|  |  |
| --- | --- |
|  |  |
| Test ScriptSAP S/4HANA - 17-09-20 | public |
| Basic Warehouse Outbound Processing to Customer (1G2\_DE) |

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# Purpose

You can use this process to ship ordered goods to external customers. This process usually starts with the creation of a sales order and an outbound delivery, which is later used to trigger the outbound processing in the warehouse. During the creation of warehouse tasks, the system determines the location for picking the stock and allocates the stock to the warehouse task. At the same time, the system automatically makes sure that all goods for a customer are routed to the same place at the packing work center, where shipping Handling Unit labels and content lists are printed. After goods are loaded the goods issue is posted. At the end of the process, follow-up actions (such as the creation of the billing document) are executed.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Warehouse Clerk (EWM) | SAP\_BR\_WAREHOUSE\_CLERK | Warehouse Office | SAP\_BR\_WAREHOUSE\_CLERK\_EWM |  |
| Warehouse Operative (EWM) | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM | Warehouse Floor | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM |  |
| Internal Sales Representative | SAP\_BR\_INTERNAL\_SALES\_REP | Internal Sales | SAP\_BR\_INTERNAL\_SALES\_REP |  |
| Shipping Specialist | SAP\_BR\_SHIPPING\_SPECIALIST | Shipping | SAP\_BR\_SHIPPING\_SPECIALIST |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company has been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and vendors, for example, depending on the operational focus of your company.

Use your own master data to go through the test procedure. If you have installed an SAP Best Practices baseline package, you can use the following sample data:

Product Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Value | UoM | EAN | Description |
| EWMS4-01 | 1 PAL=6 CAR=48 PC | 9783836214230 (CAR) | EWM Prod. 01, Small Part; Slow Mover |
| EWMS4-02 | 1 PAL=8 CAR=192 PC | 9783836218122 (CAR) | EWM Prod. 02, Small Part, Fast Mover |
| EWMS4-10 | 1 PAL=4 PC | 9781592292868 (PC) | EWM Prod.10, Large Part; Slow Mover |
| EWMS4-11 | 1 PAL=6 PC | 9781592294091 (PC) | EWM Prod.11, Large Part, Fast Mover |
| EWMS4-40 | 1 PAL=36 CAR=360 PC | 9781592294121 (CAR) | Product for Bulk Storage A, Short Lane |
| EWMS4-41 | 1 PAL=48 CAR=480 PC | 9781592294497 (CAR) | Product for Bulk Storage A, Long Lane |
| EWMS4-42 | 1 PAL=6 PC | 9781592293858 (EA) | Product for Bulk Storage B |

Customer Master Data:

|  |  |
| --- | --- |
| Customer | Description |
| EWM10-CU01 | EWM Domestic Customer 01 |
| EWM10-CU02 | EWM Domestic Customer 02 |
| EWM10-CU03 | EWM Domestic Customer 03 |

Packaging Material Master Data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Value | UoM | EAN | Description | Internal Number Range | SSCC Number Range |
| EWMS4-WBTRO00 | PC |  | EWM Default Wire Basket Trolley |  |  |
| EWMS4-TRUCK00 | PC |  | EWM Default Transportation Unit |  |  |
| EWMS4-PAL00 |  |  | Pallet with SSCC Generation |  |  |
| EWMS4-PAL01 |  |  | US Pallet with SSCC Generation |  |  |
| EWMS4-PALISU |  |  | Pallet for Initial Stock Upload |  |  |
| EWMS4-CAR00 |  |  | Carton with SSCC generation |  |  |

Organizational Master Data in the SAP S/4HANA System:

|  |  |  |  |
| --- | --- | --- | --- |
| Org. Master Data | Value | Master Data Details | Comments |
| Company Code | 1010 |  |  |
| Purchasing Organization | 1010 |  |  |
| Purchasing Group | 001 |  |  |
| Plant | 1010 |  |  |
| Storage Location | 101D | Received on Dock |  |
| Storage Location | 101S | Available for Sale |  |
| EWM Warehouse Number | 1010 |  |  |
| Receiving Point | 1010 |  |  |

Warehouse - specific Organizational Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Org. Master Data | Value | Master Data Details | Comments |
| Supply Chain Unit | YWAREHOUSE-1010 |  |  |
| EWM Warehouse Number | 1010 |  |  |
| Custodian | BP1010 |  |  |
| Entitled to Dispose | BP1010 |  |  |
| Shipping Office | YWAREHOUSE-1010 |  |  |

Warehouse - specific Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Org. Data | Value | Org. Data Details | Comments |
| Storage Type | Y001 | Narrow Aisle High Rack Hand-Over Point |  |
| Storage Type | Y011 | Narrow Aisle High Rack Pallet Buffer |  |
| Storage Type | Y021 | Mezzanine |  |
| Storage Type | Y041 | Bulk Storage A (Partial Pallets Allowed) |  |
| Storage Type | Y042 | Bulk Storage B (No Partial Pallets) |  |
| Storage Type | Y051 | Narrow Aisle High Rack Picking Area |  |
| Storage Type | Y052 | Picking Area for Bulk Storage B |  |
| Storage Type | Y831 | Packaging Zone |  |
| Storage Type | Y920 | Outbound Staging Area |  |
| Storage Type | Y930 | Doors |  |

Queues:

|  |  |  |
| --- | --- | --- |
| Warehouse Number | Queue | Description |
| 1010 | YO-021-831 | Outbound via Mezzanine |
| 1010 | YO-N01-001 | Outbound via Narrow Aisle/ Handover Point |
| 1010 | YO-N02-001 | Outbound via Narrow Aisle/ Handover Point |
| 1010 | YO-001-831 | Outbound via Hand-over Point |
| 1010 | YO-N01-831 | Outbound via Narrow Aisle |
| 1010 | YO-N02-831 | Outbound via Narrow Aisle |
| 1010 | YO-831-920 | Outbound via Packing Zone |
| 1010 | YO-920-930 | Outbound via Staging Area |
| 1010 | YO-041-831 | Outbound via Full Pallet Bulk Storage |
| 1010 | YO-042-831 | Outbound via Partial Pallet Bulk Storage |
| 1010 | YO-052-831 | Outbound via Picking Bulk Storage |

Resources:

|  |  |  |
| --- | --- | --- |
| Customer | Description | Resource group |
| YALL-1 | RFUI generic device | YALL |
| YHLTR01-1 | High Level Truck for Aisle 1 | YHA1 |
| YHLTR02-1 | High Level Truck for Aisle 2 | YHA2 |
| YLLTR-1 | Low Level Truck | YLL0 |
| YMEZZ-1 | Mezzanine | YHR0 |
| YPACK-1 | Packing | YPPP |

## Template for Note IDs

In order to facilitate working through the process steps, you can print the following page and note all IDs you create:

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Object | Value | Notes |
| Check Stock Level for the EWM Products |
|  | Storage Bin / HU ID | for example, 041.01 / ### |
|  | Product EWMS-01, full pallet (Y011) |  |  |
| Product EWMS-01, partial quantity (Y021) |  |  |
| Product EWMS-02, partial quantity (Y021) |  |  |
| Product EWMS-10, partial quantity (Y021) |  |  |
| Product EWMS-11, partial quantity (Y021) |  |  |
| Product EWMS-40, full pallet (Y041) |  |  |
| Product EWM-40, partial pallet (Y041) |  |  |
| Product EWM-41, full pallet (Y041) |  |  |
| Product EWM-42, full pallet (Y042) |  |  |
| Product EWM-42, partial quantity (Y052) |  |  |
| Create Sales Order |
|  | First Sales Order ID |  |  |
| Second Sales Order ID |  |  |
| Third Sales Order ID |  |  |
| Create Outbound Delivery |
|  | First Outbound Delivery ID |  |  |
| Second Outbound Delivery ID |  |  |
| Third Outbound Delivery ID |  |  |
| Display Outbound Delivery Order |
|  | First Outbound Delivery Order ID |  |  |
| Second Outbound Delivery Order ID |  |  |
| Third Outbound Delivery Order ID |  |  |
| Warehouse Door |  |  |
| Route |  |  |
| Display Warehouse Orders |
|  | Warehouse Order 1(Queue YO-021-831) |  | 1 CAR of EWMS4-01 and 1 CAR of EWMS4-02 (StType Y021) |
| Warehouse Order 2(Queue: YO-N0#-001) |  | 1 PAL of EWMS4-01 (StType Y011) |
| Warehouse Order 3(Queue: YO-N0#-001) |  | 1 PAL of EWMS4-11 (StType Y011) |
| Warehouse Order 4(Queue: YO-N##-831) |  | 2 PC of EWMS4-10 (StType Y011) |
| Warehouse Order 5(Queue YO-041-831) |  | 1 PAL of EWMS4-40 (StType Y041) |
| Warehouse Order 6(Queue YO-041-831) |  | 1 PAL of EWMS4-41 (StType Y041) |
| Warehouse Order 7(Queue YO-041-831) |  | 2 CAR of EWMS4-40 (StType Y041) |
| Warehouse Order 8(Queue YO-042-831) |  | 1 PAL of EWMS4-42 (StType Y042) |
| Warehouse Order 5(Queue YO-052-831) |  | 1 PC of EWMS4-42 (StType Y052) |
| Pick Warehouse Orders |
|  | Pick HU ID for picking 1 CAR of EWMS4-01 |  |  |
| Pick HU ID for picking 1 CAR of EWMS4-02 |  |  |
| Pick HU ID for picking 2 PC of EWMS4-10 |  |  |
| Pick HU ID for picking 2 CAR of EWMS4-40 |  |  |
| Pick HU ID for picking 1 PC of EWMS4-42 |  |  |
| Repack the Non-Pallet Quantities into a Shipping HU |
|  | Shipping HU ID for EWMS4-01 and EWMS4-02 |  |  |
| Shipping HU ID for EWMS4-10 |  |  |
| Shipping HU ID for EWM-40 and -42 |  |  |

## Business Conditions

Before this scope item can be tested, the following business conditions must be met.

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| 1FS - Basic Warehouse Inbound Processing from Supplier | To ensure there is enough stock for use in the outbound process, you bring stock into the warehouse using inbound processing. |
| 1FU - Initial Stock Upload for Warehouse | Alternatively, (or in addition to the inbound processing), you complete an initial stock upload as described in Initial Stock Upload for Warehouse(1FU) test script. |
| BNZ - Create New Open MM Posting Period | You have completed the step described in the Create New Open MM Posting Period master data script. Posting Period is up to date. |

## RFUI Handling - Verification

During the execution of various warehouse tasks (putaway, picking or internal movement etc.) using the RFUI environment, there are steps to ‘verify’ certain values, such as Destination Bin, Packaging Material or Handling Units. To execute this kind of steps, copy the value to be verified and paste into the verification field next to the original value field, and choose Enter to confirm.

## Preliminary Steps

### Maintain User (for Test RF Environment Processing)

With this setting, you can assign your logon user to a resource used in the RF (Radio Frequency) processing. By doing this, you do not need to make entries in the input fields in Fiori App Log On to Test RF Environment every time you access the RF processing. You can easily change the resource of the process requires it.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.In the App list, choose EWM – Settings RF and then choose Maintain User Settings - Radio Frequency (/SCWM/USER). | The Display View “User Settings for RF”: Overview screen appears. |  |
| 3 | Switch to Change Mode | On the Display View “User Settings for RF”: Overview screen, choose Edit (Ctrl + F1) to switch to the edit mode. | The Change View “User Settings for RF”: Overview screen appears. |  |
| 4 | Choose New Entries | On the Change View User Settings for Radio Frequency screen, choose New Entries. |  |  |
| 5 | Make the following entries | On the New Entries: Overview of Added Entries screen, enter the following data:User: Your logon UserPrsn. Prof.:Warehouse Number:1010Resource: Y…-#\*\*Note Choose a resource value, one you often use or the resource that you usually use when starting your processes. Apart from the process-step specific resource documented in every process step, all RF-based process steps can operate when your use the “generic” YALL-1 resource. |  |  |
| 5 | Save the data | Choose Save.Choose Back. |  |  |

### Check Stock Level for the Warehouse Products

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Set Default Parameters | In the Default Parameters dialog box, make the following entries:Warehouse Number: 1010Monitor: SAP |  |  |
| 4 | Choose Execute | Choose Execute (F8) . | The Warehouse Management Monitor SAP - Warehouse Number 1010 screen appears. |  |
| 5 | Expand and Double click | In the hierarchy in the left screen area, choose Stock and Bin > Available Stock. |  |  |
| 6 | Enter Product name | On the /SCWM/SAPLSTOCK\_OVERVIEW\_MON screen, make the following entries:Product Number: EWMS4-01Repeat step 4 to check product stock level for the following data:Product Number: EWMS4-02Product Number: EWMS4-10Product Number: EWMS4-11Product Number: EWMS4-40Product Number: EWMS4-41Product Number: EWMS4-42 |  |  |

Note Verify the stock level for the warehouse products.

Ensure you have the following:

Full pallets (1 PAL = 48 PC) of product EWMS4-01 stored in Storage Type Y011.

Full pallets (1 PAL = 6 PC) of product EWMS4-11 stored in Storage Type Y011.

Full pallets (1 PAL = 360 PC) of product EWMS4-40 stored in Storage Type Y041.

Full pallets (1 PAL = 480 PC) of product EWMS4-41 stored in Storage Type Y041.

Full pallets (1 PAL = 6 PC) of product EWMS4-42 stored in Storage Type Y042.

Non-pallet quantity (# CAR) of product EWMS4-01 (at least 1 CAR = 6 PC) stored in Storage Type Y021.

Non-pallet quantity (# CAR) of product EWMS4-02 (at least 1 CAR = 8 PC) stored in Storage Type Y021.

Non-pallet quantity of product EWMS4-10 (at least 2 PC) stored in Storage Type Y051.

Non-pallet quantity (# CAR) of product EWMS4-40 (at least 2 CAR = 20 PC) stored in Storage Type Y041.

Non-pallet quantity of product EWMS4-42 (at least 1 PC) stored in Storage Type Y052.

Check your S/4HANA system to find out which other material master data exists.

Result

You have verified the stock for the warehouse products used in the outbound process. If you are lacking stock, then review the business processes in Basic Warehouse Inbound Processing from Supplier (1FS) or create a stock upload using the steps described in the Initial Stock Upload for Warehouse (1FU).

# Overview Table

This scope item consists of several process steps provided in the table below.

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App Name | Expected Results |
| [Create Sales Order](#unique_12) [page ] 18 | Internal Sales Representative | Manage Sales Orders - Services (F0804) | Sales orders are created. |
| [Create Delivery](#unique_13) [page ] 21 | Shipping Specialist | Create Outbound Delivery - With Order Reference (VL01N) | Outbound deliveries are created for the Sales Orders. |
| [Create Warehouse Tasks Manually](#unique_14) [page ] 23 | Warehouse Clerk (EWM) | Run Outbound Process - Deliveries (F1704) | Outbound Delivery Orders do exist in the S/4HANA system, and warehouse tasks have been created manually. |
| [Check Warehouse Orders (Optional)](#unique_15) [page ] 26 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | Overview of the actual workload for Picking activities. |
| Pick Warehouse Orders from the Mezzanine /High Rack Narrow Aisle / Bulk Storage | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Different resources assigned to their RF queues to work on:1. the picking warehouse tasks to pick goods from the Mezzanine, High Rack Narrow Aisle or Bulk Storage and, 2. moving the picked Handling Units to the Packing Work Center. |
| [Create Shipping Handling Unit(s) and Repacking](#unique_16) [page ] 31 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Non-pallet goods for a customer are consolidated and packed into shipping HUs. Pick-HU for full pallet goods can be used as Shipping HU. |
| Close Shipping HUs at the Packing Work Center | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Shipping HUs are finalized and labels / content lists are printed |
| [Stage Shipping HUs](#unique_17) [page ] 66 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Assigned resource move the shipping Handling Units to the outbound staging area |
| [Display Loading Overview (Optional)](#unique_18) [page ] 68 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | Expected Amount is verified |
| [Load Shipping Handling Unit(s)](#unique_19) [page ] 70 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Shipping HUs are physically loaded onto the truck |
| [Post Goods Issue for Outbound Delivery Order](#unique_20) [page ] 72 | Warehouse Clerk (EWM) | Run Outbound Process - Deliveries (F1704) | Goods issue is posted |
| [Check Outbound Delivery (Optional)](#unique_21) [page ] 73 | Shipping Specialist | Display Outbound Delivery (VL03N) | Goods movement status is 'C - Completed'. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Create Sales Order

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

In this step, the sales orders (SO) are created that are the basis for creating outbound deliveries and all other subsequent process steps in the warehouse.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Log onto the SAP Fiori Launch Pad using the role Internal Sales Representative | The SAP Fiori Launch Pad is displays. |  |
| 2 | Access the Sales order worklist | Open Manage Sales Orders - Services (F0804). | The Manage Sales Orders (F0804) screen displays. |  |
| 3 | Navigate to Create Sales Order Screen | On Manage Sales Orders screen, select the Create Sales Order. | Create Sales Document screen displays. |  |
| 4 | Enter the Order type OR (Standard Order) | On the Create Sales Order: Initial Screen, make the following entries:Order Type: ORSales Organization: 1010Distribution Channel: 10Division: 00Choose Continue. |  |  |
| 5 | Enter Sales Order Header Data | On the Create Standard Order: Overview screen, enter the following data:Sold-to Party: EWM10-CU01Customer Reference: #######(Free entry, any number / ID). |  |  |
| 6 | Enter Sales Order Item Data | For different material and quantity combination, the product is picked from different Source Storage Type.Refer to the data in table below to enter the following data:Material: See Table 2 at the end of this tablePO Quantity: See Table 2 at the end of this tableOUn: See Table 2 at the end of this table |  |  |
| 7 | Note Please Pay attention to the Product and Source Bin in field of Table 3 Warehouse Tasks Overview in the chapter 4.3Create Warehouse Tasks Manually for your selected order, and you then execute the steps in respective chapters.It is suggested that you select only one of the 3 Sales Orders to run through the test script at a time. If you create more than one Sales Order and Outbound Delivery, the process steps could vary from the test script description. For example, in the execution of the picking steps in the RFUI (Radio Frequency Environment), there can be more Warehouse Tasks assigned to a specific queue, and you will be repeating certain steps when it is likely that the screens and fields in the RFUI are different from the description of the test script.Purchase Order Material OR Quantity Un Note• 1st OR* EWMS4-01 1 CAR For EWMS4-01, 8CAR = 1 full Pallet.
* EWMS4-02 1 CAR For EWMS4-02, 24CAR = 1 full Pallet.

If you enter a full pallet quantity, the picking process will be different. See Note in the Table 2 Warehouse Tasks Overview.• 2nd OR* EWMS4-10 2 PC
* EWMS4-11 6 PC Full Pallet.

• 3rd OR* EWMS4-40 38 CAR For EWMS4-40, 38CAR = 1 full Pallet+ 2 additional cartons.
* EWMS4-41 48 CAR Full Pallet.
* EWMS4-42 7 PC For EWMS4-42, 7PC = 1 full Pallet + 1 additional piece.

The further process steps show how the system automatically recognizes this. |
| 8 | Check the Sales Order | Choose More > Goto > Header ShippingOn the Shipping tab, verify that the order combination checkbox has been selected.Note The checkbox should be preselected based on the Customer Master. If not, select the checkbox for this and the second sales order, and then correct the customer master data record.Choose Back (F3).Select all items you have created.Choose More > Goto > Item > ShippingOn the Shipping tab page, verify or enter the following data:Plant: 1010Shipping Point: 1010Storage Location101SChoose Save. | System message Standard Order #### has been saved. |  |
| 9 | Save Document | Choose Save. Make a note of the sales order number: | The order is saved and the order confirmation is printed out. |  |

Table 1: Sales Orders

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Purchase Order | Material | OR Quantity | OUn | Note |
| 1st OR | EWMS4-01 | 1 | CAR | For EWMS4-01, 8 CAR = 1 full pallet. For EWMS4-02, 24 CAR = 1 full pallet.If you enter a full pallet quantity, the picking process will be different. See Note in the Table 2 Warehouse Tasks Overview. |
| EWMS4-02 | 1 | CAR |
| 2nd OR | EWMS4-10 | 2 | PC |  |
| EWMS4-11 | 6 | PC | Full pallet |
| 3rd OR | EWMS4-40 | 38 | CAR | 38 CAR of EWMS4-40 equals 1 full pallet and 2 additional cartons. |
|  | EWMS4-41 | 48 | CAR | Full pallet |
|  | EWMS4-42 | 7 | PC | 7 PC of EWMS4-42 equals 1 full pallet and 1 additional piece. The further process steps show how the system automatically recognizes this. |

## Create Delivery

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

In this activity, you create the delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Log onto the SAP Fiori Launch Pad using the role Shipping Specialist. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Open Create Outbound Delivery - With Order Reference (VL01N). | The Create Outbound Delivery - With Order Reference (VL01N) screen displays. |  |
| 3 | Search Sales Order | Choose Go.Search for the Sales Order (SD Document) which you have created previously in chapter Create Sales Order.Choose Enter. | Sales Orders that match the search filters display. |  |
| 4 | Search Sales Order | Create via Create Deliveries button the delivery. | Creation of a delivery is triggered. |  |
| 5 | Check Details | Choose Display Log. | The Analyze Delivery Log screen displays. delivery is created successfully with delivery number shown on tab Deliveries. | Note You can use the App Display Outbound Delivery to check the created delivery documents. You can check the quantity in the delivery documents against the quantity entered for the Sales Order documents.The delivery quantity might deviate from the quantity in the sales order item when the ATP check is not confirmed for the full ordered quantity.Also check if the plant 1010 and storage location 101S have been automatically determined for each item by the system. Select all items and choose More -> Goto -> Item -> Picking to check the data. |
| 6 | Create the second and third Outbound Delivery | To create the second and third Outbound Delivery, repeat step 2-5 with the second Sales Order number created previously in chapter Create Sales Order. | All Outbound Deliveries have been created for the Sales Orders. |  |

## Create Warehouse Tasks Manually

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori launch Pad using the role Warehouse Clerk (EWM). | The SAP Fiori launch Pad is displayed. |  |
| 2 | Access the App | Open Run Outbound Process - Deliveries (F1704). | The Run Outbound Process (F1704) screen displays. |  |
| 3 | Search Outbound Delivery Order | Make the following entries:Route Depart. Date: Start Date – End dateYou can use the calendar to select the Start and End Date and this period should cover the delivery date. To find out the information of the delivery date, check the Shipping tab in the Sales Order overview screen or go to Header > Shipment in the Outbound Delivery .Choose Go. | Outbound Delivery Orders that have a Route Depart. Date (corresponds to the Delivery Date in the Sales Order and Outbound Delivery) within the selection period display in the page. |  |
| 4 | Create Warehouse Tasks | Select your Outbound Delivery Order and choose Create Tasks. | Warehouse Tasks have been created successfully and system message Task Created displays. |  |
| 5 | Record Numbers to ID Sheet | Record the Outbound Deliveries Document Number, the Warehouse Door and the Route on your ID sheet.Check the Consolidation Group on the Outbound Delivery Order item level.Note Double click the Outbound Delivery Order header line until the items show in the lower part of the screen. Select an ODO item and then choose Switch to Form View.For customer: EWM10-CU01, this should be set toCG-CUST01. |  | Note T he Consolidation Group is used in this process to consolidate products and pack them into one or several shipping HUs to be delivered to the same Customer. |
| 6 | Create Warehouse tasks manually | Select two outbounddelivery orders and use the menu More > Outbound Delivery Order > Follow-on Functions > Warehouse Task on the upper-left screen.Select all Warehouse requests and choose Create + Save Warehouse Task. | The system confirms that warehouse tasks were created. |  |

Result

With the Sales Orders you have created with step 4.1Create Sales Order , the following warehouse tasks will be created:

Table 2: Warehouse Tasks Overview

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Purchase Order | Warehouse Task | Product | Picking Quantity | Note | Source Bin in | Follow-up Step Reference |
| 1st OR | Warehouse Task 2 | EWMS4-01 | 1 CAR | Non-pallet picking | Mezzanine | 4.5Pick Warehouse Orders from the Mezzanine |
| Warehouse Task 2 | EWMS4-02 | 1 CAR | Non-pallet picking | Mezzanine | 4.5Pick Warehouse Orders from the Mezzanine |
| If you create sales orders with full pallet quantity of EWMS4-01 and EWMS4-02, refer to 4.6 Pick Warehouse Orders from the High Rack Narrow Aisle. |
| 2nd OR | Warehouse Task 1 | EWMS4-10 | 2 PC | Non-pallet picking | Narrow Aisle High Rack Picking Area | 4.6.2.2Pick Partial Quantity from Narrow Aisle Picking Area |
| Warehouse Task 2 | EWMS4-11 | 1 PAL | Full pallet picking | High Rack Pallet Buffer or Narrow Aisle High Rack Picking Area(depending on the stock situation) | 4.6Pick Warehouse Orders from the High Rack Narrow Aisle, or4.6.2.1Pick Pallet Quantity from High Rack Picking Area |
| 3rd OR | Warehouse Task 1 | EWMS4-40 | 36 CAR | Full pallet picking | Product for Bulk Storage A, Short Lane (Partial Pallet Allowed) | 4.8.1Pick Pallet Quantities from the Bulk Storage A (Partial Pallets Allowed) |
| Warehouse Task 2 | EWMS4-40 | 2 CAR | Non-pallet picking | Product for Bulk Storage A, Short Lane (Partial Pallet Allowed) | 4.8.2Pick Non-Pallet Quantities from the Bulk Storage A (Partial Pallets Allowed) |
| Warehouse Task 3 | EWMS4-41 | 48 CAR | Full pallet picking | Product for Bulk Storage A, Long Lane (Partial Pallet Allowed) | 4.8.1Pick Pallet Quantities from the Bulk Storage A (Partial Pallets Allowed) |
| Warehouse Task 4 | EWMS4-42 | 6 PC | Full pallet picking | Product for Bulk Storage B (Partial Pallet not allowed) | 4.8.3Pick Pallet Quantities from the Bulk Storage B (No Partial Pallets) |
| Warehouse Task 5 | EWMS4-42 | 1 PC | Non-pallet picking | Picking Area for Bulk Storage B | 4.8.4Pick Non-Pallet Quantities from the Bulk Storage B Picking Area |

When there is not enough stock for a product, the system log might tell you that for some of the ordered items, a warehouse task could not be created. In this case, you need to make sure that the Storage Type from which picking shall take place is replenished. Either go through an inbound process or do the replenishment. For more information about, refer to 1FS or 1FU business process documentation. Once there is enough stock, you can create warehouse task manually again. The system then creates the missing warehouse tasks and you can proceed with the outbound processing as described.

## Check Warehouse Orders (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad using the role Warehouse Clerk (EWM). | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:Warehouse Number: 1010Monitor: SAPChoose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy in the left screen area, choose Outbound > Documents > Outbound Delivery a dialog box appears. |  |  |
| 5 | Enter Outbound delivery number | In the /SCWM/SAPLWIP\_Delivery\_Out dialog box, choose Multiple Selection for the Outb. Delivery Order field.Enter the Outbound Delivery Order numbers in the Single Value field.The Outbound Delivery Order numbers from the previous stepsChoose Copy.Then choose Execute. | The ODO is displayed in the upper-right screen area. |  |
| 6 | Display warehouse order | Choose Warehouse Order.Note the number of the Warehouse Orders on your ID sheet.Note the Queues on your ID sheet. | In the lower-right screen area, all the 4 (if all previous steps were successful) picking Warehouse Orders are displayed. |  |

Note Pay attention to the determined RF queues. Picking warehouse orders will be processed based on the queue they are assigned to. Picking activity areas are not Storage Type specific, they are aisle specific. Every time the user picks from Storage Type Y011 or Y051, it is important to know in which aisle the picking takes place. You can find the aisles, by simply examining the picking queues, as follows:

Table 3: Queues for Warehouse Orders

|  |  |  |
| --- | --- | --- |
| Queue (Example) | Picking Aisle | Comments |
| YO-N0 1-001 | Aisle 01(Pallet Buffer) | Picking from Aisle 01 to Handover Point |
| YO-N0 1-831 | Aisle 01(Picking Area) | Picking from Picking Area Aisle 01 to Packing Work Center |
| YO-N0 2-001 | Aisle 02(Pallet Buffer) | Picking from Aisle 02 to Handover Point |
| YO-N0 2-831 | Aisle 02(Picking Area) | Picking from Picking Area Aisle 02 to Packing Work Center |
| YO-021-831 |  | Picking from the Mezzanine to Packing Work Center |
| YO-041-831 |  | Picking from the Bulk Storage A to Packing Work Center |
| YO-042-831 |  | Picking from the Bulk Storage B to Packing Work Center |
| YO-052-831 |  | Picking from the Bulk Storage B Picking Area to Packing Work Center |

Note We recommend keeping this monitor view displaying the warehouse orders open while you continue with the next process steps in a separate Fiori Launch Pad window.

## Pick Warehouse Orders from the Mezzanine

### Pick from the Mezzanine

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YMEZZ-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  |  |
| 5 | Enter Queue Name | In the Queue field, enter YO-021-831.Note Queue for transferring the HU from the Mezzanine to the Packing Work Center.Since there are two warehouse tasks to pick cartons from storage type Y021 (Mezzanine) for the same customer, the warehouse worker will pick both items into the same Pick Handling Unit. Ideally, you check the Warehouse Order Number (Display Field: WO No.) that you are indeed working on the WO of your process example.Choose Enter. |  |  |
| 6 | Enter HU | Enter the HU number.For example, WBTRO-## |  | The Warehouse Worker may create the Pick HU by scanning the fixed ID of the used wire-basket trolley (the trolley’s bar code in a real-life use case) or letting the system assign an internal number (e.g. 8#######) automatically.The system proposes packaging material EWMS4-WBTRO00. |
| 7 | Create Handling Unit | Choose F2 Handling Unit Creation(Record the HU ID on your ID sheet.)Choose F4 Next. | The HU ID (no matter if you entered it or if the system assigned it) will be displayed. |  |
| 8 | Verify Source Bin | Verify Source Bin 021.##.##.##(this example depends on your material).To confirm or verify, please copy the required information into the verification field. In real life, it is the action of scanning the bar code and the relevant information goes into the verification field automatically..Choose Enter. | Verify the source storage bin for the first warehouse task (1 CAR of product EWMS4-01 belonging to the first item of sales order 1). |  |
| 9 | Enter Quantity | Copy the quantity ## which is next (left) to AQty: and Enter them to the White field. |  |  |
| 10 | Verify Destination HU | Verify Destination HU ########Choose Enter.Confirm the displayed destination HU ID (the operators pick HU) in the validation field next to the display field. | The screen slightly changes and display a different bin and product:The data for the second picking warehouse task is displayed. |  |
| 11 | Repeat the last two steps | As much as you have created Warehouse Tasks for Material (EWMS4-XX). | Confirm the displayed destination HU ID in the validation field next to the display field.Same HU ID as for the first warehouse task -> both products that are picked are now in the same pick HU. After you have confirmed the Warehouse Tasks for picking the goods (EWMS4-XX) in the Mezzanine, you confirm the movement of the pick HU to the Packing Work Center.“Physically”, both items are now in one Picking HU and are moved to the Packing Work Center. |  |
| 12 | Verify Destination Bin | Verify Destination HU 831.00.##Choose Enter.Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the specific bin number of the “bus stop” bin, which is automatically assigned to this consolidation group (here: Customer / Route). |  | A “bus stop” means a separate area in the Packing Work Center for all items of one consolidation group. In this example, all items of the 2 sales orders will be considered to be in the same consolidation group.If you only have this WO in the RF queue, the system issues the following message Suitable warehouse order were not found. |
| 13 | Verify Destination HU | Enter the HU For example, WBTRO-##Choose Enter. |  |  |
| 14 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Create Shipping Handling Unit(s) and Repacking

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

The non-pallet quantity for product EWMS4-01 picked from the storage type Y021 (Mezzanine).

The non-pallet quantity for product EWMS4-02 picked from the storage type Y021 (Mezzanine).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The Test RF Environment (/SCWM/RFUI) screen is displayed. |  |
| 3 | Enter Data for Test RF Environment UI | Whse No: 1010Resource: YPACK-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 04 Outbound Process > 02 Packing > 07 Manually repack HU Item .In order to reach the Manually repack HU Item, you have to scroll down to the second screen. |  | At this point, you could display the Packing Work Center Y831 App Pack Handling Units. This is a convenient way to follow the progress of the packing steps.At the same time, you can easily view the HU IDs you need on the RF screens.Use the copy and paste function to get the HU IDs.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |
| 5 | Enter Pack Center | In the Working Center field, enter Y831Choose Execute.Y831 is the Packing Work Center.The work center uses a “bus stop” concept.It has an incoming section where all Handling Units will be transferred based to on the Consolidation Group (for example, same customer and route).The bus stop bin will serve as a source bin in the staging process.For Shipping Handling Units (either based on packaging materials EWMS4-PAL00 or EWMS4-CAR00), an SSCC (Serialized Shipping Container Code) numbering is used. |  |  |
| 6 | Input Source HU(Test RF Environment UI) | Enter the Input Source (Srce HU):EWMS4-WBTRO00or8#######and choose Enter.Enter the HU ID you have used for the Pick HU when picking parts in the Mezzanine.Either you have let the system assign a number like 8####### or you used a fix ID for the Wire-Basket Trolley (for example, it’s license plate number). |  | You can also choose F3 ItLis to displays the products and quantities contained in that (pick) HU. Choose the line item and choose Enter to proceed. That item will be repacked in a Shipping Handling Unit after completing the next steps. |
| 7 | Select item | Choose F3 ItLisOn the following screen, make the following entries (or use the product / product’s EAN ID instead): 1and choose EnterThe system displays the products and quantities contained in that (pick) HU.Choose the first line, that is, your first non-pallet quantity product, which will be repacked in a Shipping Handling Unit. And set the number for example 1 into the white filed on the right corner below (first row).Choose Enter again. |  | The list shows the items that are currently contained in the Pick-HU, and they will be repacked in a Shipping Handling Unit after completing the next steps. |
| 8 | Enter the actual quantity | Choose Enter again, to get the possibility for setting the quantity.On the field AQty.Input ## CARDo not choose Enter!Note Enter the actual quantity.For the standard process example, use the quantity displayed. |  |  |
| 9 | Create Shipping HU | Choose F4 HUcrt.Then Enter on Dest. HU screen to open the following next fields.On the following screen make the following entries:Pack. Mat: EWMS4-CAR00Dest.Bin: 831.00.##Choose F1 Save.Record the Shipping Handling Unit number.Choose Enter. | The repacking of the non-pallet quantities into the second Shipping Handling Unit is completed.The preliminary HU label was created as spool request.You have now xx handling units, ready for starting the shipping process, at the bus stop bin for your consolidation group (same customer / same route) at the Y831 Packing Work Center.The Shipping Handling Unit has been created in the system.The used packaging material is set up for SSCC numbering: -> for example, 112345678#########The preliminary Handling Unit label with the SSCC number has been printed.The Packer attaches the (preliminary) Handling Unit label to the physical carton/box/pallet. | Note The packaging material is proposed by the system (Default Packaging Material)Note Enter the bus stop bin where the source Handling Unit is currently situated.For example, if the system used bus stop 01, enter 831.00.01 |
| 10 | Select Item(repeat the steps as long as you need Shipping HU) | Choose F3 ItLisOn the following screen, the system displays the products and quantities contained in the Pick-HU.Choose the remaining line, i.e. your second non-pallet quantity product, which will be repacked in a Shipping Handling Unit.Choose Enter. |  |  |
| 11 | Enter the Actual Quantity and Destination HU | Enter the following entries:AQty: ## CARDHU: 112345678#########Note Use the Shipping HU number that is created in step 9 as the Destination HU, so that all the product will be packed in the same Shipping HU. |  | After you finish repacking all the product from the Pick-HU, you will see the screen where the system prompts you to enter a Source HU (Srce HU). At this point, you can log off from the RFUI. |
| 11 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. | The repacking of the non-pallet quantities into the second Shipping Handling Unit is completed.You have now handling units created, it is ready for starting the shipping process, at the bus stop bin for your consolidation group (same customer / same route) at the Y831 Packing Work Center. |  |

## Pick Warehouse Orders from the High Rack Narrow Aisle

### Pick from High Rack Pallet Buffer

#### Pick Handling Units from High Rack Pallet Buffer

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YHLTR01-1(along with Queue YO-N01-001) or YHLTR02-1(along with Queue YO-N02-001)DefPresDvc:YE00Choose Enter. |  | Note YHLTR0#-1 is the High-level truck resource. Choose the resource depending on the aisles where the source bin is located. The number 01 or 02 in the resource ID indicates the aisle in which the resource is operating. The aisle is also reflected in the RF queues. |
| 4 | Choose Menu | Choose 01 System Guided 02 System Guided by Queue. |  |  |
| 5 | Enter Queue Name | Enter the Queue name:YO-N01-001 or YO-N02-001Choose Next. |  | If the source and target bin is located in aisle 01, use YO-N01-001 along with resource YHLTR01-1.If the source and target bin is located in aisle 02, use YO-N02-001 along with resource YHLTR02-1.The system displays a screen indicating the warehouse order, activity area, and offers empty entry fields for packing material and pick HU.To ensure to process data for your example, review whether the warehouse order number belongs to your example. |
| 6 | Proceed to next screen | Choose F4 Next. |  |  |
| 7 | Verify Source Bin | Verify Source Bin 011.##.##.##Verify AQty: enter target quantityNote To verify, copy the displayed Source Bin and Target Quantity in the validation field next to the display field.Choose Enter. |  | Note Verification: Confirm the displayed source bin and target quantity in the validation field next to the display field. |
| 8 | Display Destination HU | Check Destination HU 112345678#########orISU-HU##Choose Enter. |  |  |
| 9 | Verify Destination Bin | Verify destination bin 001.##.01Choose Enter.Confirm the displayed Destination Bin in the validation field next to the display field.## indicates whether you are operating in aisle 01 or 02. |  |  |
| 10 | Finish Warehouse Orders | (repeat the steps 6-9) As long as you have those in in the Queue/ Aisle |  |  |
| 11 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

#### Move Handling Unit from Handover Point to Packing Work Center

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue .The low-level truck is supposed to move HUs from the inbound staging areas to handover points (inbound processing) and from handover points to the Packing Work Center (outbound processing).To avoid empty trips, only the trip from the Packing Work Center back to inbound staging areas should be without HU. |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-001-831Note Queue for moving HUs from the handover point (any aisle) to the Packing Work Center.Choose Enter. |  | Note The low-level truck is supposed to move HUs from the inbound staging areas to handover points (inbound processing) and from handover points to the Packing Work Center (outbound processing).To avoid empty trips, only the trip from the Packing Work Center back to inbound staging areas can be without HU. |
| 6 | Verify Source Bin | Verify Source Bin 001.##.01## indicates the aisle of the handover point from where to pick |  |  |
| 7 | Verify Destination HU | Verify Destination HU 112345678#########orISU-HU##Verification:Confirm the displayed destination HU ID in the validation field next to the display field.Choose Enter. |  |  |
| 8 | Verify Destination Bin | Verify Destination Bin: 831.00.##Verification:Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Make sure this is the same as in the previous step when you have already moved goods to the Packing Work CenterChoose Enter. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Pick from High Rack Picking Area

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

From a RFUI handling point of view, the picking of Large Products (EWMS4-10 and EWMS4-11) from the High Rack Picking Area can be subdivided into 2 variations:

Variation 1:

The quantity to be picked requires the full pallet quantity on the pallet in the picking bin. That means the HU from the bin is entirely withdrawn (c.f. Complete HU Withdrawal)

In this case, the system does not make a proposal of a packing material to create Pick-HUs. The operator takes the pallet from the bin as is and use it as the Shipping HU. Repacking in the Packing Work Center is not needed.

Variation 1 is described under 4.6.2.1Pick Pallet Quantity from High Rack Picking Area in the process step sequence below.

Variation 2:

The quantity to be picked is a partial quantity on the pallet in the picking bin. That means you are doing a partial quantity pick with regards to the quantity on the pallet you are picking from.

In this case, the system proposes a packing material and the operator must create a new Shipping HU and a repacking in the Packing Work Center is needed.

Variation 2 is described under 4.6.2.2 Pick Partial Quantity from High Rack Picking Area process step sequence below

#### Pick Pallet Quantity from High Rack Picking Area

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc:YE00Note The YLLTR-1 is the Low-Level Truck resource.Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-N01-831orYO-N02-831If the source bin is located in aisle 01, use YO-N01-831If the source bin is located in aisle 02, use YO-N02-831The system displays a screen indicating the Warehouse Order Number, Activity Area. You should check the Warehouse Order Number (Display Field: WO No.) whether you are really working on a WO of your process example.We recommend keeping this monitor view displaying the warehouse orders open while you continue with the next process steps in a separate window.Choose Enter. |  | As described at the beginning of this section, you either do a partial quantity pick or a complete HU withdrawal. Based on the screen you see, you know which situation you are actually in.If you see a screen as:Pick HU: Field emptyPack.Mat.: EWMS4-PAL00Note the system proposes a packaging materialThen proceed with Procedure for Variation 1: Partial Quantity PickIf you see a screen as:Pick HU: Field emptyPack.Mat.: field emptyNote Note the system does not propose a packaging materialThen proceed with Procedure for Variation 2: Complete HU Withdrawal |
| 6 | Proceed to next screen | Choose F4 Next. |  |  |
| 7 | Verify Source Bin | Verify Source Bin 051.##.##.##Verification:Confirm the displayed source bin in the validation field next to the display field. |  |  |
| 8 | Verify Destination HU | Verify Destination HU 112345678#########orISU-HU##Verification:Note To verify, copy the displayed Destination HU ID in the validation field next to the display field.Choose Enter. |  |  |
| 9 | Verify Destination Bin | Verify destination bin 831.00.##Note To verify, copy the displayed Destination Bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Choose Enter. | If you only have this WO in the RF queue, the system issues the following system message Suitable warehouse order were not found. |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. |  |  |

Result

Important!

For the pallet quantity of products picked from Storage Type Y051, the Pick-HU will be used as the Shipping HU. As a result, no repacking is needed in the Packing Work Center Y831.

#### Pick Partial Quantity from High Rack Picking Area

##### Pick Partial Quantity

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc:YE00The YLLTR-1 is the Low-Level Truck resource.Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-N01-831orYO-N02-831If the source bin is located in aisle 01, use YO-N01-831If the source bin is located in aisle 02, use YO-N02-831Choose Enter. |  | Check your Warehouse Orders you noted down in step 4.4 Check Warehouse Orders (Optional) |
| 6 | Create HU | Enter in the field Pack.Mat: EWMS4-PAL00Choose F2 Handl and then choose F4 Next. | The system displays the generated HU ID 112345678#########. | With this, you create the Pick-HU based on the packaging material (here: EWMS4-PAL00).The HU ID is a SSCC number generated by the system. |
| 7 | Verify Source Bin | Verify Source Bin 051.##.##.##Verify AQty: enter target quantityTo verify, copy the displayed Source Bin in the validation field next to the display field.Choose Enter. |  |  |
| 8 | Verify Destination HU | Verify Destination HU 112345678#########Verification:To verify, copy the displayed Destination HU ID in the validation field next to the display field.Choose Enter. |  |  |
| 9 | Verify Destination Bin | Verify destination bin 831.00.##To verify, copy the displayed Destination Bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Choose Enter. | If you only have this WO in the RF queue, the system issues the following system message Suitable warehouse order were not found. |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. |  |  |

##### Create Shipping Handling Unit(s) and Repacking

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

The non-pallet quantity – 2 PC of product EWMS4-10 has been picked from the Storage Type Y051 (Narrow Aisle Picking Area) onto the packaging material EWMS4-PAL00.

Important!

If you would like to repack it together with other products (e.g. non-pallet quantity products picked from the Mezzanine as shown in 4.5 Pick Warehouse Orders from the Mezzanine ) to deliver to the same customer, you can follow the following procedure to perform the repacking steps. Otherwise, you do not need to perform this procedure and you use the Pick-HU from the previous step as the Shipping HU.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YPACK-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 04 Outbound Process > 02 Packing > 07 Manually repack HU Item . |  | In order to reach the Manually repack HU Item, you have to scroll down to the second screen.At this point, you could display the Packing Work Center Y831 App Pack Handling Units. This is a convenient way to follow the progress of the packing steps.At the same time, you can easily view the HU IDs you need on the RF screens.Use the copy and paste function to get the HU IDs.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |
| 5 | Enter Pack Center((Pack Handling Unit App)) | In the Pack Center field, enter Y831Choose Enter.Y831 is the Packing Work Center. |  | Note Y831 is the Packing Work Center.The work center uses a “bus stop” concept.It has an incoming section where all Handling Units will be transferred based to on the Consolidation Group (for example, same customer and route).The bus stop bin will serve as a source bin in the staging process.For Shipping Handling Units (either based on packaging materials EWMS4-PAL00 or EWMS4-CAR00), an SSCC (Serialized Shipping Container Code) numbering is used. |
| 6 | Input Source HU | In the field Srce HU, enter:112345678#########choose Enter.Note Enter the HU ID you created when picking partial quantity in the previous step. |  |  |
| 7 | Select item | Choose F3 ItLisOn the following screen, the system displays the products and quantities contained in the Pick-HU.Choose your line item that will be repacked in a Shipping Handling Unit.Choose Enter. |  |  |
| 8 | Enter the actual quantity | Choose Enter again, to get the possibility for setting the quantity.On the field AQty.Input ## CARDo not choose Enter!Enter the actual quantity.For the standard process example, use the quantity displayed. |  |  |
| 9 | Create Shipping HU | Choose F4 HUcrtThen Enter on Dest. HU screen to open the following next fields.On the following screen make the following entries:Pack. Mat: EWMS4-PAL00Dest.Bin: 831.00.##Choose F1 Save. | Record the Dest. Handling Unit number.Choose Enter. The repacking of the non-pallet quantities into the second Shipping Handling Unit is completed.The preliminary HU label was created as spool request.You have now xx handling units, ready for starting the shipping process, at the bus stop bin for your consolidation group (same customer / same route) at the Y831 Packing Work Center.The Shipping Handling Unit has been created in the system.The used packaging material is set up for SSCC numbering: -> for example, 112345678#########The preliminary Handling Unit label with the SSCC number has been printed.The Packer attaches the (preliminary) Handling Unit label to the physical carton/box/pallet. Note The packaging material is proposed by the system (Default Packaging Material) | Note Enter the bus stop bin where the source Handling Unit is currently situated.For example, if the system used bus stop 01, enter 831.00.01 |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. | The repacking of the non-pallet quantities into the second Shipping Handling Unit is completed.You have now handling units created, it is ready for starting the shipping process, at the bus stop bin for your consolidation group (same customer / same route) at the Y831 Packing Work Center. |  |

## Pick Warehouse Orders from the Bulk Storage

### Pick Pallet Quantities from the Bulk Storage A (Partial Pallets Allowed)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue .Note The low-level truck is supposed to move HUs from the Bulk Storage to Packing Work Center |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-041-831 or YO-042-831Note Queue for moving HUs from the Bulk Storage A to the Packing Work Center.Choose Enter. |  | This step is for Full Pallet quantities, this can be necessary for all material |
| 6 | Create a Pick HU (Full HU Withdrawal-Pallet) | Pick-HU.Pack.Mat:EWMS4-PAL00Choose F2Afterwards Choose F4 Next. | Pick-HU is created: 112345678######### | In a bulk storage type, the system does not propose a specific HU ID. The warehouse worker will always indicate the HU/pallet which was actually taken by scanning the ID on the HU label.”Therefore, find an empty HU via Warehouse Monitor APP in parallel. |
| 7 | Confirm Quantity | Which is proposed next to AQty and copy to the empty field. |  |  |
| 8 | Search for an empty HU | Take the Product which is currently shown and go to the Warehouse Management Monitor.Expand Stock and Bin → and Double-click on Available Stock. | /SCWM/SAPLSTOCK\_OVERVIEW\_MON appears |  |
| 9 | Enter your Product | Fiel in the Product which you need the HU for example EWMS4-41.Choose Execute. | Now you have to see related Material information’s like Quantity on the Warehouse Management Monitor SAP -Warehouse Number 1010 screen. |  |
| 10 | Navigate | Choose Physical Stock. | New screen opened on the lower section of the screen. | Here you can find the Handling Unit, which you need as Source HU in the next step. |
| 11 | Use an appropriate HU | Copy one Handling Unit 112345678#########orISU-HU##to the RFUI Field from Step 7, into the section SrceHU.Choose Enter. |  |  |
| 12 | Verify Destination Bin | Verify Destination Bin: 831.00.##Verification:Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Make sure this is the same as in the previous step when you have already moved goods to the Packing Work CenterChoose Enter. |  |  |
| 13 | Process 2nd HU | Repeat step 6-9 for the remaining HU´s. |  |  |
| 14 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Pick Non-Pallet Quantities from the Bulk Storage A (Partial Pallets Allowed)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue .Note The low-level truck is supposed to move HUs from the Bulk Storage to Packing Work Center |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-041-831Note Queue for moving HUs from the Bulk Storage A to the Packing Work Center.Choose Enter. |  |  |
| 6 | Create Handling Unit | Verify that this is proposed:Pack.Mat. EWMS4-PAL00Then choose F2 Handl (= Handling Unit Creation) without any entries.Choose F4 Next. | HU has to created: 112345678######### |  |
| 7 | Confirm Quantity | Which is proposed next to AQty and copy to the empty field. |  |  |
| 8 | Search for an empty HU | Take the Product which is currently shown and go to the Warehouse Management Monitor.Expand Stock and Bin → and Double-click on Available Stock. | /SCWM/SAPLSTOCK\_OVERVIEW\_MON appears. |  |
| 9 | Enter your Product | Fiel in the Product which you need the HU for example EWMS4-42.Choose Execute. | Now you have to see related Material information’s like Quantity on the Warehouse Management Monitor SAP -Warehouse Number 1010 screen. |  |
| 10 | Navigate | Choose Physical Stock. | New screen opened on the lower section of the screen. | Here you can find the Handling Unit, which you need as Source HU in the next step. |
| 11 | Use an appropriate HU | Copy one Handling Unit 112345678#########orISU-HU##to the RFUI Field from Step 7, into the section SrceHU.Choose Enter. |  |  |
| 12 | Process 2nd HU | Repeat step 11 for the remaining Hu´s. |  |  |
| 13 | Verify Destination Bin | Verify Destination Bin: 831.00.##Verification:Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Make sure this is the same as in the previous step when you have already moved goods to the Packing Work CenterChoose Enter. |  |  |
| 14 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Pick Pallet Quantities from the Bulk Storage B (No Partial Pallets)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue .Note The low-level truck is supposed to move HUs from the Bulk Storage to Packing Work Center |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-041-831 or YO-042-831Note Queue for moving HUs from the Bulk Storage A to the Packing Work Center.Choose Enter. |  | This step is for Full Pallet quantities, this can be necessary for all material. |
| 6 | Create a Pick HU (Full-Pallet) | Pick-HU.Pack.Mat:EWMS4-PAL00Choose F2.Afterwards Choose F4 Next. | Pick-HU is created: 112345678######### | In a bulk storage type, the system does not propose a specific HU ID. The warehouse worker will always indicate the HU/pallet which was actually taken by scanning the ID on the HU label.”Therefore, find an empty HU via Warehouse Monitor APP in parallel. |
| 7 | Confirm Quantity | Which is proposed next to AQty and copy to the empty field. |  |  |
| 8 | Search for an empty HU | Take the Product which is currently shown and go to the Warehouse Management Monitor.Expand Stock and Bin → and Double-click on Available Stock. | /SCWM/SAPLSTOCK\_OVERVIEW\_MON appears |  |
| 9 | Enter your Product | Fiel in the Product which you need the HU for example EWMS4-41.Choose Execute. | Now you have to see related Material information’s like Quantity on the Warehouse Management Monitor SAP -Warehouse Number 1010 screen. |  |
| 10 | Navigate | Choose Physical Stock. | New screen opened on the lower section of the screen. | Here you can find the Handling Unit, which you need as Source HU in the next step. |
| 11 | Use an appropriate HU | Copy one Handling Unit 112345678#########orISU-HU##to the RFUI Field from Step 7, into the section SrceHU.Choose Enter. |  |  |
| 12 | Verify Destination Bin | Verify Destination Bin: 831.00.##Verification:Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Make sure this is the same as in the previous step when you have already moved goods to the Packing Work CenterChoose Enter. |  |  |
| 13 | Process 2nd HU | Repeat step 6-9 for the remaining HU´s. |  |  |
| 14 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Pick Non-Pallet Quantities from the Bulk Storage B Picking Area

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue .The low-level truck is supposed to move HUs from the Bulk Storage to Packing Work Center |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-041-831Note Queue for moving HUs from the Bulk Storage A to the Packing Work Center.Choose Enter. |  |  |
| 6 | Create Handling Unit | Verify that this is proposed:Pack.Mat. EWMS4-PAL00Then Choose F2 Handl (= Handling Unit Creation) without any entries.Choose F4 Next. | HU has to created: 112345678######### |  |
| 7 | Confirm Quantity | Which is proposed next to AQty and copy to the empty field. |  |  |
| 8 | Search for an empty HU | Take the Product which is currently shown and go to the Warehouse Management Monitor.Expand Stock and Bin and Double-click on Available Stock. | /SCWM/SAPLSTOCK\_OVERVIEW\_MON appears |  |
| 9 | Enter your Product | Fiel in the Product which you need the HU for example EWMS4-42.Choose Execute. | Now you have to see related Material information’s like Quantity on the Warehouse Management Monitor SAP -Warehouse Number 1010 screen. |  |
| 10 | Navigate | Choose Physical Stock. | New screen opened on the lower section of the screen. | Note:Here you can find the Handling Unit, which you need as Source HU in the next step. |
| 11 | Use an appropriate HU | Copy one Handling Unit 112345678#########orISU-HU##to the RFUI Field from Step 7, into the section SrceHU.Choose Enter. |  |  |
| 12 | Process 2nd HU | Repeat step 11 for the remaining Hu´s. |  |  |
| 13 | Verify Destination Bin | Verify Destination Bin: 831.00.##Verification:Confirm the displayed destination bin in the validation field next to the display field.The ## indicates the number of the “bus stop” in the Packing Work Center where all HUs to be packed for one consolidation group are collected.Make sure this is the same as in the previous step when you have already moved goods to the Packing Work CenterChoose Enter. |  |  |
| 14 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff. Choose F1 Save. |  |  |

### Create Shipping Handling Unit(s) and Repacking

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

After completing the previous picking steps in the Bulk Storage, the HUs in the Packing Work Center look like the following:

* The non-pallet quantity (2 CAR) of product EWMS4-40 picked from the Storage Type Y041 (Bulk Storage A)
* The non-pallet quantity (1 PC) of product EWMS4-42 picked from the Storage Type Y052 (Bulk Storage B Picking Area)
* The third Handling Unit contains the pallet quantity of product EWMS4-40 picked from Storage Type Y041 (in this case Pick-HU= Shipping HU).
* The fourth Handling Unit contains the pallet quantity of product EWMS4-41 picked from Storage Type Y041 (in this case Pick-HU= Shipping HU).
* The fifth Handling Unit contains the pallet quantity of product EWMS4-42 picked from Storage Type Y042 (in this case Pick-HU= Shipping HU).

In this step, you repack the non-pallet quantity products into one Shipping HU.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YPACK-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 04 Outbound Process > 02 Packing > 07 Manually repack HU Item .In order to reach the Manually repack HU Item, you have to scroll down to the second screen.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |  | At this point, you could display the Packing Work Center Y831 App Pack Handling Units. This is a convenient way to follow the progress of the packing steps.At the same time, you can easily view the HU IDs you need on the RF screens.Use the copy and paste function to get the HU IDs.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |
| 5 | Enter Pack Center | In the Pack Center field, enter Y831Choose Enter.Y831 is the Packing Work Center.The work center uses a “bus stop” concept.It has an incoming section where all Handling Units will be transferred based to on the Consolidation Group (for example, same customer and route).The bus stop bin will serve as a source bin in the staging process.For Shipping Handling Units (either based on packaging materials EWMS4-PAL00 or EWMS4-CAR00), an SSCC (Serialized Shipping Container Code) numbering is used. |  |  |
| 6 | Input Source HU | Enter the Input Source:112345678#########orEWMS4-WBTRO00or8#######and choose Enter.Enter the HU ID you have used for the Pick HU when picking parts in the Mezzanine.Either you have let the system assign a number like 12345678####### . |  |  |
| 7 | Select item | Choose F3 ItLisOn the following screen, make the following entries (or use the product / product’s EAN ID instead): 1and choose EnterThe system displays the products and quantities contained in that (pick) HU.Choose the first line, that is, your first non-pallet quantity product, which will be repacked in a Shipping Handling Unit. Choose Enter again. |  |  |
| 8 | Enter the actual quantity | In the field AQty.enter 2 CARDo NOT choose Enter!Enter the actual quantity.For the standard process example, use the quantity displayed. |  |  |
| 9 | Create Shipping HU | Choose F4 HUcrt.Then Enter on Dest. HU screen to open the following next fields.On the following screen make the following entries:Pack. Mat: EWMS4-PAL00Dest.Bin: 831.00.##Choose F1 Save. | The Shipping HU has been created with SSCC numbering. For example: 112345678#########.Note down the Shipping Handling Unit number. | The packaging material is proposed by the system (Default Packaging Material)Note: In the Dest.Bin field enter the bus stop bin where the source Handling Unit is currently situated.For example, if the system used bus stop 01, enter 831.00.01Note In real business, the preliminary Handling Unit label with the SSCC number will be printed.The Packer then attaches the (preliminary) Handling Unit label to the physical carton/box/pallet. |
| 10 | Select Item | Choose F3 ItLisOn the following screen, the system displays the products and quantities contained in the Pick-HU.Choose the remaining line, i.e. your second non-pallet quantity product, which will be repacked in a Shipping Handling Unit.Choose Enter. |  |  |
| 11 | Repeat the steps | Steps 7-10As long as all HU are in one Storage Bin. |  |  |
| 12 | Enter the Actual Quantity and Destination HU | Enter the following entries:AQty: 1 PCDHU: 112345678#########Note Use the Shipping HU number that is created in step 9 as the Destination HU, so that all the product will be packed in the same Shipping HU. |  | After you finish repacking all the product from the Pick-HU, you will see the screen where the system prompts you to enter a Source HU (Srce HU). At this point, you can log off from the RFUI. |
| 13 | Logoff RFUI | You can use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. | The repacking of the non-pallet quantities into the second Shipping Handling Unit is completed.You have now the XX handling units created and it is ready for starting the shipping process, at the bus stop bin for your consolidation group (same customer / same route) at the Y831 Packing Work Center. |  |

## Close Shipping Handling Unit(s)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

Closing the ship HUs at the Packing Work Center means to document that they have been packed and can be prepared for shipping. With closing the Hus, you initiate the printing of the Shipping HU labels and the HU content list.

This step applies:

For the HU with different products you have packed together in a carton in the previous step, as well as the complete pallets which you can use 1:1 as they were taken from the pallet buffer.

With closing an HU in the packing process, you create the shipping label and content list as well as the warehouse task to move the HU to the next “step”. Usually, these HU IDs are already SSCC numbers.

In case you are using an HU that came into the system via an initial stock upload (see Basic Warehouse Inbound Processing from Supplier (1FS) test script), the HU ID has the format ISU-HU##. In this case, you could repack the HU from packaging material EWMS4-PALISU to EWMS4-PAL00. This way, you receive an HU ID in the SSCC format as expected.

.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YPACK-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 04 Outbound Process > 02 Packing > 08 Maintain HU .In order to reach the Repack 08 HU Maintenance, scroll down to the second screen. |  |  |
| 5 | Enter Work Center | In the Work Cntr field, enter Y831(Packing Work Center)Choose Enter. |  |  |
| 6 | Input Source HU | For example: 112345678#########or ISU10-##Depends, please verify with the Pack Handling Unit APP in parallel.The first shipping Handling Unit with the products picked in the Mezzanine and the picking area of the pallet rack, and which you have packed in the previous step into a HU with packaging material EWMS4-CAR00.Choose Enter. |  |  |
| 7 | Close HU | Choose F2 Close. | The message S: Handling unit ################## completed is displayed on the screen.Upon closing the Handling Unit, the system automatically prints (that is creates printing spool entries) the Shipping label and Content List of each shipping handling unit. |  |
| 8 | Repeat Steps | Repeat step 6-7 for the remaining Shipping HU number noted down from the section Create Shipping HU(S) at the Packing Work Center. | The Shipping Handling Units are closed and the process step is completed.The HU shipping labels are created as print spool requests.The HU content lists are created as print spool requests.The warehouse orders / warehouse tasks to process the staging of all HUs from the Packing Work Center to the outbound staging area are created. |  |
| 9 | Logoff RFUI | Choose function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. |  |  |

## Stage Shipping HUs

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Log On to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System guided > 02 System-guided By Queue . |  |  |
| 5 | Enter Queue Name | Enter Queue name:YO-831-920Queue for moving HUs from the Packing Work Center to the Outbound Staging Area.Choose Enter. |  | Note With App Pack Handling Units, you can monitor the whole packing process, where there are different HUs ready for shipping in the Outbound Staging Area.You can easily get the HU IDs using the copy and paste functionality and enter them in the RF transaction screens.In a real-life environment, the warehouse operator scans the barcode labels to identify the HUs. |
| 6 | Input Source Bin | Input 831.00.##and choose Enter.Note Ensure that the system displays the correct bin (“bus stop”) of the Packing Work Center.Later, the system will only accept HUs which physically reside on that bin (“bus stop”) |  |  |
| 7 | Input HU | Enter the first Shipping Handling Unit ID with non-pallet quantity.Input 112345678######### or ISU10-##and choose Enter. |  |  |
| 8 | Verify Destination Bin | GI-YD## and choose Enter.Verification:Note Confirm the displayed destination bin in the validation field next to the display field.The bin is assigned to the corresponding door. Specific routes use specific doors. In the example processes this is always Door 01 -> ## should equal 01. |  |  |
| 9 | Repeat Steps | Repeat steps 7 to 8 using the remaining Shipping Handling Unit with pallet quantity. |  |  |
| 10 | Logoff RFUI | Use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. |  |  |

## Display Loading Overview (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

The shipping clerk can get an overview of all HUs that are ready for loading in the Loading Workload by Route warehouse monitor node. The shipping clerk then decides to let the truck dock to the door when enough HUs are ready to be loaded.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Padwith the Warehouse Clerk (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:Warehouse Number: 1010Monitor: SAPChoose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, choose Outbound > Processes > LoadingDouble-click the Loading Workload per Route in the hierarchy tree. | A dialog box appears. |  |
| 5 | Enter Route Number | In the dialog box, enter:Route: TR0001Route Departure Date: dateChoose Execute.Note The departure date is in the past or today. Typically, use today’s date if your process example is “today”.When you do not get the expected selection result, you need to review the route and scheduling data of the related Sales Order or Outbound Delivery by using Apps Display Sales Order and Display Outbound Delivery (these two Apps can be accessed with role Internal Sales Representative and Shipping Specialist respectively).On the Header Data tab, review the fields:Route: TR0001(or 02 if you use customerEWM10-CU03) | The Loading Workload per Route is displayed in the upper-right screen.The HU to load column displays the number of HUs that are ready to be loaded for this route and departure date.Furthermore, the system displays the calculated volume and weight.Ideally, the HU to pack, pick items and item to release columns should be zero when all previous steps (picking, packing, staging) have been completed for the outbound delivery order items that are scheduled on the same route and departure date.The shipping clerk can now schedule a truck with matching weight and volume for this route and departure date. |  |

## Load Shipping Handling Unit(s)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Warehouse Operative (EWM) role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App Reply | Log on to Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010Resource: YLLTR-1DefPresDvc: YE00Choose Enter. |  |  |
| 4 | Choose Menu | Choose 04 Outbound Processes > 03 Loading > 05 Loading by HU .At this point you could view the Outbound Staging Area in App Pack Handling Units.As the 3 outbound staging areas are configured as 3 different “work centers”, you must use:Y921 - for the staging area to Door YD01Y922 - for the staging area to Door YD02Y923 - for the staging area to Door YD03This is a convenient way to see the HUs which are about to be loaded (especially the HU IDs for your process example!). At the same time, you can easily view which HU IDs you need in the RF screens. Use the copy and paste functionality to get the HU IDs.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |  | At this point you could view the Outbound Staging Area in App Pack Handling Units.As the 3 outbound staging areas are configured as 3 different “work centers”, you must use:Y921 – for the staging area to Door YO01Y922 – for the staging area to Door YO02Y923 – for the staging area to Door YO03This is a convenient way to see the HUs which are about to be loaded (especially the HU IDs for your process example!). At the same time, you can easily view which HU IDs you need in the RF screens. Use the copy and paste functionality to get the HU IDs.In a real-life environment, a warehouse operator would use the RF devices to scan HU IDs from the barcode label. |
| 5 | Enter HU number | In the HU field, enter the HU number noted down from the section Create Shipping HU(S) at the Packing Work Center.HU: 112345678######### or ISU10-##Enter the first HU ID of the HUs belonging to your process example.Choose Enter. |  |  |
| 6 | Verify the Destination Bin | Verify the Dest.Bin (Destination Bin)DstBin: DOOR-YDO#Choose Enter.Verification:Confirm the destination bin to the currently used door in the validation field next to the display field. |  |  |
| 7 | Repeat Steps | Repeat steps 5 to 6 using the other Shipping Handling Units for Unit of your process example.. | The door bin is verified, and the loading warehouse task from the staging area to the Door is completed.The status loading started is set for ODO. |  |
| 8 | Logoff RFUI | Use function key F7 to go back to previous screens.Choose F1 Logoff.Choose F1 Save. |  |  |

## Post Goods Issue for Outbound Delivery Order

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori launchpad with the Warehouse Clerk (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Run Outbound Process - Deliveries (F1704). | The Run Outbound Process (F1704) screen displays. |  |
| 3 | Search Outbound Delivery Order | Make the following entries:Route Depart. Date: Start Date – End dateYou can use the calendar to select the Start and End Date, and this period should cover the delivery date. To find out the information of the delivery date, check the Shipping tab on the Sales Order overview screen, or go to Header > Shipment in the Outbound Delivery .Choose Go. | Outbound delivery orders that have a Route Depart. Date (corresponds to the delivery date in the Sales Order and Outbound Delivery) within the selection period display in the page. |  |
| 4 | Post Goods Issue | STARTLISTITEMNUMBERED: Select your ODOs and choose Goods Issue. |  |  |

## Check Outbound Delivery (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Purpose

In this step, you check the (S/4HANA) outbound deliveries which were posted “goods issue”.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the SAP Fiori Launch Pad with the Shipping Specialist role. | The SAP Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Display Outbound Delivery (VL03N). |  |  |
| 3 | Select Delivery | Make the following entryOutbound Delivery: 8########(The first outbound delivery created in the system.)Choose Enter. |  |  |
| 4 | Check Delivery | On the Delivery ######## Display: Overview screen, go to the Status Overview tab page.Choose F1 Back.The user can go through all the steps of the current Test Script again and use a different customer (for example: EWM10-CU02 or …03) when creating sales orders.Customer EWM10-CU02 does not foresee combining sales orders during delivery processing. The order combination indicator will not be selected for the two sales orders. In this case, each delivery will be assigned to a different, “dynamic” consolidation group. Customer EWM10-CU03 uses the second route TR0002 and – like EWM10-CUST01 – uses order combination. | Make sure that the Total goods movement status is set to C-Completely.If this is not the case, check the document flow of your customer order, that is, if you did a partial goods issue in the previous step. |  |
| 5 | Repeat Steps | Repeat steps 3 to 4 if you created other outbound deliveries. |  |  |

## Appendix

### Process Integration

The process to be tested in this test script is part of a chain of integrated processes.

#### Preceding Processes

You may first have completed the following processes and conditions before you start with the test steps:

|  |  |  |
| --- | --- | --- |
|  | Business Condition | Comment |
| 1 | 1FS - Basic Warehouse Inbound Processing from Supplier | To ensure there is enough stock for use in the outbound process, you bring stock into the warehouse using inbound processing. |
| 2 | 1FU - Initial Stock Upload for Warehouse | Alternatively, (or in addition to the inbound processing), you complete an Initial Stock Upload for Warehouse as described in Initial Stock Upload(1FU) test script. |
| 3 | BNZ - Create New Open MM Posting Period | You have completed the step described in the Open New MM Period master data script. Posting Period is up to date. |

#### Succeeding Processes

The process to be tested in this test script is part of a chain of integrated processes. After completing the activities in this test script, the billing status in the Outbound Delivery is 'A - Not yet processed'. You can continue testing the following business process BD9 with the business role 'Billing Clerk - SAP\_BR\_BILLING\_CLERK' to complete the billing step until the billing status is 'C - Completed'.

|  |  |
| --- | --- |
| Process | Business Condition |
| Sell from Stock- BD9 | Complete all activities described in the test script of the scope item (Section Billing) using the master data from this document |

### Warehouse Management Monitor Handling

Purpose

The Warehouse Management Monitor is a central tool for the management staff in the warehouse to stay up-to-date with the current situation in the warehouse. It provides a wide range of queues with which historical and current data can be displayed. Within the monitor, it is also easy to navigate to transactions, assign tasks and warehouse resources and so on.

In this example, you search for the HU numbers, Warehouse Order and Warehouse task numbers specific to an inbound delivery in the Warehouse Management Monitor to facilitate the goods receipt and putaway warehouse task execution in the RF environment.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launch Pad | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:Warehouse Number: 1010Monitor: SAPChoose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy in the left screen area, choose Outbound > Documents > Outbound Delivery .A dialog box appears. |  |  |
| 5 | Enter Inbound Delivery Number | In the dialog box, enter the inbound delivery number and choose Execute. | The system displays the inbound delivery in the right screen area. |  |
| 6 | Display Data related to Inbound Delivery | Select the inbound delivery, and choose Warehouse Order.Choose Warehouse Task to display the WTs associated with the inbound delivery.Choose Handling Unit to display the HUs associated with the inbound delivery.In the Warehouse Monitor, a user can display all relevant data (for example, warehouse orders, warehouse tasks, HUs etc.) linked to a particular inbound delivery. This is an efficient way to monitor the progress of the related process. | The system displays the corresponding WO numbers to this inbound delivery document. If you choose the WO number, you navigate to the Warehouse Order display screen with further detailed information, such as the Warehouse Tasks that are contained in the Warehouse Order, the source and destination HU numbers and so on. |  |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

|  |
| --- |
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