

## Solution: WM III Challenge

**Learning Objective** Understand and perform a warehousing sales process cycle.

**Motivation** After having finished the *Warehouse Management III* case study successfully you should now be able to solve the following challenge.

**Scenario** The warehouse management system has been tested without any problems, so the management decided to use the system productively. Due to a higher demand of bikes for the Tour de France black Professional Touring Bikes are almost out of stock in Europe. The Distribution Center in San Diego still has them available so that the delivery of a wholesale sales order has to be managed by the new warehouse management system.

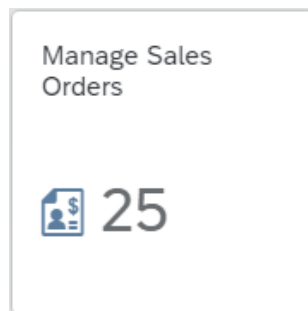
The customer VeloDOM from Magdeburg (Germany) has ordered 20 black Professional Touring Bikes with a delivery time of 10 days.

**Task Information** You can use the case study *Warehouse Management III* as a guideline, but it is recommended to complete this challenge without further assistance to prove your WM skills.

### Create Sales Order

To create a sales order, use in the *Warehouse Management* area on the *Issue from Storage* page in the *Sales Person* role the app *Manage Sales Order*.

Fiori App



In the *Manage Sales Order* page, click on *Create Sales Order – VA01*

[Create Sales Order - VA01](#)

In the *Create Sales Document* screen, enter **OR** (Standard Order) as Order Type, **UW00** as Sales Organization, **WH** (Wholesale) as Distribution Channel, **BI** (Bicycles) as Division, **SD00** as Sales Office and **US** as Sales Group. Confirm your entries by clicking [Continue](#) or pressing Enter.

OR  
UW00  
WH  
BI  
SD00  
US

< **SAP** Create Sales Documents

More ▾

\* Order Type:

Organizational Data

Sales Organization:

Distribution Channel:

Division:

Sales Office:

Sales Group:

At the top of the *Create Standard Order: Overview* screen, enter **148###** (VeloDOM, Magdeburg (Germany); replace ### with your number) as Sold-To Party, **54321###** as Cust. Reference and leave the fields Standard Order and Ship-To Party blank. In the *Sales* tab, enter **10 days from today** as Req. Deliv.Date and do the same in the Pricing Date field. Then, enter **PRTR1###** as Material and **20** as Order Quantity. Finally, confirm your entries by pressing Enter.

148###

54321###

10 days from today  
10 days from today  
PRTR1###  
20

You may receive a warning message which you can ignore.

< **SAP** Create Standard Order: Overview

68 More ▾ Exit

Standard Order:  Net Value:  USD

Sold-To Party:  VeloDOM / Am Hansehafen 5 / 39126 Magdeburg

Ship-To Party:  VeloDOM / Am Hansehafen 5 / 39126 Magdeburg

Cust. Reference:  Cust. Ref. Date:

**Sales** Item Overview Item detail Ordering party Procurement Shipping Reason for rejection

\* Req. Deliv.Date:   Deliver.Plant:

Complete Dlv.: ☐ Total Weight:  G

Delivery Block:  Volume:

Billing Block:  Pricing Date:

Pyt Terms:  Pay immediately w/o deduction

Inco. Version:

Incoterms:

Inco. Location1:

Group

All Items

Item	Material	Req. Segment	Order Quantity	Un	S	Item Description
<input type="checkbox"/>	10 PRTR1000		20	EA	<input type="checkbox"/>	Profi Touringbike (schwarz)

Compare your entries with the screenshot above. Then, click on **Save** to save your order. The system will assign a unique standard order number.

✓ Standard Order 26 has been saved.

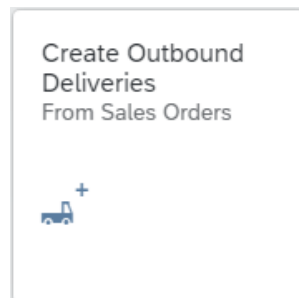
Standard Order Number

Click on **SAP** to return to the SAP Fiori Launchpad.

## Create Outbound Delivery

To create an outbound delivery, use in the *Warehouse Management* area on the *Issue from Storage* page in the *Warehouse Supervisor* role the app *Create Outbound Delivery*.

Fiori App



In the *Create Outbound Deliveries* screen, enter **148###** (VeloDOM Magdeburg, replace ### with your number) as Ship-To Party, **SD00** as Shipping point, and **Next 10 days** as Planned Creation Date. Confirm your entries by clicking **Go**.

SD00  
Standard Order Number

In the result list, select your sales receipt and click on **Create Deliveries (1)**. You will receive a message that one log was created.

Planned Creation Date	Sales Document	Planned GI Date	Priority	Shipping Point	Ship-To Party
06/22/2022	27	06/26/2022	Normal Item (02)	SP San Diego (SD00)	VeloDOM (148000)

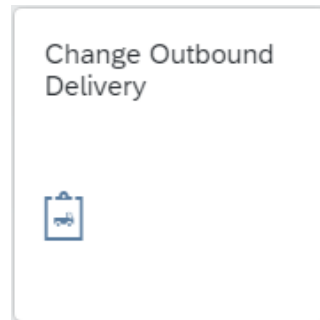
Gross Weight: 146,200.000

Click on **SAP** to return to the SAP Fiori Launchpad.

## Change Outbound Delivery

Open now the Fiori App *Change Outbound Delivery*.

FG00



In the *Change Outbound Delivery* screen enter your delivery number and click on **Continue**. In the *Outbound Delivery Change: Overview* screen, choose the *Picking* tab and enter **FG00** as SLoc if its not already entered. Then press Enter.

**Note** Due to the fact that we are using the San Diego warehouse picking has to be done a little differently. Hence, the *Picked Qty* field is now grayed out.

Item	Material	Plnt	SLoc	Req. Segment	Deliv. Qty	Un	Picked Qty	Un
10	PRTR1000	SD00	FG00		20	EA	0	EA

Compare your entries with the screenshot above. Then, click on **Save** to save your outbound delivery. The system will assign a unique outbound delivery number.

✓ Outbound Delivery 80000025 has been saved

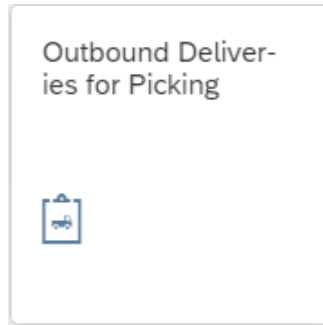
Outbound Delivery  
Number

Click on **SAP** to return to the SAP Fiori Launchpad.

### Pick Materials with Transfer Order

To create an outbound delivery, use the app *Outbound Deliveries for Picking*.

Fiori App



In the *Outbound Deliveries for Picking* screen, enter **SD00** as Shipping Point/Receiving Pt, select the **Only WM Picking** radio button and enter **10 days from today** in Picking Date to. Otherwise your Outbound Delivery will be out of the time data range. Then, click on **Execute** or press F8 to execute.

SD00  
Only WM Picking  
10 days from today

**SAP Outbound Deliveries for Picking**

Save as Variant... More

**Organizat. Data**

Shipping Point/Receiving Pt:  to:

**Time Data**

Picking Date:  to:

**Picking Data**

Only Picking Without WM: ☐

Only WM Picking: ☒

Both Picking Types: ☐

Warehouse Number:  to:

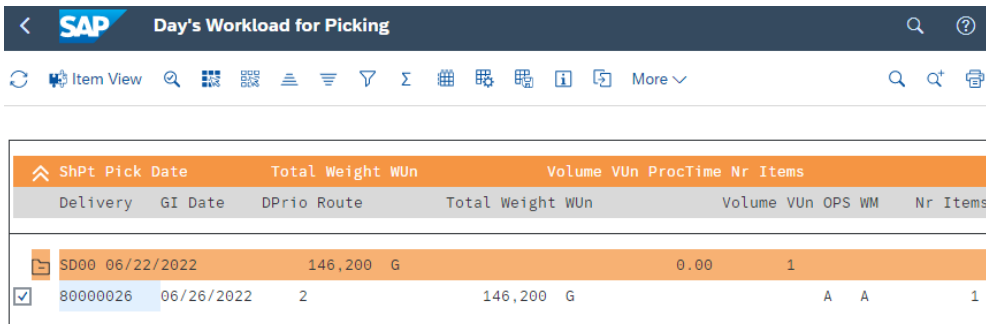
Check at Header Level: ☐

Check at Item Level: ☒

Exclude Existing WM Groups: ☐

In the *Day's Workload for Picking* screen, you should see a line item with your **Outbound Delivery Number**. Select it and click on the **TO in Foreground** button.

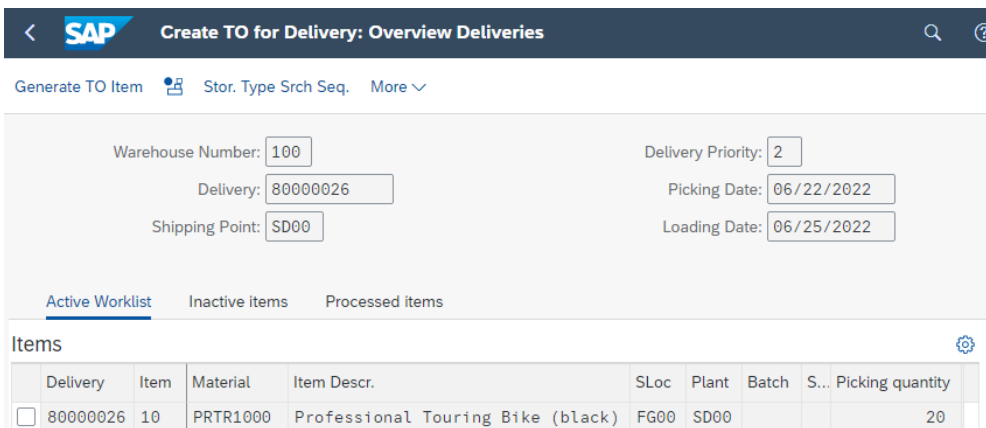
Outbound Delivery  
Number



The screenshot shows the 'Day's Workload for Picking' app. It features a table with columns: ShPt, Pick Date, Total Weight WUn, Volume VUn, ProcTime, Nr Items, Delivery, GI Date, DPrio, Route, Total Weight WUn, Volume VUn, OPS, WM, and Nr Items. The first row shows a delivery with a total weight of 146,200 G and a volume of 0.00. The second row shows a specific picking task with a total weight of 146,200 G and a volume of 0.00.

ShPt	Pick Date	Total Weight WUn	Volume VUn	ProcTime	Nr Items
SD00	06/22/2022	146,200 G	0.00		1
80000026	06/26/2022	146,200 G		A A	1

In the *Create Transfer Order for Delivery Note: Initial Screen*, press Enter to create your transfer order to be able to pick your documents.




The screenshot shows the 'Create TO for Delivery: Overview Deliveries' app. It includes input fields for Warehouse Number (100), Delivery (80000026), Shipping Point (SD00), Delivery Priority (2), Picking Date (06/22/2022), and Loading Date (06/25/2022). Below these fields are tabs for Active Worklist, Inactive items, and Processed items. The Active Worklist tab is selected, showing a table with columns: Delivery, Item, Material, Item Descr., SLoc, Plant, Batch, S..., and Picking quantity. The table contains one row with a picking quantity of 20.

Delivery	Item	Material	Item Descr.	SLoc	Plant	Batch	S...	Picking quantity
80000026	10	PRTR1000	Professional Touring Bike (black)	FG00	SD00			20

On the next screen, click on **Posting** to save your transfer order. The system will save the transfer order automatically and assign a unique transfer order number.

✓ Transfer order 0000005054 created

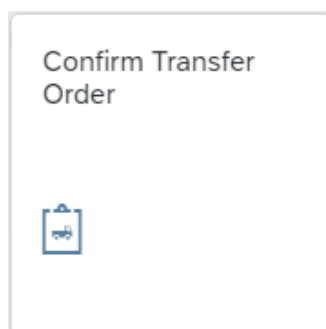
Transfer Order Number

Click on  to return to the SAP Fiori Launchpad.

## Confirm Transfer Order

To confirm a transfer order, use the app *Confirm Transfer Order*.

Fiori App



In the *Confirm Transfer Order: Initial Screen*, enter the **TO Number** from the previous task and **100** as Warehouse Number. Then, press Enter.

TO Number  
100

< **SAP** Confirm Transfer Order: Initial Screen

Standard Input List Pack More ▾

\* TO Number: 5054

\* Warehouse Number: 100

**Note** If you have not written down the number you can search for it using the app *Display Transfer Order*.

In the *Transfer Orders: List of Resident Documents* you have to fill in **100** as Warehouse number. Then, click on **Execute**.

100

In the *Confirm Transfer Order: Overview of Transfer Order Items* screen, you should see an overview of your transfer order created in the previous step. Review all of the details to make sure you have the correct quantity and storage bin.

< **SAP** Confirm Transfer Order: Overview of Transfer Order Items

Confirm Internally Enter Actual Data Pack More ▾

Warehouse No.: 100 Creation Date: 06/16/2022

TO Number: 5055 Group:

Items

D	Material	Plnt	Batch	S	Typ	Stor. Bin	Target Quantity	AUn	C
<input checked="" type="checkbox"/>	PRTR1000	SD00		S	002	STBN-8-000	20	EA	<input type="checkbox"/>
1	Professional Touring Bike (black)			D	004	0080000026	20		

Then, click on **Posting** to confirm your transfer order. The system will return a success message.

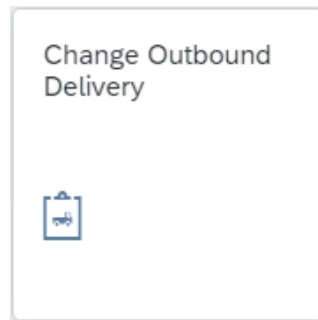
✓ Transfer order 0000005054 confirmed

Click on **SAP** to return to the SAP Fiori Launchpad.

## Ship Materials

To ship materials, use the app *Change Outbound Delivery*.

Fiori App



In the *Change Outbound Delivery* screen, enter your **Outbound Delivery Number** from the *Create Outbound Delivery* task and press Enter or click on

**Continue**.

Outbound Delivery  
Number

 The screenshot shows the SAP "Change Outbound Delivery" screen. At the top is a dark blue header bar with the SAP logo and the title "Change Outbound Delivery". Below the header is a toolbar with icons for various functions and the text "Post Goods Issue" and "More". The main area is a light gray rectangle containing the label "Outbound Delivery:" followed by a text input field containing the number "80000025".

**Note** If you have not written down the number you can search for it using the F4 help.

In the *Outbound Delivery ##### Change: Overview* screen, choose the *Item Overview* tab and scroll to the right until you can see the *Picked Qty* column. As you can see you picked the full amount to be delivered.


 The screenshot shows the SAP "Outbound Delivery 80000026 Change: Overview" screen. The header bar is dark blue with the SAP logo and the title. Below the header is a toolbar with icons and the text "Post Goods Issue", "Services for Object", and "More". The main area is a light gray rectangle containing several input fields and tabs. The "Item Overview" tab is selected. The input fields include "Outbound Deliv.: 80000026", "Document Date: 06/16/2022", "Ship-to party: 148000", and "VeloDOM / Am Hansehafen 5 / 39126 Magdeburg". Below these are tabs for "Item Overview", "Picking", "Loading", "Shipment", "Status Overview", and "Goods Movement Data". The "Picking" tab is selected. The input fields include "Pick Date/Time: 06/22/2022", "00:0...", "OvrllPickStatus: C", "Fully Picked", "Warehouse No.: 100", "San Diego Warehouse", "WM Activity Sts: C", and "WM Trsf Ord Confirmd". Below the input fields is a table titled "All Items".
 

Itm	Material	Plnt	SLoc	Req. Segment	Deliv. Qty	Un	Picked Qty	Un
<input type="checkbox"/> 10	PRTR1000	SD00	FG00		20	EA	20	EA

Then, click on the **Post Goods Issue** button. The system will return a success message.



✔ Outbound Delivery 80000025 has been saved

Click on  to return to the SAP Fiori Launchpad.

