|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA - 07-09-20 | public |
| Production Integration - Component Consumption and Receipt in Warehouse (1VB\_DE) |

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# Purpose

With this process you can tightly integrate warehouse execution with manufacturing operations using the Advanced Production Integration functionality of basic warehouse management in SAP S/4HANA. The warehouse execution for Production Orders is based on the Production Material Request (PMR) document. The PMR contains the information of component materials and quantities, which are needed for production.

This scenario supports warehouse execution for production orders in discrete manufacturing.

It enables you to synchronize the material flows between warehouse and production, and to improve inventory visibility and control as material movements are posted in real time in the warehouse. You stage components from the warehouse to the production supply area as they are required for manufacturing operations, and consume them from the production supply area. You receive finished goods and put them away as they arrive on a conveyor line from production into the warehouse. The finished goods are put away in the warehouse into the High Rack Narrow Aisle Storage (Storage Type Y011). You get fully RF/mobile enabled process steps.

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 |
| Production Planner | SAP\_BR\_PRODN\_PLNR | Production Planning | SAP\_BR\_PRODN\_PLNR |  |
| Production Supervisor - Discrete Manufacturing | SAP\_BR\_PRODN\_SUPERVISOR\_DISC | Discrete Manufacturing Execution Management | SAP\_BR\_PRODN\_SUPERVISOR\_DISC |  |
| Production Operator - Discrete Manufacturing | SAP\_BR\_PRODN\_OPTR\_DISC | Discrete Manufacturing Execution | SAP\_BR\_PRODN\_OPTR\_DISC |  |
| Warehouse Clerk (EWM) | SAP\_BR\_WAREHOUSE\_CLERK\_EWM | Warehouse Office | SAP\_BR\_WAREHOUSE\_CLERK\_EWM |  |
| Warehouse Operative (EWM) | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM | Warehouse Floor | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM |  |

### Master Data, Organizational Data, and Other Data

Default Values

The organizational structure and master data of your company was created in an SAP S/4HANA system during implementation. The organizational structure reflects the structure of an example company. The master data represents materials, customers, and suppliers, depending on the operational focus of the demonstrated processes.

The business process is enabled with this organization-specific master data. Examples are provided in the next section.

Use the following master data in the process steps described in this document:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | EWMS4-50 | FIN50,Fast Moving – 1 PAL = 6 PC. Finished Product | EAN: 9781592298686 (PC) |
| Material | EWMS4-502 | RAW502,Fast Moving – 1 PAL = 8 CAR = 48 PC. Component with Single Order Staging | EAN: 9781592294237 (CAR) |
| Material | EWMS4-503 | RAW503,Fast Moving – 1 PAL = 6 CAR = 48 PC. Component with Cross Order Staging | EAN: 9781592291069 (CAR) |
| Material | EWMS4-601 | RAW601,Fast Moving – 1 PAL = 24 CAR = 192 PC. Component with Crate Part Replenishment | EAN: 9781493210541 (CAR) |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101D | EWM Rec. on Dock |  |
| Storage Location | 101S | EWM Av. for Sale |  |

Bill of Material Structure

This overview shows the bill of material structure and the usage of each component if you have activated all optional enhancements.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Material | Level | Material Type | Unit | Characteristics of Material | Optional Enhancements |
| EWMS4-50 | 0 | FERT | PC | Finished Good |  |
| EWMS4-502 | 1 | RAW | PC | Component, Single-Order Staging |  |
| EWMS4-503 | 1 | RAW | PC | Component, Cross-Order Staging |  |
| EWMS4-601 | 1 | RAW | PC | Component, Crate Part |  |

For more information on creating master data objects, see the following [Master Data Scripts (MDS)](https://support.sap.com/content/dam/SAAP/Sol_Pack/BP_OP_ENTPR/BP_OP_ENTPR_S4HANA2020_7_Master_Data_EN_XX.htm) :

Table 1: Master Data Script Reference

|  |  |
| --- | --- |
| Master Data ID | Description |
| BNR | Create Product Master of Type "Trading Good" |
| BNT | Create Product Master of Type "Finished Good" |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| Create New Open MM Posting Period | You have completed the step described in the Create New Open MM Posting Period (BNZ) master data script. Posting Period is up to date. |
| Initial Stock Upload for Warehouse | To ensure the components are available in stock for production, make sure you have the following:  1 Full pallets (1 PAL = 48 PC) of product EWMS4-502 stored in Storage Type Y051  2 Full pallets (1 PAL = 48 PC) of product EWMS4-503 stored in Storage Type Y011  2 Full pallets (1 PAL = 192 PC) of product EWMS4-601 stored in Storage Type Y011  In order to have enough stock to be used for production, you can do an initial stock upload as described in the “Initial Stock Upload for Warehouse” (1FU)” test script. |
| Basic Warehouse Inbound Processing from Supplier  Replenishment in Warehouse | Alternatively, you can have the stock into the warehouse by running through the inbound processing and replenishment processing.  For component EWMS4-503 and EWMS4-601, refer to material EWMS4-10 in process- Basic Warehouse Inbound Processing from Supplier (1FS).  For component EWMS4-502, refer to material EWMS4-10 in process- Basic Warehouse Inbound Processing from Supplier (1FS) and Replenishment in Warehouse (1FY). |

## Preliminary Steps

### Maintain User (for RFUI Processing)

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

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 Test RF Environment (/SCWM/RFUI) 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 on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Choose Homeon top of the screen to open All My Apps list. In the App list, choose Maintain User Settings - Radio Frequency (/SCWM/USER) |  |  |
| 3 | Switch to Change Mode | On the Display View User Settings for Radio Frequency screen, choose Edit (Ctrl + F1) to switch to the edit mode. |  |  |
| 4 | Create New Entries | On the Change View User Settings for Radio Frequency screen, choose New Entries.  On the New Entries: Overview of Added Entries screen, enter the following data:  User : Your logon User  Prsn. Prof. : \*\*  Warehouse Number :1010  Resource: Y…-#  Note Choose a resource value, that 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 EWM Products

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

This step is to ensure that the components are available in stock for production.

Prerequisite

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number :1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, choose Stock and Bin > Available Stock | A dialog box displays. |  |
| 5 | Enter Product Number | In the dialog box, make the following entries:  Product Number: EWMS4-502  Choose Execute. |  |  |
| 6 | Check Available Stock for the Product | Note down the stock situation. |  |  |
| 7 | Repeat Step | Repeat step 4-6 for the following products:  EWMS4-503  EWMS4-601 |  |  |

Note Check the stock level for the EWM products. Make sure you have the following:

Note 1 Full pallets (1 PAL = 48 PC) of product EWMS4-502 stored in Storage Type Y051

Note 2 Full pallets (1 PAL = 48 PC) of product EWMS4-503 stored in Storage Type Y011

Note 2 Full pallets (1 PAL = 192 PC) of product EWMS4-601 stored in Storage Type Y011

Result

You have checked the stock for the EWM products used in the production processing.

In case you are lacking stock, you can either run through the “Basic Warehouse Inbound Processing from Supplier (1FS)” business process documentation for the products mentioned above, or do a stock upload as described in the next section ‘Create Stock for Production’.

See also chapter 1.2 Business Conditions.

### Create Stock for Production

External Process

To ensure there is enough stock to run Production Integration – Component Comsuption and Receipt in Warehouse (1VB) , you can create initial stock upload using the steps described in the Initial Stock Upload for Warehouse (1FU) with the following files attached in Note 2483936.

• isu\_Y051\_API\_EWMS4-502.csv

• isu\_Y011\_API\_EWMS4-503.csv

• isu\_Y011\_Y061\_API\_EWMS4-601.csv

After the initial stock upload, the stock should look like followings:

Table 1: EWM Producs for Production.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Product | Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| EWMS4-502 | Y051 | ISU10-HU43 | 051.02.14.02 | 48 PC |  | isu\_Y051\_API\_EWMS4-502.csv | 1 full pallet |
|  |  | ISU10-HU44 | 051.02.14.01 | 48 PC |  | isu\_Y051\_API\_EWMS4-502.csv | 1 full pallet |
|  |  | ISU10-HU45 | 051.02.13.01 | 48 PC |  | isu\_Y051\_API\_EWMS4-502.csv | 1 full pallet |
| EWMS4-503 | Y011 | ISU10-HU46 | 011.02.29.03 | 48 PC |  | isu\_Y011\_API\_EWMS4-503.csv | 1 full pallet |
|  |  | ISU10-HU47 | 011.02.28.04 | 48 PC |  | isu\_Y011\_API\_EWMS4-503.csv | 1 full pallet |
|  |  | ISU10-HU48 | 011.02.28.03 | 48 PC |  | isu\_Y011\_API\_EWMS4-503.csv | 1 full pallet |
|  |  | ISU10-HU49 | 011.02.27.05 | 48 PC |  | isu\_Y011\_API\_EWMS4-503.csv | 1 full pallet |
| EWMS4-601 | Y061 | ISU10-HU68 | 061.PSA.003.1 | 24 CAR |  | isu\_Y011\_Y061\_API\_EWMS4-601.csv | 1 full pallet |
|  |  | ISU10-HU69 | 061.PSA.003.1 | 24 CAR |  | isu\_Y011\_Y061\_API\_EWMS4-601.csv | 1 full pallet |
|  | Y011 | ISU10-HU70 | 011.02.30.03 | 24 CAR |  | isu\_Y011\_Y061\_API\_EWMS4-601.csv | 1 full pallet |
|  |  | ISU10-HU71 | 011.02.30.04 | 24 CAR |  | isu\_Y011\_Y061\_API\_EWMS4-601.csv | 1 full pallet |

### Create Control Cycle

Purpose

You use this procedure to create the control cycle that will be used for staging purposes.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP S/4HANA OP System. | The SAP S/4HANA OP is displayed. |  |
| 2 | Run Transaction | Run transaction LPK1 or choose Logistics > Logistics Execution > Master Data > Warehouse > Production Supply > Control Cycle Production Supply > Create . | The Create Control Cycle: Initial Screen (WM) screen appears. |  |
| 3 | Enter the data | On the Create Control Cycle: Initial Screen (WM) screen, make the following entries:  Material: <Blank>  Plant: 1010  Supply Area: PSA-Y001  Choose Enter. | The Create Control Cycle: Data Screen (WM) screen appears. |  |
| 4 | Maintain Control Cycle Data | On the Create Control Cycle: Data Screen (WM) screen, make the following entries:  Destination section  Staging Indicator: 5  Source section  Storage Location: 101S  Choose Save. |  |  |

# 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 or App | Expected Results |
| [Anonymous Forecast and MRP](#unique_12) [page ] 16 |  |  |  |
| [Create Planned Independent Requirements](#unique_13) [page ] 16 | Production Planner | Maintain PIRs (F3445) | The Manage PIRs screen is displayed. |
| [Material Requirements Planning at Plant Level](#unique_14) [page ] 18 | Production Planner | Schedule MRP Runs (F1339) | The Application Jobs screen is displayed. |
| [Evaluate Stock/Requirements Situation](#unique_15) [page ] 20 | Production Planner | Monitor Material Coverage - Net Segments (F0247A) | The Monitor Material Coverage screen is displayed. |
| [Conversion to Production Order](#unique_16) [page ] 21 | Production Planner | Check Material Coverage (F0251) | The Manage Material Coverage screen is displayed. |
| [Review Material Availability Status for Production Orders](#unique_17) [page ] 23 | Production Supervisor - Discrete Manufacturing | Check Material Coverage (F0251) | The Manage Production Order screen is displayed. |
| Production Order Processing |  |  |  |
| [Release Production Orders](#unique_18) [page ] 25 | Production Supervisor - Discrete Manufacturing | Check Material Coverage (F0251) | The Manage Production Order screen is displayed. |
| [Staging and Consumption](#unique_19) [page ] 28 |  |  |  |
| Plan Staging |  |  |  |
| [Check Production Material Requests (Optional)](#unique_20) [page ] 28 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| [Plan Staging](#unique_21) [page ] 31 | Warehouse Clerk (EWM) | Stage for Production (/SCWM/MFG\_STAGING) | The Stage for Production screen is displayed. |
| [Check Staging Warehouse Orders (Optional)](#unique_22) [page ] 33 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| Perform Staging of Products to the Production Supply Area |  |  |  |
| [Staging Products from Narrow Aisle Pallet Buffer](#unique_23) [page ] 36 |  |  |  |
| [Moving Pallets from Narrow Aisle Pallet Buffer to Handover Point](#unique_24) [page ] 36 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed. |
| [Moving Pallets from Handover Point to PSA](#unique_25) [page ] 39 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed. |
| [Staging Products from Narrow Aisle Picking Area](#unique_26) [page ] 41 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed. |
| [Perform Crate Part Replenishment](#unique_27) [page ] 44 |  |  |  |
| [Create Crate Part Replenishment Warehouse Task](#unique_28) [page ] 45 | Production Supervisor - Discrete Manufacturing | Replenish Stock (/SCWM/REPL) | The Schedule Replenishment screen is displayed. |
| [Check Crate Part Replenishment Warehouse Orders](#unique_29) [page ] 46 | Production Operator - Discrete Manufacturing | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| [Confirm Crate Part Replenishment Warehouse Tasks](#unique_30) [page ] 48 | Warehouse Clerk (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed. |
| [Consume Material during Production and Consumption](#unique_31) [page ] 48 |  |  |  |
| [Check PMR Material Requirements and PSA Stock Situation](#unique_32) [page ] 49 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| [Material Consumption at PSA](#unique_33) [page ] 51 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed. |
| [Check Goods Movement Posting for Production Consumption](#unique_34) [page ] 54 | Production Supervisor - Discrete Manufacturing | Display Production Order (CO03) | The Production Order Display: Initialscreen is displayed. |
| [Confirm Production Orders](#unique_35) [page ] 55 | Production Operator - Discrete Manufacturing | Confirm Production Order Operation (CO11N) | The Enter Time Ticket for Production Order screen is displayed. |
| [Check Status of the Production Material Requests (Optional)](#unique_36) [page ] 56 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| Clear the Production Supply Area |  |  |  |
| [Create PSA Clearing Warehouse Tasks](#unique_37) [page ] 58 | Warehouse Clerk (EWM) | Clear Production Supply Area (/SCWM/MFG\_STAGING\_REVERSAL) | The Clear Production Supply Area screen is displayed. |
| [Check Clearing Warehouse Orders](#unique_38) [page ] 60 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| [Move Products from the Productoin Supply Area back to the Warehouse](#unique_39) [page ] 62 |  |  |  |
| Moving products to Narrow Aisle Pallet Buffer |  |  |  |
| [Moving Products from PSA to Handover Point](#unique_40) [page ] 63 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed |
| [Moving Products from Handover Point to Narrow Aisle Pallet Buffer](#unique_41) [page ] 65 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed |
| [Moving Products to Narrow Aisle Picking Area](#unique_42) [page ] 67 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed |
| Receipt from Production |  |  |  |
| [Perform the Goods Receipt from Production](#unique_43) [page ] 70 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed |
| [Check Goods Movement Posting for Production Goods Receipt](#unique_44) [page ] 73 | Production Supervisor - Discrete Manufacturing | Display Production Order (CO03) | The Production Order Display: Initial screen is displayed. |
| Perform the Putaway of Finished Goods to the Final Bins |  |  |  |
| [Display Inbound Delivery and Check Putaway Warehouse Orders](#unique_45) [page ] 74 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |
| [Putaway Products to the Bulk Storage B](#unique_46) [page ] 76 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | The RFUI screen is displayed |

# Test Procedures

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

## Anonymous Forecast and MRP

Context

This chapter shows how Production Rrders are created with anonymous forecast and MRP run.

Note Alternatively you can create Production Orders manually without MRP to accelerate this process step. To do this, use App Create Production Order and use Order Type YBM1.

### Create Planned Independent Requirements

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

Planned independent requirements (PIR) are used to perform demand management functions. A planned independent requirement contains one planned quantity and one date, or a number of planned independent requirements schedule lines, that is, one planned quantity split over time according to dates.

Note Instead of creating a single requirement, sometimes a requirements plan that includes one or more planned independent requirements can be maintained for mass processing. In this case, the requirements are grouped and maintained under a requirement plan number.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Planner. | The SAP Fiori launchpad screen is displayed. |  |
| 2 | Access the App | Open Maintain PIRs (F3445). | The Maintain PIRs (F3445) screen is displayed. | When you start an MRP app for the first time, you have to specify your area of responsibility by selecting a combination of plant and MRP controller. In the app, you can change the area of responsibility in the MRP settings for your user. |
| 3 | Check Default Area of Responsibility | On the Manage PIRs screen, choose user icon and choose App Settings icon. In the MRP Settings dialog box, choose Area of Responsibility.  On the My Area of Responsibility screen, check if only the following entry is assigned:  Plant:1010  Plant Nmae:Plant 1 DE  MRP Controller: 001  Choose AOR status of this entry if not assigned, choose AOR status of corresponding entries to remove any other assignments then choose Back. |  |  |
| 4 | Select Material | On the Manage PIRs screen, enter material EWMS4-50 as a filter. |  |  |
| 5 | Filter Result | Choose Go to execute. | Material item is displayed. |  |
| 6 | Select Material Item | Choose the material item to display the Draft PIRs field. | The Draft PIRs view is displayed. |  |
| 7 | Draft PIRs | Add 6 PC. |  |  |
| 8 | Save PIRs draft | Choose Save Draft (bottom right). | The PIR Draft is saved. |  |
| 9 | Release PIRs | Choose Release PIRs (bottom right). | The first PIR is released. |  |
| 10 | Repeat Step | Repeat step 3 – 9 to create and release a second PIR. | The second PIR is released. |  |

### Material Requirements Planning at Plant Level

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 aim of material requirement planning is to tailor available capacities and receipts on time to suit requirement quantities. You can use MRP or consumption-based plan-ning for this purpose. Single-item multi-level requirement planning is performed for Plant 1010

Prerequisite

The finished product for MTS (EWMS4-50) is planned at plant level. There is now a requirement for the material Finished Product MTS (EWMS4-50) in Plant 1010

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Planner. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose Production Planning – MRP Runs and then choose Schedule MRP Runs (F1339). | The Application Jobs screen displays. |  |
| 3 | Enter Basic Parameters for New Job | Choose New (middle right section). On the New Jobs screen, make the following entries:  Job Template: Material Requirement Planning (MRP)  Job Name: MRP for EWMS4-50  Start Immediately: X  Plant: 1010  Material: EWMS4-50  BOM Components: x  Planning Mode: 1 |  |  |
| 4 | Enter Scheduling Parameters for New Job | Choose Add more scheduling options. On the Scheduling Information screen, make the following entries:  Start Schedule Immediately: x  Recurrence: Make sure it is unselected. |  |  |
| 5 | Schedule New Job | On the New Job screen, choose Schedule (bottom right section). | The new job was created and will display in the table of Application Jobs. |  |
| 6 | Refresh Application Jobs List | To check the status of the job you created, choose Go at the top right section of the screen. | The Application Jobs table is refreshed. |  |

### Evaluate Stock/Requirements Situation

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

After the requirement planning has been performed, you want to display the stock/requirements situation for the Finished Good MTS (EWMS4-50) in the stock/requirements list..

Prerequisite

Requirement planning has been carried out.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Planner | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Monitor Material Coverage - Net Segments (F0247A). | The Monitor Material Coverage screen displays. |  |
| 3 | Select Material | Mark the checkbox for the following materials, and then choose Manage Materials (bottom right).  Material: EWMS4-50 | The Material screen and Material Details screen display. |  |
| 4 | Review Stock/Requirements List | Select the corresponding material on theMaterial screen on the left. | The detailed Stock/Requirements List for each material displays. |  |
| 5 | Display Planned Order | From the list on the Material screen on your left, select the material for which you want to check the planned order.  Material: EWMS4-50  On the Material Details screen, click the PldOrd XXXX in column MRP Element. | The selected planned order displays on the screen. | If there is no shortage for those materials, the planned order will not be generated.  If you want to display more information about the planned order, on the right bottom of this pop-up, choose Open Planned Order. |

### Conversion to Production 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. |

Context

The daily MRP run creates planned orders for assembly. When the planned opening date is reached, the planned orders are converted to production orders.

Prerequisite

The MRP run has generated a planned order for Finished Pruduct EWMS4-50.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Planner. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Check Material Coverage (F0251). | The Find Material screen displays. |  |
| 3 | Select Material | Enter Material Number and select Plantand Shortage Definition. Then Choose OK.  Material: EWMS4-50  Plant:1010Plant 1 DE  Shortage Definition: MRP Standard | Manage Material Coverage screen displays. |  |
| 4 | Find Planned Order | Choose the generated planned order. | Order Information displays. | If no planned order generaged, it could be the case that there is sufficient stock for material EWMS4-50. Try removing (for example scrapping) some stock and begin the test from the beginning to create PIRs and run MRP. |
| 5 | Convert Planned Order to Production Order | Choose Change Order on the PldOrd dialog box, choose Convert to Production Order, and confirm the End Date and Quantity.  Choose OK to save Production order | The production order is created. |  |
| 6 | Repeat Step | Repeat step 4-5 for the second planed order | The 2nd production order is created. |  |

### Review Material Availability Status for Production Orders

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. |

Prerequisite

Production orders to be created for subassembly and final assembly.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori launchpad | Log onto the SAP Fiori launchpad as a Production Supervisor - Discrete Manufacturing | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose Production Control (Discrete) - Order Monitoring and then  Choose Manage Production Orders (F2336). | The Manage Production Orders (F2336) screen displays. |  |
| 3 | Check Default Area of Responsibility(superviosr) | On the Manage Production Orders screen, make the following entries:  To check Default Area of Responsibility (supervisor), select the user (from the top left corner): App Settings > Area of Responsibility Production Supervisor. Check only this entry is displayed:  Plant 1 1010  MTS DI – Valuated (YBE) | If no entry Plant 1 1010 in the Area of Responsibility(Supervisor) screen, choose Add to select it and then choose OK.  For other plant entries in the Area of Responsibility (Supervisor) screen, choose Delete to remove the others and then choose OK. |  |
| 4 | Select Production Order | On the Manage Production Orders screen, enter the following search condition as filter.  Choose Adapt Filters to display more selection filter. Choose More filters under Material. Check the checkbox for Material and choose Go. Choose OK. Material field is then added to filter bar.  Status :Created  Material:EWMS4-50  Choose Go to execute. | The Manage Production Orders screen displays. |  |
| 5 | Review Material availability status | Check the Missing Components icon on the right part of the order.  Choose the icon to display missing parts list. | The Manage Production Orders screen displays.  The following missing parts are expected for EWMS4-50.   * EWMS4-502 * EWMS4-503 * EWMS4-601   The shortage of raw materials are to be supplied after the Material Staging step. | Note It is possible that the materials above are not displayed as missing parts because they are already in the PSA after previous production and PSA remains uncleared. |

## Production Order Processing

### Release Production Orders

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

A release at order operation level results in the order and all its operations being released. The order and the operations receive the status REL (released).

Prerequisite

The production order created by the MRP controller is assigned a release date in accordance with the scheduling margin key.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Operator - Discrete Manufacturing | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose Production Control (Discrete) – Order Monitoring and then choose Manage Production Orders (F2336). | The Manage Production Orders (F2336) screen displays. |  |
| 3 | Check Default Area of Responsibility(supervisor) | On the Manage Production Orders screen, make the following entries:  To check Default Area of Responsibility (supervisor), select the user (from the top left corner): App Settings > Area of Responsibility Production Supervisor . Check only this entry is displayed:  1010  MTS DI – Valuated (YBE) |  | If no entry Plant 1 1010 in the Area of Responsibility(Supervisor) screen, choose Add to select it and then choose OK. For other plant entries in the Area of Responsibility (Supervisor) screen, choose Delete to remove the others and then choose OK. |
| 4 | Select Production Order | Enter the following search condition as filter.  Choose Adapt Filters to display more selection filter. choose More filters under ‘Material’ and ‘Plant’. Check the checkbox for Material and Plant and choose Go. Choose OK Material and Plant fields are then added to filter bar.  Status: Created  Material:EWMS4-50  Plant: 1010  Choose Go to execute. | The Manage Production Orders screen displays. |  |
| 5 | Execute Release | Check selected order. Choose Release on the top right corner. | The order is released. | Note If Release Order screen dialog box and says Non-Availability of Material, it means you have not made sufficient stock for EWMS4-50’s components. You can choose to Choose Release Order on dialog box screen to release order forcely. Or you can execute preliminary steps to create intial material stock and come back to release this order again. |
| 6 | Edit Order | On the Manage Production Operations screen, choose the icon (from the top right corner) and choose Edit Order. | The Manage Production Operations screen displays. |  |
| 7 | Execute Release | Choose More > Functions > Release .  Ensure REL occurred in Status field. | The Release carried out information displays. |  |
| 8 | Save changes | Choose Save. | The order is released and the Production Material Request creation is triggered. |  |

## Staging and Consumption

### Plan Staging

#### Check Production Material Requests (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

Check the existence of the PMR documents in the system. The PMR documents contain information about the Production Orders and provide the basis for the subsequent warehouse execution activities.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entreis:  Warehouse Number:1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | On the hierarchy on the left screen area, double- click Outbound > Documents > Production Material Request . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entreis:  Manufacturing Order: Production Order Number  Choose Execute. |  |  |
| 6 | Check PMR at Header Level | Check on the header level of the PMR the following:  Whether the Completion Status is Not Started and whether the Production Status is Released.  Whether the Quantity and the Planned Start and End Dates are the same as the Quantity and Dates of the Production Orders. | The Manage Production Operations screen displays. |  |
| 7 | Check PMR at Item Level | Select the PMR and choose Mat. Req. Items.  Check the products and quantities of each item. They should be the same as seen in the Production Order Component Overview.  Check the Staging Method of each item. It should be Single-Order Staging, Cross-Order Staging or Crate-Part Replenishment for each item.  Check whether each item has a PSA and a Goods Mvt. Bin assigned.   1. Check whether the Goods Issue status is set to Not Started and the Cmpl. Stat. is also set to Not Started. This means that no stock has been consumed for the respective items so far.   Check the assigned Operation in the field Op. or Ac. is set to 0010 and the assigned Work Center in the field Wrk. Center is set to WC-Y001 | All needed components are shown on item level. | 1. Single-Order Staging: Each Staging Warehouse Task has a reference to a single PMR. After this kind of warehouse task is confirmed, the stock on the PSA has a reference to the PMR item and thus only the referenced PMR can consume the stock. This Staging Method is used to stage products for a specific PMR. 2. Cross-Order Staging: Each Staging Warehouse Task has no reference to a PMR item. Thus, after the confirmation the stock can be used for consumption by every PMR that has an item with the respective product. This Staging Method is used to stage products that are used by several PMRs. The advantage is that the system cumulates the quantity of the needed stock over all PMRs and the stock could be moved for all PMRs at once. 3. Crate-Part Replenishment: Products that use the Crate Parts Replenishment need to be available at the PSA in huge quantities. Therefor these products are not relevant for staging. The system will create replenishment Warehouse Tasks if the stock falls below a threshold.   The assignment is configured in Fiori APP ‘Assign Bin to PSA. |
| 8 | Repeat steps for the 2nd Production Order | Repeat step 4-7 for the 2nd Production Order |  |  |

Result

In the system one PMR for each of the Production Orders exists. The Completion Status is Not Started and the Production Status is Released.

Both PMRs for the finished product EWMS4-50 contains the components EWMS4-502, EWMS4-503, EWMS4-601.

Staging Method “Single-Order Staging” is used for the components EWMS4-502

Staging Method “Cross-Order Staging" is used for the components EWMS4-503

Staging Method "Crate Part Replenishment" is used for the component EWMS4-601

#### Plan Staging

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 Line Operator plans the staging for several PMRs over a time period. He selects open PMRs for the PSA and checks the staging proposals and proposed quantities, changes them where necessary and creates Warehouse Tasks to stage the materials to the PSA. Staging Warehouse Tasks are created with source Narrow Aisle Storage (Storage Types Y011 and Y051) and destination PSA (Storage Type Y061). The PSA PSA-0001 in Storage Type Y061 contains three storage bins: • Y061.PSA.001.1, intended for the Single-Order Staging products • Y061.PSA.002.1, intended for the Cross-Order Staging products • Y061.PSA.003.1, intended for the Crate Part Replenishment product For Single-Order and Cross-Order Staging Products, the partial quantities will be picked from Narrow Aisle Storage Type Y051. Full pallet quantities will be picked from Nar-row Aisle Storage Type Y011. HUs for the Crate Part Replenished product will be picked only from Narrow Aisle Storage Type Y011.

Prerequisite

PMR documents with Completion Status Not Started exist in the system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM) | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Production Staging and Consumption and then choose Stage for Production (/SCWM/MFG\_STAGING). | The Stage for Production (/SCWM/MFG\_STAGING) screen displays. |  |
| 3 | Enter Search Criteria | If the Maintain Default Values dialog box, enter 1010 in the Warehouse Number field.  On the Staging for Production – Warehouse1010 screen, make the following entries:  Manufacturing Order: Production Order Number  Note Choose the + button to add the row for the 2nd production order  Production Supply Area: PSA-Y001 /1010  Choose Search. | The system proposes the staging quantity of the needed products for the two Production Orders.  The line operator if needed can manually adjust the quantity. | Note The Proposed Quantity for staging is calculated based on the Open Required Quantity of the PMR. The system considers existing staging Warehouse Tasks and the Open Goods Issue Quantity. If Open Required Quantity exists then the system proposes the Staging Quantity.The Proposed Quantity is calculated based on the setting in Fiori APP Assignment of Storage Bins to a Production Supply Area. The Min.Prd.Qty PSA serves as a threshold. If the sum quantity (Stock on Production Supply Area + Warehouse Task Quantity) is below this threshold, the system uses the Replmt Qty as staging proposal in field Proposed Quantity and Staging Quantity. You can manually adjust the quantity in field Staging Quantity. This logic applies to Cross-Order Staging products. |
| 4 | Check Staging Proposals | The product (for example EWMS4-502) is staged for a certain PMR. Thus a reference to a certain Manufacturing Order is shown. After the confirmation of the staging Warehouse Task to the final storage bin at the PSA, this product could be consumed only by the referenced Manufacturing Order.  For product (for example- EWMS4-503)that is staged across several PMRs, no Manufacturing Order reference is shown. If the Cross-Order Staged product is staged for only one PMR at the moment, the Manufacturing Order reference is shown. Despite that, these staged products could be also consumed by other PMRs after staging.  For Crate Part Replenishment product EWMS4-601, no staging proposal is shown and it is not possible to create staging Warehouse Tasks. |  |  |
| 5 | Create Staging Warehouse Tasks | To create the staging WTs for all products at once, select the corresponding staging proposals and choose Create Warehouse Task.  Write down the approximate time of the Warehouse Task Creation. | The Message "… warehouse tasks were created" appears. | Note In a productive system environment, a background job could continuously create the staging Warehouse Tasks.In case there is not enough stock available, the message "Error in WT creation for 1 requested items; see log for details" appears. Choose Display Application Log. The log show the message "System could not determine source storage bin". It tells you that not enough stock is available. In this case you need to make sure that the Storage Type from which picking takes place (Y011 or Y051) is replenished. This could be done either by using “Basic Warehouse Inbound Processing from Supplier (1FS)” test script or do a stock upload as described in the “Initial Stock Upload for Warehouse (1FU). |

Result

Several Staging Warehouse Tasks are created. They are grouped into Warehouse Orders.

#### Check Staging 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. |

Prerequisite

Several Staging Warehouse Tasks exist in the system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double-click Documents > Warehouse Task . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entries:  Open WTs: X  WTs on Hold: X  Product: EWMS4-502 and EWMS4-503  Creation Time: Date and Time  Production Supply Area: PSA-Y001 /1010  Choose Execute. | All open and on hold WTs with Destination Production Supply Area: PSA-Y001 /1010 are shown. | Note:  The On hold WTs are because the layout oriented storage control has created additional WTs to move HUs over the Narrow Aisle Handover Point (Storage Type Y001) and therefore the original WTs are on hold.  Based on the creation date and time for the warehouse task, you can enter a selection date and time range. To get only the Warehouse Tasks created in the previous process step, sort the Warehouse Tasks by Creation Date and Time.  Select the Supply Area because with Manufacturing Orders you see the Single-Order Warehouse Tasks and not the Cross-Order Staging Warehouse Tasks. |
| 6 | Display Warehouse Orders | Select the respective / all Warehouse Tasks and choose button and select Warehouse Order from list.  Note the Warehouse Order numbers and the related Queues. | All created Warehouse Or-ders will be shown. |  |

Note Pay attention to the determined RF queues. Staging Warehouse Orders will be processed based on the queue they are assigned to. Picking activity areas for Narrow Aisles Storage are not Storage Type (Y011 or Y051) specific. Instead, they are aisle specific. Every time a warehouse worker 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:

|  |  |  |
| --- | --- | --- |
| Queue (Example) | Picking Aisle | Comments |
| YO-N01-001 | Aisle 01 (Pallet Buffer) | Picking from Aisle 01 to Handover Point |
| YO-N01-061 | Aisle 01 (Picking Area) | Picking from Picking Area Aisle 01 to PSA |
| YR-N01-001 | Aisle 01 (Pallet Buffer) | Replenishment from Aisle 01 to Handover Point |
| YR-N01-061 | Aisle 01 (Picking Area) | Replenishment from Picking Area Aisle 01 to PSA |
| YO-N02-001 | Aisle 02 (Pallet Buffer) | Picking from Aisle 02 to Handover Point |
| YO-N02-061 | Aisle 02 (Picking Area) | Picking from Picking Area Aisle 02 to PSA |
| YR-N02-001 | Aisle 02 (Pallet Buffer) | Replenishment from Aisle 02 to Handover Point |
| YR-N02-061 | Aisle 02 (Picking Area) | Replenishment from Picking Area Aisle 02 to PSA |

Note We recommend keeping this monitor APP displaying the Warehouse Orders while you continue with the next process steps in a separate Fiori Launchpad session.

Result

Find out the Warehouse Orders numbers and the related RF queues.

### Perform Staging of Products to the Production Supply Area

#### Staging Products from Narrow Aisle Pallet Buffer

Context

A warehouse worker moves the products from the source storage bin in Narrow Aisle Storage (Storage Type Y011 ) to the PSA (Storage Type Y061). The HUs with full pallet quantities need to be moved from Storage Type Y011 over the Handover Point (Storage Type Y001) and then to the PSA.

After confirmation of the Warehouse Tasks to the final bin at the PSA, the staged products are available for consumption by the production.

##### Moving Pallets from Narrow Aisle Pallet Buffer 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

In this step the pallets are moved from high rack pallet buffer area (storage type Y011) to handover point (storage type Y001)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YHLTR01-1  (along with Queue YO-N01-001 and YR-N01-001) or YHLTR02-1(along with Queue YO-N02-001 and YR-N02-001)  DefPresDvc: YE00  Choose 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 . |  | Note It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task. If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |
| 5 | Enter Queue Name | Enter the Queue name:  YO-N01-001 or YR-N01-001orYO-N02-001orYR-N02-001  Note:  If the source and target bin is located in aisle 01, use YO-N01-001 or YR-N01-001 along with resource YHLTR01-1.  If the source and target bin is located in aisle 02, use YO-N02-001 or YR-N02-001 along with resource YHLTR02-1.  Choose Enter.  Choose F4 Next. |  | YO\* queue is for single-order staging products.  YR\* queue is for cross-order staging products.  To ensure to process data for your example , enter the Queue from previous process step Check Warehouse Orders . |
| 6 | Verify Source Bin | Verify Source Bin 011.##.##.##  Verify AQty: enter target quantity  Note:  Verification: Confirm the displayed source bin and target quantity in the validation field next to the display field.  Choose Enter. |  |  |
| 7 | Display Destination HU | Check Destination HU 112345678#########  or  ISU-HU##  Choose Enter. |  |  |
| 8 | Verify Destination Bin | Verify destination bin 001.##.##  Confirm the displayed Destination Bin in the validation field next to the display field.  Note:  ## indicates whether you are operating in aisle 01 or 02.  Choose Enter. |  | If there are more warehouse orders in that queue (Picking pallets in that aisle), repeat steps 6 to 8 until you have finished all warehouse orders in the queue / for that aisle. |
| 9 | Repeat Steps |  |  |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Note Execute the previous process step Check Staging Warehouse Orders (Optional) again to find the newly created Warehouse Orders for the movements from Y001 to Y061.

Result

The HUs containing the component products are moved to handover point.

##### Moving Pallets from Handover Point to PSA

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

After moving pallets from the Narrow Aisle Pallet Buffer (Y011) to Handover Point (Y001), new Warehouse Orders have been created automatically according to the set-tings made in the Layout Oriented Storage Control, to move pallets from the Handover Point (Storage Type Y001) to the Production Supply Area (Storage Type Y061). In this step the pallets are moved from the Handover Point to the PSA.

Prerequisite

Pallets have been moved from the Narrow Aisle Pallet Buffer (Y011) to Handover Point (Y001).

Note You can repeat previous step Check Warehouse Orders to find the newly created Warehouse Orders and their assigned queues for the movements from Y001 to Y061.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YLLTR-1  (along with Queue YO-001-061 and YR-001-061)  DefPresDvc: YE00  Choose Enter. |  | Note:  YLLTR-1 is the Low-level picker resource. It can reach low-level bins in all aisles. |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  | Note:  It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task.  If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |
| 5 | Enter Queue Name | Enter the Queue name:  YO-001-061 or YR-001-061  Note:  Queue for moving HUs from the handover point (any aisle) to the Production Supply Area.  Choose Enter. |  | YO-\* queue is for single-order staging products.  YR\* queue is for cross-order staging products.  To ensure to process data for your example , enter the new Queues found by repeating the previous process step 3.4.3 Check Staging Warehouse Orders . |
| 6 | Verify Source HU | Verify SrceHU: 112345678#########  or  ISU-HU##  Choose Enter. | Note:  Verification: Confirm the displayed Source HU ID in the validation field next to the display field. |  |
| 7 | Verify Destination Bin | Verify DstBin:061.PSA.00#.1  Note:  Verification: Confirm the displayed destination bin in the validation field next to the display field.  The # indicates the different places for products.  1 is for single-order staging products  2 is for cross-order staging products  3 is for crate-part staging products  Choose Enter. |  |  |
| 8 | Repeat Steps | Repeat step 5-7 for all Warehouse Orders. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The HUs containing the component products are moved from handover point to PSA

#### Staging Products from Narrow Aisle 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. |

Context

In case of partial quantities, the products will be picked from the Narrow Aisle Storage Picking Area (Storage Type Y051) and will be moved directly to the Production Supply Area (Storage Type Y061). After confirmation of the Warehouse Tasks to the final bin at the PSA, the staged products are available for consumption by the production.

Prerequisite

For the PMR documents several Staging Warehouse Tasks with Source Bin at Narrow Aisle Storage Picking Area and Destination Bin at PSA exist in the system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YLLTR-1  Note YLLTR-1 is the Low-level picker resource. It can reach low-level bins in all aisles. DefPresDvc: YE00 Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . | Note It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task.If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |  |
| 5 | Enter Queue Name | Enter the Queue name:  YO-N01-061 or  YO-N02-061 or  YR-N01-061 or  YR-N02-061  Note Queue for moving HUs from the Narrow Aisle Picking Area (any aisle) to the Production Supply Area.  Choose Enter. |  | YO-\* queue is for single-order staging products.  YR\* queue is for cross-order staging products.  To ensure to process data for your example , enter the Queues from the previous process step Check Staging Warehouse Orders . |
| 6 | Verify Source HU | Verify SrceHU: 112345678#########  or  ISU-HU##  Note Verification: Confirm the displayed Source HU ID in the validation field next to the display field. Choose Enter.   1. Choose F4 Next. |  |  |
| 7 | Verify Source Bin | Verify SBin: 051.##.##.##  Verify AQty:  Note:  Verification: Confirm the displayed Source Bin and Quantity in the validation field next to the display field.  Choose Enter. |  |  |
| 8 | Verify Destination Bin | Verify DstBin:061.PSA.00#.1  Note:  Verification: Confirm the displayed destination bin in the validation field next to the display field.  The # indicates the different places for products.  1 is for single-order staging products  2 is for cross-order staging products  3 is for crate-part staging products  Choose Enter. |  |  |
| 9 | Repeat Steps | Repeat step 5-8 for all Warehouse Orders. |  |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The HUs containing the component products are staged at the PSA. The stock is available for consumption

### Perform Crate Part Replenishment

Context

The product EWMS4-601 should be kept in a certain quantity at the PSA to ensure that always enough stock is available that could be consumed by the production lines. Therefore, the Crate Part Replenishment functionality is used in the production supply context, This process step is used to replenish the product as soon as the stock falls below a certain threshold.

As configured in Fiori APP Home > All My Apps > EWM Warehouse Setup > Assign Bin to PSA , there should be at least two Pallets of this material at the PSA (fields Min. No. Count and Qty. Class.), In case of insufficient stock of component EWMS4-601 in the PSA (stock falls below threshold of two pallets), the product shall be replenished by 2 PAL (fields Number of Containers and Qty. Class.).

Example:

After Initial Stock Upload, there are 2 PAL at the PSA. If the Crate Part Replenishment would be executed right now, no stock needs to be replenished. Assuming that now one pallet is consumed and the Replenishment is executed again, the system will recognize that the stock at the PSA dropped below the threshold of two pallets (open Warehouse Tasks to the PSA will be considered by the calculation). In this case it will create two Warehouse Tasks to replenish each one PAL of the Product EWMS4-601.

Replenishment source is Narrow Aisle Storage (Storage Type Y011) and destination is the PSA (Storage Type Y061) storage bin Y061.PSA.003.1.

#### Create Crate Part Replenishment Warehouse Task

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 | Log on to the Fiori Launch Pad as the Warehouse Clerk (EWM) role. | The 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 – Work Scheduling and then choose Replenish Stock (/SCWM/REPL). |  |  |
| 3 | Schedule Replenishment | On the Schedule Replenishment screen, make the following entries :  Crate Part Replenishment: X  Warehouse Number: 1010  Production Supply Area: PSA-Y001 /1010  Show Log Immediately: X  Choose Execute F8. |  | Note The Show Log Immediately checkbox is useful in a user dialog session, not when program is scheduled for background processing. In a productive system environment, a background job is scheduled continuously to create the replenishment Warehouse Tasks. If the message "No replenishment to execute" appears, this means that enough stock of the Crate Part Replenished product EWMS4-601 is available at the PSA. No replenishment needs to be done. Otherwise the system proposes Planned Replenishment Items. |
| 4 | Perform Replenishment | On the Select Replenishment Items screen, check the proposed quantity to be replenished. If necessary, change the quantity.  Check the WT Immed. checkbox.  Select the line item to be processed.  Choose Perform Replenishment(F8) | The message "… Warehouse Tasks were created for Replenishment" displays. | Note You can change the proposed replenishment quantity to a smaller quantity. In that case, it is easier for you to reach the threshold again (for example, with production consumption that immediately brings the stock under the threshold and, thus initiating an “Automatic Replenishment”). |

#### Check Crate Part Replenishment Warehouse Orders

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 to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double-click Documents > Warehouse Task . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entries:  Open WTs: X  Product: EWMS4-601  Storage Bin: Y061.PSA.003.1  Creation Time: Date and Time  Choose Execute . | All open WTs with the product and storage bin selection combination are shown. | Note Based on the creation date and time for the warehouse task, you can enter a selection date and time range. To get only the Warehouse Tasks created in the previous process step, sort the Warehouse Tasks by Creation Date and Time. |
| 6 | Display Warehouse Orders | Select the respective / all Warehouse Tasks and choose button and choose Warehouse Order from list.  Note the Warehouse Order numbers and the related Queues. | All created Warehouse Orders are shown. |  |

#### Confirm Crate Part Replenishment Warehouse Tasks

Procedure

Refer to the following process steps for details (queues and process are the same):

Moving Pallets from Narrow Aisle Pallet Buffer to Handover Point and

Moving Pallets from Handover Point to PSA

Result

Replenishment Warehouse Tasks for Product EWMS4-601 from Storage Type Y011 to the PSA (Storage Type Y061, Storage Bin Y061.PSA.003.1) were created and confirmed. Sufficient stock for production is available at the PSA.

### Consume Material during Production and Consumption

Context

This process step is used to consume products at the PSA.

During the production process, a Warehouse Worker at the production line posts the consumption in the system for the consumed products. The products can be consumed pallet-wise or piece by piece. The Goods Issue Posting for the consumed products updates the PMR documents first and is then transferred to the Financial.

The EWM component is used for the warehouse execution activities but not for manufacturing execution. In real business scenarios, often times separate manufacturing execution systems are used and also printouts / lists with the current production orders, needed materials and quantities are issued to the Warehouse Worker. With this information the Warehouse Worker can have an overview of the products he needs for production versus the stock at PSA.

In this process, the Warehouse Worker uses the SAP EWM Warehouse Monitor to display a complete list of all the needed products for a PMR and a list with the current stock situation at the PSA. There the worker can see all the currently staged stock so that he can consume the right stock / HU for the right PMR.

The first part of this process step is to find the right HUs at the PSA which could be consumed by the two PMRs. The second part then is to do the consumption posting using the RF device.

Prerequisites

Staging and Replenishment Warehouse Tasks have been created and confirmed to the final destination bins at the PSA. Thus, stock which could be consumed by the production is available at the PSA.

#### Check PMR Material Requirements and PSA Stock Situation

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 to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter Data for the Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double-click Outbound > Documents > Production Material Request . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entries:  Manufacturing Order: Both Production Order Numbers  Choose Execute. |  |  |
| 6 | Display Required Items | Select one of the PMRs and then choose Mat.Req.Items. | At item level the needed products and quantities for production are shown.  With that, the worker knows how many products need to be consumed for the particular PMR. |  |
| 7 | Display Consumption | Choose Consumption. | The stock that has been already consumed is shown. So far no stock should be consumed. |  |
| 8 | Repeat Step | Select the other PMR and repeat step 7 | The stock that has been already consumed is shown. So far no stock should be consumed. |  |
| 9 | Open a New Fiori Launchpad Session | Keep the current Fiori Launchpad session open for reference.  Start a new Fiori Launchpad session. |  |  |
| 10 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 11 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 12 | Enter Data for the Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 13 | Choose Menu | In the hierarchy on the left screen area, double-click Stock and Bin > Stock Overview . | A dialog box displays. |  |
| 14 | Enter Production Order Number | In the dialog box, make the following entries:  Production Supply Area: PSA-Y001 /1010  Choose Execute. |  |  |
| 15 | Display Physical Stock Situation | Select all lines.  Choose Physical Stock. | On item level all stock that is currently located at the PSA is shown. |  |
| 16 | Keep the Fiori Launchpad Session Open | Keep the current Fiori Launchpad session open for reference. |  |  |

Result

Based on the information in the two Fiori Launchpad Sessions (PMR items and Stock Situation in the PSA), the Warehouse Worker can see all stock at the PSA and can choose the matching HUs / stock for the consumption posting.

Stock that was staged for Single-Orders can be recognized by its document reference (Document Category PWR and the PMR Document number).

For Cross-order staging and Crate Part Replenishment products, the Warehouse Worker can choose from the stock without document reference.

#### Material Consumption at PSA

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 SAP Fiori launchpad with the Warehouse Clerk (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YOP-1  DefPresDvc: YE00  Choose Enter. | Note:  YOP-1is the Production Operator 1. |  |
| 4 | Choose Menu | Choose 04 Outbound Process > 05 Consumption > 01 Consumption by Manufacturing Order . |  |  |
| 5 | Enter Production Order Number | Enter the first Production Order number:  Choose Enter. |  |  |
| 6 | Enter Information for Materials to be Consumed | Enter HU / Bin: HU number  or  Storage Bin Number  Choose Enter. |  | Note Enter an HU which should be consumed (Warehouse Worker scans the HU at the bin). See open monitor sessions with the PMRs and the HUs at the PSA. If the material in the PSA has no HU, you can enter the bin number |
| 7 | Post Consumption | Choose Enter to post the consumption. |  | Note Choose SF3 ChU… (SHIFT+F3) to change the unit of measure if needed.Check and adjust the quantity if needed. Choose F4 FullQ (F4) for full quantity consumption. |
| 8 | Process the Next Component | Enter the next HU number or Bin number to consume the stock for next component. |  |  |
| 9 | Repeat Steps | Repeat step 6-8 until all products for the first Production Order are consumed or until no more suitable stock could be found at the PSA. |  |  |
| 10 | Repeat Steps | Repeat step 5-8 for the second Production Order. |  |  |
| 11 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The consumption is posted for all staged component products of the two Production Orders at this point in time.

Single-Order-Staged components could be consumed only by the referenced Production Order.

Cross-Order-Staged components could be consumed by every Production Order that needs this product.

Note Repeat Staging, Replenishment and Consumption Process Steps

Sometimes not all products have been staged to the PSA in the previous process steps due to insufficient stock, and thus not all products needed for the production have been consumed.

This process step is used to check if additional stock needs to be staged or replenished to the PSA and to post consumption for the remaining quantities.

Please refer to step Check Production Material Requests and do the following checks for the Mat.Req.Items:

• Check Staging Status for every item. If the status is not "Completed", it means that additional staging needs to be done.

To do additional staging, repeat the following process steps:

o Perform Staging of Products to the PSA

o Perform Crate Part Replenishment

• Check Goods Issue Status for every item. If the status is not "Completed", it means that additional consumption needs to be done.

To do additional consumption, repeat the following process step:

o Consume Products during Production

• Check Consumption.

The stock that has been already consumed is shown.

It is also possible to consume more or less products compared to what the PMR document indicates, and the system updates the consumed quantity in PMR doc-uments.

• In the Warehouse Monitor, check Stock and Bin → Stock Overview in Production Supply Area: PSA-Y001 /1010Select all lines and Choose Physical Stock. On item level all stock that is currently located at the PSA is shown.

At the end of Staging and Consumption, for all Production Orders the Staging Status and Goods Issue status on item level should be set to Completed.

### Check Goods Movement Posting for Production Consumption

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

Each Production Consumption posting is automatically transferred to the Financials Component as Goods Movement Posting.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori Launchpad | Log on to the SAP Fiori Launchpad as a Production Supervisor - Discrete Manufacturing | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Display Production Order (CO03). | The Production Order Display: Initial Screen screen displays. |  |
| 3 | Select Production Order | On the Production Order Display: Initial Screen screen, enter the Production Order number and then choose Continue. | Selected order displays. |  |
| 4 | Check Goods Movement Documents | Choose from Menu More > Goto > Documented Goods Movements . | Goods Movement Documents overview displays. | All goods movement postings are listed here. Movement Type 261 indicates a Goods Issue Posting for a (Production) Order. No Outbound delivery is created, only Goods Movement Postings are used (this different to the prior production integration) |

### Confirm Production Orders

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 the usual business practices, confirmations of all assembly activities of the production order are executed before posting the goods receipt.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as a Production Operator - Discrete Manufacturing | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Display Production Order (CO03). | The screen displays. |  |
| 3 | Enter Time Ticket | On the Enter Time Ticket for Production Order screen, make the following entries:  Order: Production order number(production order number you have created before)  Operation:last operation number, for example 0010.  Confirm. type: Final confirmation |  |  |
| 4 | Confirm with Enter | Confirm your entries with Enter. |  |  |
| 5 | Enter Amount to Confirm | Make the following entries:  Yield: Quantity of prod. order less scrap, enter the amount you want to confirm  Scrap: enter the amount you want to Scrapplease input this quantity if you want to run scrap report" | The confirmation of the operation is performed. |  |
| 6 | Save | Save your entries. |  |  |

### Check Status of the Production Material Requests (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

When the Production Status is set as ‘Completed’ in the production orders header level, the status change is communicated to the EWM PMR document. When this hap-pens, no more staging Warehouse Tasks can be created. However, Consumption Postings and Goods Receipt Postings are still possible. This process step is used to check the status change in the EWM PMR documents.

Prerequisite

Complete status set in Production Orders in previous process step.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter Data for the Warehouse Monitor | In the dialog box, make the following entreis:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double click Outbound > Documents > Production Material Request. | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entreis:  Manufacturing Order: Both Production Order Numbers  Choose Execute. |  |  |
| 6 | Display Required Items | Select on of the PMRs and then choose Mat.Req.Items.  Check the Production Status on the header and the item level. | the Production Status on the header and the item level are Completed. |  |
| 7 | Repeat Step | Select the other PMR and repeat step 6 |  |  |

Result

Production Status on header and item level is set to Completed.

### Clear the Production Supply Area

#### Create PSA Clearing Warehouse Tasks

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

After the staging and consumption is finished the line operator checks if there are unused / unconsumed products at the PSA. This process step is used to create Ware-house Tasks for the Clearing of the Production Staging Area. All staged and unconsumed products that are not needed anymore for PMRs in status Completed will be moved back to the Narrow Aisle Storage (Storage Type Y011 and Y051, depending on full or partial pallet quantity). If no storage bin can be found in the Narrow Aisle Stor-age, the products will be moved to the Clarification zone Y970. The Crate Part Replenished Product EWMS4-601 will not be cleared from the PSA. The assumption is that this product will be also needed by the next Production Orders and it is then needed in huge quantities.

Prerequisite

Status Completed set for the two Production Orders.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Production Staging and Consumption and then choose Clear Production Supply Area (/SCWM/MFG\_STAGING\_REVERSAL). | The Clear Production Supply Area (/SCWM/MFG\_STAGING\_REVERSAL) screen displays. |  |
| 3 | Check Default Area of Responsibility(superviosr) | On the Clear Production Supply Area screen, make the following entries:  Production Supply Area: PSA-Y001 /1010  Requirement Start Date :Date in PMR documents  Choose Search. | stock that is not needed any more at the PSA is shown. |  |
| 4 | Release Document Reference (Optional) | Select the entry / stock with a reference to a Manufacturing Order document.  Choose Release Reference Document. | Message " … stock items released" is shown. | Note If stock with a reference to a Manufacturing Order document is shown, this means that this stock was staged with the single-order staging method. Before this stock can be moved back to the warehouse, the document reference needs to be released. |
| 5 | Create Clearing Warehouse Tasks | To create the Clearing WTs for all products at once, select all the products that are supposed to be moved back to the warehouse.  Choose Create Warehouse Task.  Write down the approximate time of the Warehouse Task Creation. | The Message "… warehouse tasks were created" appears. |  |

Result

The clearing Warehouse Tasks for unconsumed stock on the PSA are created.

#### Check Clearing Warehouse Orders

Prerequisite

Several Clearing Warehouse Tasks exist in the system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entreis:  Warehouse Number: 1010  Monitor: SAP  Choose Execute . |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double click Documents > Warehouse Task . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entreis:  Open WTs: X  WTs on Hold: X  Strage Type (in Transaction Data Section): Y061  To Data (in Transaction Data Section):  Creation Time: Date and Time  Choose Execute . | All open and on hold WTs with Source Storage Type Y061 are shown. | Note The On hold WTs are because the layout oriented storage control has created additional WTs to move HUs over the Narrow Aisle Handover Point (Storage Type Y001) and therefore the original WTs are on hold. Remove the default checkbox of the To Data field. Based on the creation date and time for the warehouse task, you can enter a selection date and time range. To get only the Warehouse Tasks created in the previous process step, sort the Warehouse Tasks by Creation Date and Time. |
| 6 | Display Warehouse Orders | Select the respective / all Warehouse Tasks and choose button and select Warehouse Order from list.  Note the Warehouse Order numbers and the related Queues. | All created Warehouse Orders will be shown. |  |

|  |  |  |
| --- | --- | --- |
| Queue (Example) | Putaway Aisle | Comments |
| YI-061-001 | Aisle 01 (Pallet Buffer) | Handover Point from PSA |
| YI-061-N01 | Aisle 01 | Putaway to Aisle 01 from PSA |
| YI-061-N02 | Aisle 02 | Putaway to Aisle 02 from PSA |
| YI-001-N01 | Aisle 01 | Putaway to Aisle 01 from Handover Point |
| YI-001-N02 | Aisle 02 | Putaway to Aisle 02 from Handover Point |

Note Pay attention to the determined RF queues.Clearing Warehouse Orders will be processed based on the queue they are assigned to. The activity areas for Narrow Aisles Storage are not Storage Type (Y011 or Y051) specific, They are aisle specific. Every time a warehouse worker puts away stock to storage type Y011 or Y051, It is important to know in which aisle the putaway takes place.You can find the aisles, by simply examining the putaway queues as follows

Note We recommend keeping this monitor view displaying the Warehouse Orders open while you continue with the next process steps in a separate Fiori Launchpad session.

Result

Found out the Warehouse Orders numbers and the related RF queues.

### Move Products from the Productoin Supply Area back to the Warehouse

Context

This process step is used move the unused stock from the PSA to the Narrow Aisle Storage.

A warehouse worker moves the products from the source storage bin in the PSA (Storage Type Y061) to the Narrow Aisle Storage (Storage Type Y011 and Y051). In case of full pallet quantities the HUs need to be moved from Storage Type Y061 over the Handover Point (Storage Type Y001) and then to the Storage Type Y011. In case of partial quantities, the products will be moved directly to the storage Type Y051.

After confirmation of the Warehouse Tasks to the final bin at the Narrow Aisle Storage, the cleared stock is again available for staging by production.

Prerequisites

Several Clearing Warehouse Tasks exist in the system.

#### Moving Products to Narrow Aisle Pallet Buffer

##### Moving Products from PSA 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. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Display Production Order (CO03). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YLLTR-1  (along with Queue YI-061-001)  Note:  YLLTR-1 is the Low-level picker resource. It can reach low-level bins in all aisles.  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  | Note:  It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task.  If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |
| 5 | Enter Queue Name | Enter the Queue name:  YI-061-001  Note Queue for moving from the production supply area to handover point.  Choose Enter. |  |  |
| 6 | Verify Source HU | Verify SrceHU: 112345678#########  or  ISU-HU##  Note:  Verification: Confirm the displayed Source HU ID in the validation field next to the display field.  Choose Enter. |  |  |
| 7 | Verify Source Bin | Verify SBin:061.PSA.00#.1  Note:  Verification: Confirm the displayed destination bin in the validation field next to the display field.  The # indicates the different places for products.  1 is for single-order staging products  2 is for cross-order staging products  Choose Enter. |  |  |
| 8 | Repeat Steps | Repeat step 5-7 for all Warehouse Orders. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The HUs containing the component products are moved from PSA to handover point

##### Moving Products from Handover Point to Narrow Aisle 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 on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YHLTR01-1  (along with Queue YI-001-N01) or YHLTR02-1(along with Queue YI-001-N02)  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  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  | Note:  It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task.  If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |
| 5 | Enter Queue Name | Enter the Queue name:  YI-001-N01 or  YI-001-N02  Note:  Queue for moving from the handover point to high rack pallet buffer  Choose Enter.  Choose F4 Next. |  | To ensure to process data for your example , enter the Queue from previous process step 3.12.2 Check Clearing Warehouse Orders |
| 6 | Verify Source HU | Verify SrceHU: 112345678#########  or  ISU-HU##  Note:  Verification: Confirm the displayed source bin and target quantity in the validation field next to the display field.  Choose Enter. |  |  |
| 7 | Display Destination Bin | Check DstBin: 011.##.##.##  Choose Enter. |  |  |
| 8 | Repeat Steps | Repeat step 5-8 for all Warehouse Orders. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The HUs containing the component products are moved back to picking area.

#### Moving Products to Narrow Aisle 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. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YLLTR-1 (along with Queue YI-061-N01 and YI-061-N02)  Note:  YLLTR-1 is the Low-level picker resource. It can reach low-level bins in all aisles.  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . |  | Note It is likely that in the System-Guided Selection, certain unfinished warehouse orders/tasks may appear instead of the expected task. If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |
| 5 | Enter Queue Name | Enter the Queue name:  YI-061-N01 or  YI-061-N02  Note Queue for moving from production supply area to picking area.  Choose Enter. |  | To ensure to process data for your example , enter the Queues from the previous process step Check Clearing Warehouse Orders |
| 6 | Verify Source HU | Verify SrceHU: 112345678#########  or  ISU-HU##  Note Verification: Confirm the displayed Source HU ID in the validation field next to the display field.  Choose Enter.  Choose F4 Next. |  |  |
| 7 | Verify Source Bin | Verify SBin: Y061.PSA.###.1  Verify Prod: EWMS4-50  Verify AQty: <>  Note Verification: Confirm the displayed Source Bin and Quantity in the validation field next to the display field.  Choose Enter. |  |  |
| 8 | Verify Destination Bin | Verify DstBin:051.##.##.##  Verify DestHU:<>  Note Verification: Confirm the displayed destination bin in the validation field next to the display field.  Choose Enter. |  |  |
| 9 | Repeat Steps | Repeat step 5-8 for all Warehouse Orders. |  |  |
| 10 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

## Receipt from Production

### Perform the Goods Receipt from Production

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 operatives at the inbound from production staging area is equipped with an RF device. HUs arrive from the production work center conveyor line and the warehouse worker is responsible for moving the HUs from the conveyor to the staging area and for labeling the HUs. In this process, The finished product EWMS4-50 is received by HUs (full pallet or partial quantity). The worker identifies arriving pallets by their manufacturing order num-ber (note on pallet). Based on a packaging specification the system proposes the packing quantities and creates HUs. After a successful HU creation the HU label is printed. The warehouse worker attaches the printed HU labels to the HU and moves the HU from the conveyor line to the staging area. The HU is ready for putaway. In this process no overdelivery is possible, that means it is not possible to receive more HUs as stated in the PMR / Production Order. If a worker tries to receive more HUs, an error message will show.

Prerequisite

Production Orders exist.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YREC-1  Note:  YREC-1 is the resource responsible for receving HUs of Finished Product EWMS4-50.  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 03 Inbound Processes > 04 Receiving of Handling Units > 06 Rec. HU by Manufacturing Order > 01 Logon to Work Center . |  |  |
| 5 | Logon to Work Center | Enter the Work Center Name:  Work Cntr.:YPW1  Choose Enter. |  |  |
| 6 | Choose Function Button | Choose 02 Rec. HU by HU. |  |  |
| 7 | Enter Manufacturing Order Number | Enter Manufacturing Order: The First Production Order Number  Choose Enter. |  | Note The system proposes the finished product EWMS4-50, because only the finished product is produced (no co- or by-product). Quantity is also proposed by the system. Choose ChQty (F3) if partial quantities should be received from production and enter the actual receiving quantity. In this example, the full quantity receipt is demonstrated. |
| 8 | Verify Final Product | In the Product field, enter product EWMS4-50 for verification.  Choose Enter. |  |  |
| 9 | Enter Packaging Material | The default packaging material is EWMS4-PAL00 with HU type.  Choose Enter. |  | Note You can choose ChPm (F2) to change the packaging material and HU type. |
| 10 | Create HU | Choose F4 HUCr to create a new HU. |  | Note If the creation was successful the HU number of the newly created HU is shown in the field PrevHU.Two fields HUs in the RFUI screen show the number of HUs that should be received and how many HUs were created already. After the HU is created, the goods receipt is done automatically and the putaway task is created automatically. |
| 11 | Repeat Steps | Repeat step 8-10 for all HUs to be received for the Production Order. |  |  |
| 12 | Repeat Steps | Repeat step 7-11 for the second Production Order. |  |  |
| 13 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

HUs for the finished products are created.

Also spool requests for printing HU labels are created. If something during HU creation went wrong, the worker will get an error message and no HU label is printed. At least if no HU label is printed the worker recognizes that something went wrong.

The worker attaches the HU-Label to the physical HU and moves it to the staging area. The HUs are ready for putaway.

### Check Goods Movement Posting for Production 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

Each Production Consumption posting is automatically transferred to the Financials Component as Goods Movement Posting.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori Launchpad | Log on to the SAP Fiori Launchpad as a Production Supervisor - Discrete Manufacturing | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Display Production Order (CO03). | The Production Order Display: Initial Screen screen displays. |  |
| 3 | Select Production Order | On the Production Order Display: Initial Screen screen, enter the Production Order number and then choose Continue. | Selected order displays. |  |
| 4 | Check Goods Movement Documents | Choose from Menu More > Goto > Documented Goods Movements | Goods Movement Documents overview displays. | The Goods Receipt of the finished product is shown as movement type 101 (GR). The Material is received on storage location 101D. |

### Perform the Putaway of Finished Goods to the Final Bins

#### Display Inbound Delivery and Check Putaway Warehouse Orders

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. |

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

After the goods receipt of the HUs, the following activities are performed automatically: 1) The system automatically creates an Inbound Delivery document and posts the Goods Receipt. The created inbound delivery can be checked in the Warehouse Monitor. On the header level the status for Goods receipt is set to Completed 2) the system automatically creates Warehouse Tasks for the final putaway,

Prerequisite

HUs from Production are received so Goods Receipt posting is automatically done. Putaway Warehouse Tasks have automatically created and the system proposes a destination bin.

The Warehouse Orders that contain the Warehouse Tasks for putaway can be found using the Warehouse Monitor (/SCWM/MON).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP Fiori launchpad | Log on to the SAP Fiori launchpad as the Warehouse Clerk (EWM). | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen displays. |  |
| 3 | Enter data for the Warehouse Monitor | In the dialog box, make the following entreis:  Warehouse Number: 1010  Monitor: SAP  Choose Execute . |  |  |
| 4 | Choose Menu | In the hierarchy on the left screen area, double click Inbound > Documents > Inbound Delivery . | A dialog box displays. |  |
| 5 | Enter Production Order Number | In the dialog box, make the following entreis in the Manufacturing Order field:  Production Order Numbers  Choose Execute . | The Inbound Deliveries created after the production Goods Receipt are displayed.Note:  Note Use Multiple Selection to enter both Production Orders. |  |
| 6 | Check Goods Receipt Status | Check on the header level if the status for Goods receipt is set to Completed |  |  |
| 7 | Display Handling Units | Select the Inbound Delivery and choose Handling Units.  Check Note the Handling Unit numbers. | All HUs to be putaway are displayed. |  |
| 8 | Display Warehouse Orders | Choose Warehouse Orders. | All Putaway Warehouse Orders are displayed. |  |

#### Putaway Products to the Bulk Storage B

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. |

The HUs put away to the Bulk Storage B (Storage Type Y042). If no Storage Bin could be determined by the putaway strategy, the HUs moved to the Clarification Zone (Storage Type Y970),

Context

In this process, an operator with an RF device drives a low level truck to pick up the pallets / HUs at the Goods Receipt from Production Staging Area (Storage Type Y915) and directly moves them to the final bins in the Bulk Storage B (Y042). If no storage bin could be found by the putaway strategy, the system determined a storage bin in the Clarification Zone (Storage Type Y970) and the HU to be moved there. After confirmation to the final destination bin, the system sets the putaway status on the referenced Inbound Delivery header and item level to complete.

Prerequisite

Putaway Warehouse Tasks have been created and the Warehouse Orders that contain the Putaway Warehouse Tasks can be found in the warehouse Monitor.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori launchpad with the Warehouse Operative (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | 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. | Note:  YLLTR-1 is the Low-level picker resource. It can reach low-level bins in all aisles. |  |
| 4 | Choose Menu | Choose 01 System Guided > 02 System Guided by Queue . | Note It is likely that in the System-Guided Selection, certain unfinished warehouse orders / tasks may appear instead of the expected task.If this is the case, choose 02 Manual Selection > 01 Selection by WO and enter the corresponding WO number in the Whse Order field to process the task. |  |
| 5 | Enter Queue Name | Enter the Queue name:  YI-915-042  Choose Enter. | Note Queue for moving from Goods Receipt from Production Staging Area to Bulk Storage B. |  |
| 6 | Enter HU Number | Confrim SrcBin GR-PROD  HU: 112345678#########  Choose Enter. | Note Verification: Confirm the displayed HU ID in the validation field next to the display field.A HU ID with product EWMS4-50 and packaging material EWMS4-PAL00 from the step Perform the Goods Receipt from Production |  |
| 7 | Verify Data | Verify DstBin: 042.0#  Choose Enter. | Note Verification: Confirm the displayed Source HU, Destination Bin and Destination HU in the validation field next to the display field. |  |
| 8 | Repeat Steps | Repeat step 6-8 for all HUs. |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. |  |  |

Result

The warehouse tasks for moving HUs with product EWMS4-50 from the production goods receiving area directly to bins of the Bulk storage are now confirmed in the system.

The system automatically changes the stock type for this stock from “in putaway” (F1) to “available for sale” (F2).

You can display the inbound delivery along with the created warehouse tasks and Handling Units in the Warehouse Monitor (see step Display Inbound Delivery and Check Putaway Warehouse Orders Check whether status Warehouse Activity and putaway status is set to Completed.

# Appendix

## Succeeding Processes

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

|  |  |
| --- | --- |
| Process | Business Condition |
| Period-End Closing – Plant (BEI) (Optional) | These are executed collectively as a part of month-end closing. For more information on the month-end closing procedure, see the Period-End Closing - Plant.   * Note that month-end closing can only be executed once a month. |

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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