|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA - 07-09-20 | public |
| Basic Warehouse Inbound Processing from Supplier with Quality Management (1V9\_DE) |

Table of Contents

[1 Purpose 3](#_Toc51123411)

[2 Prerequisites 4](#_Toc51123412)

[2.1 System Access 4](#_Toc51123413)

[2.2 Roles 4](#_Toc51123414)

[2.3 Master Data, Organizational Data, and Other Data 5](#_Toc51123415)

[2.4 Business Conditions 6](#_Toc51123416)

[2.5 RFUI Handling – Verification 6](#_Toc51123417)

[2.6 Preliminary Steps 7](#_Toc51123418)

[2.6.1 Check/Close Period for Material Master Records 7](#_Toc51123419)

[2.6.2 Create User Settings for Fiori App: Create Inbound Deliveries - Deliveries 7](#_Toc51123420)

[2.6.3 Set User Parameters for Warehouse Number and Warehouse Monitor 8](#_Toc51123421)

[2.6.4 Data Sheet for IDs 9](#_Toc51123422)

[3 Overview Table 10](#_Toc51123423)

[4 Test Procedures 12](#_Toc51123424)

[4.1 Create Purchase Order 12](#_Toc51123425)

[4.2 Create EWM Inbound Delivery 14](#_Toc51123426)

[4.3 Process Goods Receipt 15](#_Toc51123427)

[4.4 Check Warehouse Orders (Optional) 18](#_Toc51123428)

[4.5 Move Handling Unit(s) to Quality Inspection Center 21](#_Toc51123429)

[4.6 Record Inspection Results 23](#_Toc51123430)

[4.7 Make Usage Decision 24](#_Toc51123431)

[4.8 Putaway of Products from Quality Inspection Center to High Rack Pallet Buffer 27](#_Toc51123432)

[4.8.1 Move Pallets from Quality Inspection Center to Handover Point 27](#_Toc51123433)

[4.8.2 Putaway of Products from Handover Point to High Rack Pallet Buffer 30](#_Toc51123434)

[4.9 Move Handling Unit(s) to Blocked Stock Area 32](#_Toc51123435)

[4.10 Check Inbound Delivery (Optional) 34](#_Toc51123436)

[5 Appendix 36](#_Toc51123437)

[5.1 Process Integration 36](#_Toc51123438)

[5.1.1 Succeeding Processes 36](#_Toc51123439)

# Purpose

You can use this process to initially provide stock to bins of the different final storage types provided with the warehouse. It gives a good example how stock upload can be done, and is also a simple and quick way to set the stage for testing.

The stock data for the upload is provided via different sheets containing products and storage types. The upload creates handling units using an internal HU numbering instead of assigning Standard Shipping Container Codes (SSCC) as would be done in the basic inbound process. The upload always populates bins listed at the end of a storage type to avoid possible overlaps with bins occupied by standard processes.

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 prerequisites to conducting the test in terms of systems, users, master data, organizational data, and other test data and business conditions.

## System Access

|  |  |
| --- | --- |
|  | Details |
| System | Accessible via 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 |
| Purchaser | SAP\_BR\_BPC\_EXPERT | Operational Purchasing | SAP\_BR\_PURCHASER |  |
| Warehouse Clerk (EWM) | SAP\_BR\_WAREHOUSE\_CLERK\_EWM | Warehouse Office | SAP\_BR\_WAREHOUSE\_CLERK\_EWM |  |
| Receiving Specialist | SAP\_BR\_RECEIVING\_SPECIALIST | Receiving | SAP\_BR\_RECEIVING\_SPECIALIST |  |
| Warehouse Operative (EWM) | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM | Warehouse Floor | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM |  |
| Quality Technician  Quality Technician | SAP\_BR\_QUALITY\_TECHNICIAN | Quality Inspection | SAP\_BR\_QUALITY\_TECHNICIAN |  |
| Quality Engineer | SAP\_BR\_QUALITY\_ENGINEER | Quality Engineering | SAP\_BR\_QUALITY\_ENGINEER |  |

## 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 or the following sample data to go through the test procedure.

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | EWMS4-03 | EWM Prod. 03, Large Part, Slow-Mover | EAN: 9783836239684  UoM: 1 PAL = 4 PC |
| Packaging Material | EWM10-SU01  EWMS4-PAL00 | EWM Default Pallet with SSCC generation | UoM: PC |
| Supplier | EWM10-SU01 | EWM Supplier 01 |  |
| Company Code | 1010 | Company Code 1010 |  |
| Purchasing Organization | 1010 | Purch. Org. 1010 |  |
| Purchasing Group | 001 | Group 001 |  |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101S |  | Available for Sales |
| EWM Warehouse Number | 1010 |  |  |
| Receiving Point | 1010 | Company Code 1010 |  |
| Supply Chain Unit | YWAREHOUSE-1010 |  |  |
| EWM Warehouse Number | 1010 |  |  |
| Custodian | BP1010 |  |  |
| Entitled to Dispose | BP1010 |  |  |
| Shipping Office | YWAREHOUSE-1010 |  |  |
| Storage Type | Y001 | Narrow Aisle High Rack Hand-Over Point |  |
| Storage Type | Y011 | Narrow Aisle High Rack Pallet Buffer |  |
| Storage Type | Y820 | Quality Inspection Center |  |
| Storage Type | Y860 | Blocked Stock Area |  |
| Storage Type | Y910 | Inbound Staging Area |  |
| Queue | YI-910-820 | Inbound Staging Area to Quality Inspection Center |  |
| Queue | YI-820-011 | Quality Inspection Center to High Rack |  |
| Queue | YI-820-860 | Quality Inspection Center to Blocked Stock Area |  |
| Resource | YLLTR-1 | Resource for Narrow Aisle High Rack Storage | Resource Group: YLL0 |
| Resource | YHLTR01-1 | Resource for upper level of the pallet rack (aisle 1) | Resource Group: YHA1 |
| Resource | YHLTR02-1 | Resource for upper level of the pallet rack (aisle 2) | Resource Group: YHA2 |
| Resource | YREC-1 | Resource for High Rack Pallet Buffer |  |

## Business Conditions

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

|  |  |
| --- | --- |
| Business Condition | Comment |
| 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. |
| 1FS - Basic Warehouse Inbound Processing from Supplier  1FS | Basic Warehouse Inbound Processing from Supplier |

## 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

### Check/Close Period for Material Master Records

External Process

For this activity, run the following steps from the (BNZ) to close MM period and open new posting period.

Closing MM Period and Opening New Posting Period.

### Create User Settings for Fiori App: Create Inbound Deliveries - Deliveries

Context

In this step, you set up user settings that are necessary for the Fiori App Create Inbound Deliveries – Deliveries.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Create Inbound Deliveries - Deliveries (F1705). |  |  |
| 3 | Close the message Box | In case there is error message Before you start work, please set the default warehouse.  Choose Close. |  |  |
| 4 | Set Default Parameters | In the dialog box Default Parameters, make the following entries: Warehouse Number: 1010  Choose Save. |  |  |

### Set User Parameters for Warehouse Number and Warehouse Monitor

Context

In this step, you set up user parameter for warehouse number and warehouse monitor. As the browser always creates new backend connections for new browser windows, the usage of SET/GET parameters is limited.

Therefore, it is strongly recommended to set the following user parameters in your user master data. See more information in note 2348923 .

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Warehouse Clerk (EWM). | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON). |  |  |
| 3 | Switch off the Dialog Box | Choose Cancel to close the dialog box Warehouse Management Monitor.  Due to the limitation mentioned in note 2348923 , the default warehouse number and warehouse monitor cannot be saved here for the SAP Fiori Launchpad. |  |  |
| 4 | Choose Menu | Choose Start SAP Easy Access.  In the SAP Menu, choose Tools Administration User Maintenance Users. |  |  |
| 5 | Enter User Name | On the User Maintenance: Initial Screen, enter your user name.  Choose Change. |  |  |
| 6 | Set User Parameters | Choose the Parameters tab page and make the following entries for warehouse number  Set/Get parameter ID: /SCWM/LGN  Parameter value: 1010  On the 2nd line, make another parameter settings for warehouse monitor:  Set/Get parameter ID: /SCWM/MON  Parameter value: SAP  Choose Save.  Note Set the default value for warehouse number and warehouse monitor. |  |  |

### Data Sheet for IDs

Use

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

Procedure

Purchase Order to Supplier

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Object | Value | Comment |
| 4.1 | Purchase Order ID |  |  |

Inbound Delivery

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Object | Value | Comment |
| 4.2 | ASN Number / Supplier’s Delivery Note |  |  |
| 4.2 | Inbound Delivery ID |  |  |

Handling Units

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Object | Value | Comment |
| 4.3 | Handling Unit ID  Internal numbering |  | For product EWMS4-03 in Pieces (For example, 4 PC) |

Inspection Lot

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Object | Value | Comment |
| 4.4 | Inspection Lot |  | For product EWMS4-03 in Pieces (For example, 4 PC) |

You can also use the Warehouse Management Monitor to find the HU IDs.

# Overview Table

The scope item 1V9 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 | App Name / Transaction | Expected Results |
| [Create Purchase Order](#unique_13) [page ] 12 | Purchaser | Create Purchase Order - Advanced (ME21N) | Purchase Order is created. |
| [Create EWM Inbound Delivery](#unique_14) [page ] 14 | Warehouse Clerk (EWM)/ Receiving Specialist | Create Inbound Deliveries - Deliveries (F1705) | Inbound Delivery is created. |
| [Process Goods Receipt](#unique_15) [page ] 15 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | Goods are packed on Hus (Pallets).  Goods Receipt is processed.  Goods are detected as Quality Inspection relevant and an Inspection Lot is created.  Warehouse Task (Movement to QIC) is created. |
| [Check Warehouse Orders (Optional)](#unique_16) [page ] 18 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | Check the WO assignment to Inbound RF queues. |
| [Move Handling Unit(s) to Quality Inspection Center](#unique_17) [page ] 21 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | HUs are moved to the Quality Inspection Center. |
| [Record Inspection Results](#unique_18) [page ] 23 | Quality Technician | Record Inspection Results (F1685) | The Inspection Results are recorded. |
| [Make Usage Decision](#unique_19) [page ] 24 | Quality Engineer | Record Usage Decision (QA11) | The Usage Decision is made both on the Partial Quantity Level as well as on the Global Level.  The Follow-Up Action is triggered respectively. |
| [Putaway of Products from Quality Inspection Center to High Rack Pallet Buffer](#unique_20) [page ] 27 |  |  |  |
| [Move Pallets from Quality Inspection Center to Handover Point](#unique_21) [page ] 27 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The Products are moved from the Quality Inspection Center to the Handover Point. |
| [Putaway of Products from Handover Point to High Rack Pallet Buffer](#unique_22) [page ] 30 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The Products are moved to the Final Storage Bin in the High Rack. |
| [Move Handling Unit(s) to Blocked Stock Area](#unique_23) [page ] 32 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The Products are moved to the Blocked Stock Area. |
| [Check Inbound Delivery (Optional)](#unique_24) [page ] 34 | Receiving Specialist | Display Inbound Delivery (VL33N) | All inbound delivery items should have been updated and the correct stock posting situation has been documented.  In addition, you can check the stock situation in stock overview. |

# Test Procedures

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

## Create Purchase 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 on | Open the Fiori Launch Pad with the Purchaser role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Open Create Purchase Order - Advanced (ME21N). | The Create Purchase Order screen is displayed. |  |
| 3 | Enter Head Data | Enter following Data  Order Type: Standard PO  Vendor: EWM10-SU01  Doc.date: Current date  If the Header data is not visible, choose Expand Header.  Choose the Org.Data tab page.  Enter the following data:  Purchasing Org.: 1010  Purchasing Group: 002  Company Code: 1010 |  |  |
| 4 | Enter Default Value for Item Data | If the Item Overview is not visible, choose Expand Items.  Choose Default Values (lower screen area!).  The Item Default Values dialog box appears, make the following entries:  Plant: 1010  Storage Location: 101S  Choose Save. |  |  |
| 5 | Enter Data for the Item | Enter the following data:  Material: EWMS4-03  PO Quantity: 20  OUn: PC |  |  |
| 6 | Enter Confirmation Control | Choose Confirmations tab page.  Enter the following data:  Conf. Control: Inbound Delivery,  then choose Enter. |  |  |
| 7 | Save Purchase Order | Choose Enter.  If the message Order quantity violates rounding rules (See long text) appears, choose Enter.  If the message The effective price is…, the article price is … appears, choose Enter.  Choose Enter to confirm the message Can delivery date be met? Choose Save.  Note down the standard PO for later use. | Message Standard PO created under the number… appears. |  |

## Create EWM Inbound 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. |

Context

Upon creation of the inbound delivery, the external delivery note IDN (ASN) is entered and later used as reference criterion for Goods Receipt.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Open Create Inbound Deliveries - Deliveries (F1705) |  |  |
| 3 | Enter the Selection Data | Enter following Data  Vendor: EWM10-SU01  Planned Dlv. Date:  Start Date = Today – 1 Day  End Date = Today + 1 Month  Choose Go. |  |  |
| 4 | Choose the Purchase Order | Choose on the purchase order you have created. | The purchase order items are shown in the item list. |  |
| 5 | Enter the ASN number | Enter following Data  ASN: For example, ASN-45-#### where #### are the last "significant" digits of the corresponding Purchase Order ID. Example: ASN-45-0031  Note Here is an example. Normally the ASN number comes from supplier. |  |  |
| 6 | Select all the items | Mark the check box on the left-hand side of column Product | All the items are selected. |  |
| 7 | Create Delivery | Choose Create Delivery.  Note the ID of the Inbound Delivery on your ID sheet.  Note the ASN (Delivery Note) Number on your ID sheet. |  |  |

## Process Goods Receipt

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. |

Context

The warehouse operators at the inbound staging area are equipped with:

* an RF device
* a roll of pre-printed and barcoded HU labels

They are responsible for labeling and – if necessary – repacking the items (in real life but not supported by system functions), then posting goods receipt and creating subsequent putaway warehouse tasks in the system.

The system takes into account if the product is relevant for the Quality Inspection. In this case, by posting the Goods Receipt on the inbound delivery, the QM Inspection lot is created. By creating a Warehouse Task after posting the Goods Receipt, the relevant products will be moved to the Quality Inspection Center (storage type Y820).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launchpad with the Warehouse Operative (EWM) role. | The Fiori Launchpad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YREC-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu for Goods Receipt | Choose 03 Inbound Processes 04 Receiving of Handling Units 04 Rec. HU by ASN |  |  |
| 5 | Enter ASN number | Enter the ASN number from step 4.2  Choose Enter twice. |  |  |
| 6 | Enter Goods Receipt Data for 8 CAR of EWMS4-01 | Choose F2 NewHU. And enter the following values for the item:  Prod.: 9783836239684  Choose Enter after you have entered the EAN or product ID before you enter the other fields (a real mobile device would do this automatically)  ActQty: 4  UoM: PC  Choose F1 Next.  Note Alternatively, you can enter the product ID EWMS4-03  Make sure you enter 4 PC. | System automatically allocates the material EWMS4-03 via its EAN for Unit of Measure CAR.  Default UoM for the EAN number is filled automatically when using the EAN |  |
| 7 | Enter Packaging Material | Enter the packaging material:  New P. Mat.: EWMS4-PAL00  Choose Enter.  Note the HU IDs (SSCC numbering) created by the system on your ID sheet. |  |  |
| 8 | Repeat the Steps | Repeat steps 6. and 7. four times, to pack all 20 PC on 5 PAL in total (5 x 4 PC = 20 PC). |  |  |
| 9 | Post Goods Receipt | Choose Enter.  Choose F2 PGr.  Choose Enter.  Note The Unloaded field is automatically filled with X after choosing F2 PGr, meaning the unloading from truck to staging area is confirmed implicitly. | The Goods Receipt is now posted. |  |
| 10 | Create Warehouse Task | Choose F3 CrWT.  Choose F7 to go back.  Note You could directly continue with the warehouse task confirmation dialog using F4 Conf, but in this example process the assumption is that this is done separately in the next process step by another warehouse operator/resource. | The Putaway Warehouse Task to the Quality Inspection Center is created for each of the pallets, as well as the Putaway Warehouse Tasks to the final Storage Bin. In total there will be 10 Warehouse Tasks created.  The system created put-away warehouse tasks which can now be processed by other operators/resources.  Put-away strategy for the quality inspection relevant product EWMS4-03:  The task for moving the HU to the Quality Inspection Center (Storage Type Y820) is now created. |  |
| 11 | Logoff RFUI | Choose F7 four times to go back.  Choose F1 Logoff.  Choose F1 Save. | All the goods have been packed (HUs created), unloaded and posted GR.  During the processing, HUs were created. All HUs are located in the GR zone at this point of time.  Fiori tile Pack Handling Units can be used to display the storage type Y910 (at the same time a work center) for an overview of the HUs located at the Goods Receipt Zone / Inbound Staging Area. In this view, you can also see the Putaway Warehouse which was created in the steps before.  At the same time, you can display the inbound delivery along with the created warehouse tasks and Handling Units in the Warehouse Monitor APP (Inbound Documents Inbound Delivery). |  |

## 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. |

Context

At this stage of the process, the goods receipt has been posted, and respectively, the warehouse tasks have been created to move Handling Units to the next stop.

A supervisor may check the destinations of the HUs for an overview of the open workload. Therefore he uses the Warehouse Management Monitor.

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 on | Open the Fiori Launch Pad with the Warehouse Clerk (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: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy in the left screen area, choose Inbound > Documents > Inbound 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. |  |
| 7 | Display Inspection Document | In the Warehouse Monitor, select the inbound delivery and choose More Methods > Display Inspection .  In the document, you can check the Inspection Lot Number. In the tab Inspection Lot Quantities, you can check the sample size.  The sample size is determined as described below:  Lot Size: ≤ 10 PC – Sample Size: 1 PC  Lot Size: 10 ≤ 100 PC – Sample Size: 5 PC  Lot Size: 100 ≤ 1.000 PC – Sample Size: 10 PC  Lot Size: 1.000 ≤ 100.000.000 PC – Sample Size: 100 PC  Note Please note down the Inspection Lot Number created by the system on your ID sheet. |  |  |

## Move Handling Unit(s) to Quality Inspection 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. |

Context

An operator with an RF device picks up the storage containers from the GR zone (for example, the 5 handling units containing each 4 PC of product EWMS4-03) and moves them to the Quality Inspection Center. At the destination bin, the operator scans the bin, and packs the pieces into the bin.

The handling units (HUs) that contain each 4 PC of large part EWMS4-03 are to be put away to the Quality Inspection Center. The warehouse tasks are to be confirmed in the Radio Frequency environment. You use the queue or handling unit number to search for the Putaway warehouse task.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YALL-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  |  |
| 5 | Enter Queue Name | In the Queue field, enter YI-910-820.  Note It is likely that in the System-Guided Selection, certain unfinished warehouse activities may appear instead of the expected task. In this case, choose 03 Inbound Process > 03 Putaway > 01 Putaway by HU and enter the corresponding HU number in the HU field to process the task. |  |  |
| 6 | Enter HU | Enter one of the 5 HU IDs from step Process the Goods Receipt  HU: For example, 8#######  The HU ID from the previous step, containing 4 PC EWMS4-03. |  |  |
| 7 | Verify the Source HU | Verify the Source HU field by entering the HU number for the pallet to be put away to the first aisle of the High Rack Storage.  Choose Enter. |  |  |
| 8 | Verify the Destination Bin | Verify the Dest.Bin (Destination Bin): QIC-01  Choose Enter. | The warehouse tasks for the movement of the products from the Goods Receipt Area to the Quality Inspection Center is confirmed in the system.  The system automatically changes the stock type for this stock to "in Quality Inspection" (Q3)". |  |
| 9 | Repeat the Steps | Please repeat the steps 5 to 7 additional four times to confirm the warehouse tasks for all 5 HUs. | All Putaway Warehouse Tasks to move the goods to the Quality Inspection Center are completed. |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

## Record Inspection Results

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. |

Context

The next step is to start the Quality Inspection by recording the Inspection Results. Please check that a sample has been created automatically upon goods receipt for the purchase order.

In this example process, there was one piece from each pallet taken as a sample, so in case there are 20 PC which means 5 Pallets, the determined sample size is 5 PC. For these 5 PC we get the following inspection results:

* Length: The Mean Value of all 5 PC is 40 cm, so the value is ok and will be accepted.
* Surface: 4 PC have a smooth surface, so the value is ok for them. But 1 PC has scratches, which leads to the assumption that the whole pallet has scratches. The summarized decision is "Rejected". A remark can be added, e.g. "One Pallet is destroyed".

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Technician. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Record Inspection Results (F1685). | The Record Inspection Results (F1685) screen displays. |  |
| 3 | Enter Inspection Lot | Enter the Inspection Lot Number from step 4.4.  Choose Enter. |  |  |
| 4 | Choose Record Results | Choose Record Multiple Results in the bottom right. |  |  |
| 5 | Enter Inspection Result | Depending on the inspection result, enter for example the following values by selecting the respective line:  Surface: Code Group – Code  SURFACE Inspected: 5  Nonconf.: 1  Code: 0030 (Scratches)  Length: Mean Value (CM).  Inspected: 5  Mean Value: 40 | For qualitative characteristic (Surface) the search help is needed to select a value. For the quantitative characteristic (Length) a number can be entered directly.  The default number of inspected objects is calculated based on the sample size reviewed in an earlier step. The number of inspected objects can be manually changed. As well a number of nonconforming objects can be maintained directly in the respective fields for every inspection characteristic. |  |
| 6 | Save Inspection Lot | Choose Save. | The inspection lot is saved. The first step of the QM Inspection has been performed and the results have been recorded. |  |

## Make Usage Decision

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. |

Context

The inspection is done and the inspection result is recorded. You must decide whether to accept the assembly depending on the inspection result by recording a Collective Usage Decision.

ACCEPT the inspection lot: The physical stock will then be in a free stock type and the inspection lot number will be removed from the stock. The status "B – Waiting" of the final Putaway Warehouse Task will be removed which makes it possible to execute the task. The final storage location for pallets and large parts is be the High Rack. If you accept the inspection lot, please proceed respectively with step 4.8 Putaway of Handling Unit(s) to High Rack Narrow Aisle.

REJECT the inspection lot: In this case an internal Movement Task will be created automatically to move the products to the Blocked Stock Area. If you reject the inspection lot, please proceed with step 4.9 – Move Handling Unit(s) to Blocked Stock Area.

The Partial Quantity Decision is used to make a logistical decision upfront, for a certain part of the inspection relevant quantities. An example process would be to accept certain quantities and put them to the final bin, in order to avoid a production stop caused by limited resources.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad with the Quality Engineer role | The SAP Fiori Launchpad is displayed. |  |
| 2 | Open the Record Usage Decision App | Open the Record Usage Decision (QA11) App. | The Record Usage Decision (QA11) screen displays. |  |
| 3 | Enter Inspection Lot | Enter the Inspection Lot Number from step 4.4.  Choose Enter. |  |  |
| 4 | Check Inspection Results | The Inspection result which was entered in the previous step is displayed – Record Inspection Result. |  |  |
| 5 | EWM Inspection | Choose EWM Inspection on the top right corner. | Your 5 pallets are displayed. |  |
| 6 | Make Partial Quantity Decision | Choose one of the pallets and choose on the respective button in the column Action.  Depending on the inspection result, you could for example enter the following partial quantity decision:  Quantity: 4PC  Decision: R1 – Rejected-blocked Stock  Please select the line and choose Trigger Follow-Up  Select the other pallets and choose for each of them on the Action and enter the following partial quantity decision:  Quantity: 4PC  Decision: A1 - Accepted-unrestricted Stock  Please select the line and choose Trigger Follow-Up. | It is also possible to skip the Partial Quantity Decision and only make a Collective Usage Decision. |  |
| 7 | Close Handling Units | Select the first item and choose again the Action and then choose Close HU.  Please repeat this step for all of the pallets. | The Handling Units will be closed after executing step 8. |  |
| 8 | Confirm your entries | Confirm your changes in the EWM Inspection screen by choosing the Take Over Partial Lot Inspection. | The HUs are closed. The Partial Lot Inspection is taken over. The EWM Inspection screen is closed. |  |
| 9 | Enter UD code | Depending on the inspection result, please make for example the following collective usage decision and select Choose.  Positive Result.  UD code: UD1701 A2 (Accepted – unrestricted minor quality stock)  Choose Yes if dialog box Confirmation Prompt appear. |  |  |
| 10 | Save Usage Decision | Choose Save. | The usage decision is made with regards to the trading goods. The system automatically triggers the material movements by creating follow-up actions associated with the usage decision code. |  |

## Putaway of Products from Quality Inspection Center to High Rack Pallet Buffer

Context

The products are situated at the Quality Inspection Center and have to be moved. Based on the inspection result, it was decided that the products are accepted and will be moved to the final storage bin (High Rack).

### Move Pallets from Quality Inspection Center to Handover Point

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. |

Context

Before pallets are finally put away to the Narrow Aisle High Rack Storage, an operator first has to move them to the handover point (a handover point is an interim storage type physically located adjacent to or attached to the High Rack Storage).

The operator confirms the putaway warehouse tasks using the Radio Frequency environment. You use either Queue or Handling Unit number to search for the putaway warehouse task.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YLLTR-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  |  |
| 5 | Enter Queue Name | In the Queue field, enter YI-820-001.  Choose Enter.  All HUs from this step which are a “Pallet Handling Unit” are moved to the High Rack handover point in this process step. It is likely that in the System-Guided Selection, certain unfinished warehouse activities may appear instead of the expected task. If this is the case, choose 03 Inbound Process > 03 Putaway > 01 Putaway by HU and enter the corresponding HU number in the HU field to process the task. |  |  |
| 6 | Enter HU | Enter the HU ID from step 4.4.2 Check Warehouse Orders :  HU : 112345678#######Choose Enter.  The HU ID from the previous step, containing 4 CAR (= 1 PAL) EWMS4-03. |  |  |
| 7 | Verify the Source HU | Verify the Source HU field by entering the HU number for the pallet to be put away to the first aisle of the High Rack Storage.  Choose Enter. |  |  |
| 8 | Verify the Destination Bin | Verify the Dest.Bin (destination bin) field.  Note the storage bin on the ID sheet.  Choose Enter.  Note Low-level trucks first move the pallets from the staging area to storage type Y001 (handover point) before they are finally put away to the storage type Y011 (High Rack Storage). For example, a pallet being put away to Y001 – 02IN – 001.02.00 means it is put away to storage Y001, storage section 02IN (Incoming section for aisle 02) and storage bin 001.02.00, which is the storage bin assigned to the specific storage type and storage section combination.  Y001 – 01IN – 001.01.00 means the incoming section for aisle 01. |  |  |
| 9 | Repeat Steps | Repeat steps 4-7 three times for the other HUs of product EWMS4-03. Take a note of the storage bins. | Note The warehouse tasks for the movement of goods in pallets from the staging area to the handover point are confirmed. The previously inactive WT for putaway from handover point to High Rack storage is now active. |  |
| 10 | Logoff RFUI | After you have processed all the HUs, use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

### Putaway of Products from Handover Point to 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. |

Context

The products are finally moved to the final storage bin (High Rack) from the Handover Point.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource:  YHLTR01-1  For putaway in aisle 01.  YHLTR02-1  For putaway in aisle 02.  DefPresDvc: YE00  Choose Enter.  Note Use resource high-level truck YHLTR01-1 for putting away pallets from the handover point to the first aisle of the High Rack Buffer;  Use YHLTR02-1 for putting away pallets to the second aisle.  Check your data sheet to find out which aisle your pallets go to. |  |  |
| 4 | Choose Menu | Choose 01 System Guided 02 System Guided by Queue. |  |  |
| 5 | Enter Queue Name | In the Queue field, enter the following:  YI-001-N01  in case the putaway is intended in a bin of aisle 01 with resource YHLTR01-1.  YI-001-N02  In case the putaway is intended in a bin of aisle 02 with resource YHLTR02-1.  Choose Enter.  Note Which queue is to be used depends on to which aisle the pallets are to be put away. Check your data sheet to find out.It is likely that in the System-Guided Selection, certain unfinished warehouse activities may appear instead of the expected task. If this is the case, choose 03 Inbound Process > 03 Putaway > 01 Putaway by HU and enter the corresponding HU number in the HU field to process the task. |  |  |
| 6 | Verify the Source HU | Verify the Source HU field by entering the HU number for the pallet to be put away to the first aisle of the High Rack Storage.  Choose Enter. |  |  |
| 7 | Verify the Destination Bin | Verify the Dest.Bin (Destination Bin): 011.##.##.##  Choose Enter. |  |  |
| 8 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

## Move Handling Unit(s) to Blocked Stock 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. |

Context

The products are situated at the Quality Inspection Center and have to be moved. Based on the inspection result, it was decided that the products are rejected and will be put to the blocked stock area.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource:  YALL-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided then choose 02 System Guided by Queue. |  |  |
| 5 | Enter Queue Name | In the Queue field, enter the following:  YI-820-860  Choose Enter.  It is likely that in the System-Guided Selection, certain unfinished warehouse activities may appear instead of the expected task. If this is the case, choose 03 Inbound Process > 03 Putaway > 01 Putaway by HU and enter the corresponding HU number in the HU field to process the task. |  |  |
| 6 | Choose Next | Choose F4 - Next. |  |  |
| 7 | Verify the Source Bin, Source HU, Product, Quantity and Destination HU | Verify the S.Bin (Source Bin): Y820.YQIC.QIC-##  Verify the (Source HU): 11234567800000####  Verify the Prod. (Product): EWMS4-03  Enter the AQty. (Actual Quantity): 4  Enter the DestHU (Destination HU) in the right field: 11234567800000####  Choose Enter. |  | In this step, the DestHU (Destination HU) is the same as the SrceHU (Source HU). |
| 8 | Verify the Destination Bin | Verify the Dest.Bin (Destination Bin): Y860.YBLC.BLC-##  Choose Enter. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

## Check Inbound 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. |

Context

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

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Receiving Specialist role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Open Display Inbound Delivery (VL33N). | The Inbound delivery screen is displayed. |  |
| 3 | Select Inbound Delivery | On the Display Inbound Delivery screen, choose F4 (Matchcode Search).  In the Delivery (1) dialog box , choose External delivery number of vendor.  If you cannot see this option, choose the button with 3 full stop sign on the right hand side and choose it from the dropdown list.  Make the following entry:  External Delivery ID: ASN #  Choose Start Search.  Double-click the inbound delivery.  Enter the ASN / Vendor Delivery Note ID you have entered in step Create an Inbound Delivery. |  |  |
| 4 | Display Inbound Delivery | On the Display Inbound Delivery screen, choose Enter.  On the Inbound Delivery ######## Display: Overview screen, go to the Status Overview tab page.  Note In addition to checking the inbound deliveries, you can also check the stock situation on the Available for Sale storage location (101S) with Display Stock Overview app. | Check that the Total goods movement status is set to C-Completely (green background color) for the Overall Status as well as for the Delivery Item Status (usually 4 items). |  |

# Appendix

## Process Integration

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

### Succeeding Processes

After completing the activities in this test script, you can continue testing the following business processes:

|  |  |
| --- | --- |
| Process | Business Condition |
| 1G0 | Continue with the Scrapping Process for the Products in the Blocked Stock Area. |
| J45 | Continue purchase process for example to create supplier invoice in case with or without reduction. |

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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