exercise Prerequisites

Chapter 07-01 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:

* Initial Inventory Balance Created
* Stock Transport Order Created
* Goods Issue Created
* Goods Receipt Created
* Transfer Order Created
* Transfer Order Confirmed

On Paper:

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

Step 1: Create Initial Inventory Balance

When GBI personnel conducted a physical count of inventory in Dallas, they discovered that a supply of bikes have somehow been subtracted from inventory but not shipped out. In this step, you will re-enter these bikes into the system by utilizing a method called “goods from heaven.” This method puts the goods directly into inventory which bypasses the entire production or procurement process. This is not the normal way to put material in inventory.

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

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Goods Movement 🡪 Goods Receipt 🡪 Other

1. What is the transaction code to create inventory from heaven? MIGO\_GR 🖉
2. You are in the “Enter Other Goods Receipt: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Movement Type | Receipt per initial entry of stock balances into unr.-use |
| Plant | Your Dallas Plant |
| Storage Location | Your Finished Goods |

1. Click on  (ENTER).
2. You are in the “Enter Other Goods Receipt: New Items” screen.

Enter the following information:

|  |  |
| --- | --- |
| Material | Quantity |
| Your Men’s Off Road Bike | 150 |

1. Click on  (SAVE).

You will receive a message that says “Document posted”.

1. What is the resulting document number? 5000000015 🖉

* Refer to a previous step in a previous exercise for instructions on how to review material inventory. Review the inventory of your Men’s Off Road Bikes to answer the following questions. While the balance in your inventory may be obvious, it is always good to check.

1. How many men’s off road bikes are in inventory in Dallas? 150 🖉
2. How many men’s off road bikes are in inventory in San Diego? 0 🖉

* Refer to a previous step in a previous exercise for instructions on how to review inventory balance. Review the inventory balance of your Men’s Off Road Bike. While the balance in your inventory may be obvious, it is always good to check for grading purposes.

1. How many men’s off road bikes are in unrestricted stock in Dallas? 150.000 🖉
2. How many men’s off road bikes are in unrestricted stock in San Diego? 0.000 🖉

Exercise Deliverables:

In the System:

* Initial Inventory Balance Created

On Paper:

* Answer(s) to Question(s)
* Document Number(s)

Step 2: Create Stock Transport Order

San Diego has notified Dallas that they need some men’s off road bikes. Luckily, they need the exact amount that was found in the inventory count and that you re-entered into inventory. In this step, you create a stock transport order. The process and idea is similar to a purchase order. However, instead you will be “buying” from the GBI Dallas plant instead of a vendor.

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

Navigation

Logistics 🡪 Materials Management 🡪 Purchasing 🡪 Purchase Order 🡪 Create 🡪 Vendor/Supplying Plant Known

1. What is the transaction code to create a stock transport order? ME21N 🖉

* The screen is divided into three sections (Header, Item Overview, and Item Detail). Clicking on the  icon next to each section will open and close them. It is required to open and close the sections as needed to complete the following steps. These steps will assume that you have all three of these sections open within the entire screen for simplicity purposes.

1. In the “Create Purchase Order” screen, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Order Type (Purchasing) | Stock Transp. Order |
| Supplying Plant | Your Dallas Plant |
| Purch. Org. | Your GBI US |
| Purch. Group | Your GBI Buyer |
| Company Code | Your Global Bike Inc. |

* Hint: The Order Type (Purchasing) field is the drop down menu at the top left.
* Ensure the “Org Data” tab is selected to input some necessary fields.

1. At the bottom of the screen, enter the following information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Material | PO Quantity | Deliv. Date | Plnt | Stor. Location |
| ORMN10## | Appropriate Quantity | One Week from Today | SD## | FG## |

1. Click on  (SAVE).
2. In the “Save Document” pop-up, click on the  icon.

You will receive a message that says “Stock Transp. Order created”.

1. What is the resulting document number? 50000972 🖉

* Refer to a previous step in a previous exercise for instructions on how to review material inventory. Review the inventory of your Men’s Off Road Bikes to answer the following questions. While the balance in your inventory may be obvious, it is always good to check.

1. How many men’s off road bikes are in inventory in Dallas? 150 🖉
2. How many men’s off road bikes are in inventory in San Diego? 0 🖉

* Refer to a previous step in a previous exercise for instructions on how to review inventory balance. Review the inventory balance of your Men’s Off Road Bike. While the balance in your inventory may be obvious, it is always good to check for grading purposes.

1. How many men’s off road bikes are in unrestricted stock in Dallas? 150.000 🖉
2. How many men’s off road bikes are in unrestricted stock in San Diego? 0.000 🖉

Exercise Deliverables:

In the System:

* Stock Transport Order Created

On Paper:

* Answer(s) to Question(s)
* Document Number(s)

Step 3: Issue Shipment to Plant

In this step, you issue the goods requested from Dallas to San Diego.

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

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Goods Movement 🡪 Goods Movement (MIGO)

1. What is the transaction code to issue the goods? MIGO 🖉
2. You are in the “Goods Receipt Purchase Order” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Executable Action in Transaction MIGO | Goods Issue |
| Executable Action in Transaction MIGO | Purchase Order |
| Purchasing Document Number | Your Stock Transport Order Number |

* Hint: The first two fields are the drop down menus at the top left.

1. Click on  (ENTER).
2. At the bottom of the screen, enter the following information:

|  |  |  |
| --- | --- | --- |
| Mat. Short Text | OK | SLoc |
| **## Men’s Off Road Bike** | Selected | Your Finished Goods |

1. Click on  (SAVE).

You will receive a message that says “Material document posted”.

1. What is the resulting document number? 4900006069 🖉

* Refer to a previous step in a previous exercise for instructions on how to review material inventory. Review the inventory of your Men’s Off Road Bikes to answer the following questions. While the balance in your inventory may be obvious, it is always good to check.

1. How many men’s off road bikes are in inventory in Dallas? 0 🖉
2. How many men’s off road bikes are in inventory in San Diego? 0 🖉

* Refer to a previous step in a previous exercise for instructions on how to review inventory balance. Review the inventory balance of your Men’s Off Road Bike. While the balance in your inventory may be obvious, it is always good to check for grading purposes.

1. How many men’s off road bikes are in unrestricted stock in Dallas? 0.000 🖉
2. How many men’s off road bikes are in unrestricted stock in San Diego? 0.000 🖉

Exercise Deliverables:

In the System:

* Goods Issue Created

On Paper:

* Answer(s) to Question(s)
* Document Number(s)

Step 4: Receive Shipment from Plant

In this step, you receive the goods requested by San Diego from Dallas.

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

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Goods Movement 🡪 Goods Movement (MIGO)

1. What is the transaction code to receive the goods? MIGO 🖉
2. In the “Goods Issue Purchase Order” screen, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Executable Action in Transaction MIGO | Goods Receipt |
| Purchasing Document Number | Your Stock Transport Order Number |

1. Click on  (ENTER).
2. At the bottom of the screen, enter the following information:

|  |  |
| --- | --- |
| Mat. Short Text | OK |
| **## Men’s Off Road Bike** | Selected |

1. Click on  (SAVE).

You will receive a message that says “Material document posted”.

1. What is the resulting document number? 5000000015 🖉

* Refer to a previous step in a previous exercise for instructions on how to review material inventory. Review the inventory of your Men’s Off Road Bikes to answer the following questions. While the balance in your inventory may be obvious, it is always good to check.

1. How many men’s off road bikes are in inventory in Dallas? 0 🖉
2. How many men’s off road bikes are in inventory in San Diego? 150 🖉

* Refer to a previous step in a previous exercise for instructions on how to review inventory balance. Review the inventory balance of your Men’s Off Road Bike. While the balance in your inventory may be obvious, it is always good to check for grading purposes.

1. How many men’s off road bikes are in unrestricted stock in Dallas? 0.000 🖉
2. How many men’s off road bikes are in unrestricted stock in San Diego? 150.000 🖉

Exercise Deliverables:

In the System:

* Goods Receipt Created

On Paper:

* Answer(s) to Question(s)
* Document Number(s)

Step 5: Create Transfer Order

The bikes are sitting in the interim storage location (receiving dock) and need to be put away into their storage bins. In this step, you create a transfer order. It is a hand-off from Inventory Management to Warehouse.

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

Navigation

Logistics 🡪 Logistics Execution 🡪 Inbound Process 🡪 Goods Receipt for Purchase Order, Order, Other Transactions 🡪 Putaway 🡪 Create Transfer Order 🡪 For Material

1. What is the transaction code to create a transfer order? LB11 🖉
2. You are in the “Display Transfer Requirement: List for Material” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Value |
| Warehouse Number | Your San Diego Warehouse |
| Material | Your Men’s Off Road Bike |
| Plant | Your DC San Diego Plant |
| Storage Location | Your Finished Goods |

1. Click on  (ENTER).

* In the next screen, you should see a line item describing the goods just received from your purchase order. The requirement number should be the same as your purchase order number. Notice also the TR (Transfer Requirement) number on the left.

1. You are in the “Transfer Requirements for Material” screen.

Click on  (TO IN FOREGROUND).

1. You are in the “Create TO for TR 0000000001: Prepared for Putaway” screen.

Click on  (ENTER).

1. Click on  (SAVE).

You will receive an error that says “Data for storage type is not defined”.

* This error is normal when clicking on the “Save” icon. All the system wants to know is where the bikes will be going within the San Diego Warehouse. In this case, they are going to put the bikes into pallet storage which is what you will enter.

1. In the “Create Transfer Order” screen, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Destination Storage Type | Pallet Storage |
| Destination storage section | Total Section |

1. Click on  (ENTER).

You will receive a message that says “Transfer order created”.

1. What is the resulting document number? 0000002003 🖉

* Refer to a previous step in a previous exercise for instructions on how to review material inventory. Review the inventory of your Men’s Off Road Bikes to answer the following questions. While the balance in your inventory may be obvious, it is always good to check.

1. How many men’s off road bikes are in inventory in Dallas? 0 🖉
2. How many men’s off road bikes are in inventory in San Diego? 150 🖉

* Refer to a previous step in a previous exercise for instructions on how to review inventory balance. Review the inventory balance of your Men’s Off Road Bike. While the balance in your inventory may be obvious, it is always good to check for grading purposes.

1. How many men’s off road bikes are in unrestricted stock in Dallas? 0.000 🖉
2. How many men’s off road bikes are in unrestricted stock in San Diego? 150.000 🖉

* Refer to a previous step in a previous exercise for instructions on how to review warehouse inventory. Review the warehouse inventory of your men’s off road bike. While the amount in your inventory may be obvious, it is always good to check for grading purposes.

1. How many bikes are in your STBN-7-000 storage bin? 0 🖉
2. How many bikes are in the GR Area External Receipts? 150 🖉

Exercise Deliverables:

In the System:

* Transfer Order Created

On Paper:

* Answer(s) to Question(s)
* Document Number(s)

Step 6: Confirm Transfer Order

In this step, you pay the vendor for the materials you purchased from them.

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

Navigation

Logistics 🡪 Logistics Execution 🡪 Inbound Process 🡪 Goods Receipt for Inbound Delivery 🡪 Putaway 🡪 Confirm Transfer Order 🡪 Single Document 🡪 In One Step

1. What is the transaction code to confirm a transfer order? LT12 🖉
2. In the “Confirm Transfer Order: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| TO Number | Your Transfer Order Number |
| Warehouse Number | Your San Diego Warehouse |

1. Click on the  icon.
2. You are in the “Confirm Transfer Order: Overview of Transfer Order” screen. Click on  (SAVE).

You will receive a message that says “Transfer order confirmed”.

* Refer to a previous step in a previous exercise for instructions on how to review warehouse inventory. Review the warehouse inventory of your men’s off road bike. While the amount in your inventory may be obvious, it is always good to check for grading purposes.

1. How many bikes are in your STBN-7-000 storage bin? 150 🖉

Exercise Deliverables:

In the System:

* Transfer Order Confirmed

On Paper:

* Answer(s) to Question(s)

Attachment 1: Exercise Worksheet

**Name:** THUY HONG HA

**Course and Section:** CH-07-03

**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 inventory from heaven? 🖉
2. What is the resulting document number? 🖉
3. How many men’s off road bikes are in inventory in Dallas? 🖉
4. How many men’s off road bikes are in inventory in San Diego? 🖉
5. How many men’s off road bikes are in unrestricted stock in Dallas? 🖉
6. How many men’s off road bikes are in unrestricted stock in San Diego? 🖉
7. What is the transaction code to create a stock transport order? 🖉
8. What is the resulting document number? 🖉
9. How many men’s off road bikes are in inventory in Dallas? 🖉
10. How many men’s off road bikes are in inventory in San Diego? 🖉
11. How many men’s off road bikes are in unrestricted stock in Dallas? 🖉
12. How many men’s off road bikes are in unrestricted stock in San Diego? 🖉
13. What is the transaction code to issue the goods? 🖉
14. What is the resulting document number? 🖉
15. How many men’s off road bikes are in inventory in Dallas? 🖉
16. How many men’s off road bikes are in inventory in San Diego? 🖉
17. How many men’s off road bikes are in unrestricted stock in Dallas? 🖉
18. How many men’s off road bikes are in unrestricted stock in San Diego? 🖉
19. What is the transaction code to receive the goods? 🖉
20. What is the resulting document number? 🖉
21. How many men’s off road bikes are in inventory in Dallas? 🖉
22. How many men’s off road bikes are in inventory in San Diego? 🖉
23. How many men’s off road bikes are in unrestricted stock in Dallas? 🖉
24. How many men’s off road bikes are in unrestricted stock in San Diego? 🖉
25. What is the transaction code to create a transfer order? 🖉
26. What is the resulting document number? 🖉
27. How many men’s off road bikes are in inventory in Dallas? 🖉
28. How many men’s off road bikes are in inventory in San Diego? 🖉
29. How many men’s off road bikes are in unrestricted stock in Dallas? 🖉
30. How many men’s off road bikes are in unrestricted stock in San Diego? 🖉
31. How many bikes are in your STBN-7-000 storage bin? 🖉
32. How many bikes are in the GR Area External Receipts? 🖉
33. What is the transaction code to confirm a transfer order? 🖉
34. How many bikes are in your STBN-7-000 storage bin? 🖉