|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA Cloud - 11-01-19 | public |
| Make-to-Stock - Process Manufacturing Based on Process Order (BJ8\_DE) |

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# Purpose

This scope item enables production planning in make-to-stock scenarios and quick reactions to incoming sales orders. The focus is on process manufacturing (for example, supported through process orders or batch management).

The process starts with the creation of a demand forecast for finished goods represented by Planned Independent Requirements (PIRs). Based on PIRs, Material Requirements Planning (MRP) creates a production plan for finished goods, semifinished components, and raw materials. Production planners can analyze and change the planned-order-based production plan manually.

Raw material demand leads to purchase requisitions that trigger alternative procurement scenarios referenced in this scope item.

The production process itself is entirely covered via conversion of planned into process orders, order release, direct material issue or backflush, confirmation of operations and goods receipt posting. Order-based target and actual costs are created, ensuring fully integrated material and value streams.

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.

Note The following roles are provided as example roles from SAP. You can use these as templates to create your own roles.

|  |  |  |
| --- | --- | --- |
| Business Role Name | Business Role ID as Delivered by SAP | Log On |
| Production Planner | SAP\_BR\_PRODN\_PLNR |  |
| Production Supervisor - Process Manufacturing | SAP\_BR\_PRODN\_SUPERVISOR\_PROC |  |
| Production Operator - Process Manufacturing | SAP\_BR\_PRODN\_OPTR\_PROC |  |
| Warehouse Clerk | SAP\_BR\_WAREHOUSE\_CLERK |  |

## Master Data, Organizational Data, and Other Data

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

Use your own master data or the following sample data to go through the test procedure:

Manufacturing / Trading

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | FG29 |  | MTS processing for process industry with batch processing |
| Material | SG24 |  | Semifinished Product PI, batch managed |
| Material | RM15 |  | Packaging material, no batch, external procured |
| Material | RM09 |  | Raw material, batch-managed, external procured |
| Material | RM19 |  | Raw material, batch-managed, external procured |
| Material | RM30 |  | Raw material, batch-managed, external procured |
| Plant | 1010 |  | Plant 1 DE |
| Storage Location | 101A |  | Std. storage for finished products |
| Storage Location | 101B |  | Std. storage for production Less |
| Storage Location | 101C |  | Raw material storage location |

Bill of Materials Structure

This overview shows the bill of materials structure and the usage of each component.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Material | Level | Material Type | Unit | Characteristic of material |
| FG29 | 0 | FERT | BT | MTS processing for process industry with batch processing |
| RM15 | 1 | ROH | PC | Packaging material, no batch, external procured |
| SG24 | 1 | HALB | CCM | Semifinished Product PI, batch managed |
| RM09 | 2 | ROH | KG | Raw material, batch-managed, external procured |
| RM19 | 2 | ROH | L | Raw material, batch-managed, external procured |
| RM30 | 2 | ROH | L | Raw material, batch-managed, external procured |

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_CLD_ENTPR/BP_CLD_ENTPR_S4CLD1902_15_Master_Data_EN_XX.htm)

Table 1: Master Data Script Reference

|  |  |
| --- | --- |
| MDS | Description |
| BNR | Create Raw Material ("ROH") |
| BNS | Create Semi-Finished Good ("HALB") |
| BNT | Create Finished Good ("FERT") |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| BNU - Create Costing Run | You have completed the steps described in the master data script. |
| BNZ - Create New Open MM Posting Period | You have completed the step described in the master data script. Posting Period is up to date. |

# Preliminary Steps

## Initial Raw Material Stock

Purpose

In a real business case, the raw materials are usually purchased from external vendors that can be covered by the standard purchasing processing. Here we post initial stock directly to the storage location.

Note You can either post initial stock directly to the storage location or referring to the process ofProcurement of Direct Materials (J45) or Scheduling Agreements in Procurement (BMR)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as Warehouse Clerk. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Post Goods Movement (MIGO). | Screen name adapts according to entries. |  |
| 3 | Choose Goods Receipt-Other | Make the following entries and choose Enter.  Action: Goods Receipt  Reference: Other  Movement Type: 261 | Screen name adapts after entries are made. |  |
| 4 | Specify Material | In the Material tab, make the following entries:  Material: RM15 | Ensure that detail data is expanded. |  |
| 5 | Specify Quantity | In the Quantity tab, make the following entries:  Qty in Unit of Entry: 1000 |  |  |
| 6 | Specify Plant and Storage Location | In the Where tab, make the following entries:  Plant: 1010  Storage location: 101B |  |  |
| 7 | Check Item | Press Enter, and ensure Item OK is selected. |  |  |
| 8 | Add Other Materials | Choose Next Item, then repeat the steps 4 to 7 for the following materials:  Material: RM09  Material: RM19  Material: RM30 |  |  |
| 9 | Post Goods Movement | Choose Post. | Material document XXX posted.  Materials are available in stock |  |

# Overview Table

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Create Planned Independent Requirements](#unique_9) [page ] 10 | Production Planner | Maintain PIRs (F3445) | The Manage PIRs screen displays. |
| [Material Requirements Planning](#unique_10) [page ] 11 | Production Planner | Schedule MRP Runs (F1339) | The Application Jobs screen displays. |
| [Evaluate the Stock / Requirement Situation](#unique_11) [page ] 13 | Production Planner | Monitor Material Coverage (F2101) | The Monitor Material Coverage screen displays. |
| [Create Process Order](#unique_12) [page ] 15 | Production Planner | Convert Planned Orders - to Process Orders (COR8) | The Collective Conversion of Planned Orders: Initial screen displays. |
| [Review Process Order](#unique_13) [page ] 17 | Production Supervisor - Discrete Manufacturing | Display Process Order (COR3) | The Display Process Order: Initial screen displays. |
| [Goods Issue via Pick List](#unique_14) [page ] 19 | Production Operator - Process Manufacturing | Pick Components for Process Orders (COIK) | The Picking List: Initial screen displays |
| [Manual Goods Issue (Instead of Picking List)](#unique_15) [page ] 21 | Warehouse Clerk | Post Goods Movement (MIGO) | The initial screen displays. |
| [Monitor Order Progress](#unique_16) [page ] 22 | Production Supervisor - Process Manufacturing | Monitor Order Progress (CO46) | The Order Progress Report: Selection screen displays. |
| [Post Goods Receipt for Process Order](#unique_17) [page ] 23 | Warehouse Clerk | Post Goods Movement (MIGO) | The Initial screen displays. |
| [Confirm Production incl.Component Backflush](#unique_18) [page ] 25 | Production Operator - Process Manufacturing | Confirm Process Order Phase (COR6N) | The Enter Time Ticket for Process Order screen displays. |
| [Review Process Order Confirmation](#unique_19) [page ] 27 | Production Supervisor - Process Manufacturing | Display Process Order Confirmation (CORT) | The Display Process Order Confirmation: Initial screen displays. |
| [Review Scrap Report](#unique_20) [page ] 28 | Production Supervisor - Discrete Manufacturing | Material Scrap (F2035) - Maximum Deviation | The Material Scrap screen displays. |
| [Review Manufacturing Object Pages](#unique_21) [page ] 29 | Any role for production listed in chapter Roles | Search function | The list of search result displays. |

# Test Procedures

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

## Anonymous Forecast and MRP

### 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. |

Purpose

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 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 | Log on to the SAP Fiori Launchpad as a Production Planner. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Maintain PIRs (F3445) |  |  |
| 3 | Check Default Area of Responsibility | On the Maintain PIRs (F3445) screen, click your user name and choose icon App Settings. In MRP Settings screen, choose Area of Responsibility.  Check that only the following entry is displayed:  Plant 1 DE / 001 (MRP Controller 001) . | If there is not entry for Plant 1 DE in the Area of Responsibility screen, choose Add to select it and then choose OK.  For other plant entries in the Area of Responsibility screen, choose Delete to remove them and then choose OK. |  |
| 4 | Select | On the Maintain PIRs (F3445) screen,make the following entries:  Plant: 1010  Period Indicator: Weekly (W)  Search: FG29. |  |  |
| 5 | Filter Result | Choose Go to execute . | Material item displays. |  |
| 6 | Select Material Item | Check the material item, and choose Edit in the upper right. |  |  |
| 7 | Edit PIRs | In the screen, enter quantities per period, for example:  PIR: 100 |  |  |
| 8 | Save PIRs Draft | Choose Save (bottom right). | The PIRs are saved. |  |

### Material Requirements Planning

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

The aim of material requirements planning is to tailor available capacities and receipts on time to suit requirement quantities. You can use MRP or consumption-based planning for this purpose. Single-item multilevel requirement planning is carried out for plant 1010.

Prerequisite

The finished product for PI (FG29) is planned at plant level. There is now a requirement for the material Finished Product PI (FG29) in plant 1010.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Planner. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Schedule MRP Runs (F1339). | The Application Jobs screen displays. |  |
| 3 | Enter Basic Parameters for New Job | Choose + (New) above the table.  In the New Job screen, make the following entries:  Job Template: Material Requirement Planning (MRP)  Job Name: MRP for FG29  Start Immediately : X  Plant: 1010  Material: FG29  Changed BOM Components: x  Planning Mode: 1 |  |  |
| 4 | Enter Scheduling Parameters for New Job | Choose Define Recurrence Pattern.  In the Scheduling Information screen, make the following entries:  Start Immediately: x  Recurrence Pattern: Single Run  Choose Ok. |  |  |
| 5 | Schedule New Job | In the New Jobs screen, choose Schedule. | The new job was created and will be displayed in the table Application Jobs. |  |
| 6 | Refresh Application Jobs List | To check the job's status, enter MRP for FG29 in search box and choose Go at the top right section of the screen. | The Application Jobs table was refreshed. |  |

### Evaluate the Stock / Requirement 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. |

Purpose

After the requirements planning has been carried out, you want to monitor the material coverage situation for the material Finished Product PI (FG29 ).

Prerequisite

Requirements planning has been carried out.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Planner. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Monitor Material Coverage (F2101). | The Monitor Material Coverage (F2101) screen displays. |  |
| 3 | Select Material | Mark the checkbox of the following materials, and then choose Manage Materials.  Material: FG29  Material: SG24  Material: RM15  Material: RM09  Material: RM19  Material: RM30 | The Manage Material Coverage screen displays. |  |
| 4 | Review Stock / Requirements List | Select the corresponding material on the left Materials screen. | The detailed Stock / Requirements List for each material displays.  For RM30 , no requirements are created because this material is set as bulk material. |  |
| 5 | Display Planned Order | On the Materials screen on your left, select one of the following materials for which you want to check the planned order:  Material: FG29  Material: SG24  On the right Material Details screen, click the PldOrd XXXX in column MRP Element. | The Planned Order selected is displayed on the popup.  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, choose Open… > Planned Order from the bottom right section of this popup. |  |
| 6 | Display Purchase Requisition | On the Materials screen on your left, select one of the following materials for which you want to check the purchase requisition:  Material: RM15  Material: RM09  Material: RM19  Material: RM30  On the Material Details screen, click the PurRqs XXXX in column MRP Element. | The Purchase Requisition you clicked will display on the popup.  If there is no shortage for those materials, the purchase requisition will not be generated.  Note The BOM explosion during the MRP run has generated dependent requirements for the demand-driven planned components. Dependent requirements for the consumption-based components are generated by production orders (planned orders and process orders) at the time of reservation. Therefore MRP run also generated dependent requirements for the components. If inventory does not cover the requirements, planned orders are created for in-house-produced materials and purchase requisitions for externally procured materials. To continue processing of externally procured materials, please execute test script J45(Procurement of Direct Materials) or BMR(Scheduling Agreements in Procurement) depends on the element created in MRP run. |  |

## Process Order Processing

Note In this test script, the production process has to be executed at first for the semifinished material (SG24) and afterwards for the finished product (FG29).

### Create Process Order

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you create process orders. Because the order release is executed automatically, production can start immediately.

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 Convert Planned Orders - to Process Orders (COR8). | The Collective Conversion of Planned Orders: Initial screen displays. |  |
| 3 | Enter Restriction | Make the following entries and choose Execute:  Planning Plant: 1010  Production Plant: 1010  Prodn.Supervisor: YB2  Process Order Type: YBM2 | The system displays a list of all planned orders, which match the restriction.  Note Convert first planned orders for the semi-finished material (SG24) and proceed for the whole chapter Succeeding Processes and afterwards repeat for the finished product (FG29). |  |
| 4 | Convert Planned Order to Process Order | Select the planned order for conversion, and then choose Convert Planned Order. | Planned orders were converted to process orders.  Make a note of the process order numbers. |  |
|  | Note It is possible to change order quantities (such as merging the quantities of 2 planned orders into one process order. You may then delete the obsolete planned orders from the selection list before executing order conversion. Run MRP to delete the obsolete planned orders from the database (the planned orders must not be firmed, otherwise MRP would leave them untouched). |  |  |  |

### Review Process Order

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you review created process orders.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Supervisor - Process Manufacturing. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Display Process Order (COR3). | The Display Process Order: Initial screen displays. |  |
| 3 | Enter Process Order Number | Make the following entries and choose Enter.  Process Order: XXXX (From previous steps) | The Display Process Order: Header - General Data screen displays.  In this screen, you find the order’s detailed information.  Process orders are reviewed and checked within your responsibility area. |  |
| 3 | Enter Process Order Number | Make the following entries and choose Enter.  Process Order: XXXX (From previous steps) | The Display Process Order: Header - General Data screen displays.  In this screen, you find the order’s detailed information.  Process orders are reviewed and checked within your responsibility area. |  |
| 4 | Navigate to Output Management | Select More > Goto > Overviews > Output Management . | The Overview Output Management: Output screen displays. |  |
| 5 | Check Output Item | On the Overview Output Management: Output screen, you could check output item lists under Output section.  Typically, following 2 items should be listed with status of Completed:  1. Output Type: PICK\_LIST; Channel: PRINT  2. Output Type: ORDER\_DATA\_LIST; Channel: PRINT |  |  |
| 6 | Display PDF Document | Select the output item with Channel: PRINT, and choose Display PDF Document. | PDF document displays for the selected item. |  |

### Goods Issue of Batch-Managed Components

Purpose

The withdrawal of the raw materials is used for the process order. This withdrawal can be done by using the picking list or doing a manual goods issue.

Note If the material is set for backflush (in material master or resource), the withdrawing is done automatically after you confirm the operation or the whole order. Backflushing should not be used for batch-managed components (to ensure that the physically picked and consumed batch is the same as the recorded batch).

Prerequisites

Ensure that sufficient material is present on stock. You can check the stock levels using the app Monitor Stock/Requirements List available for the Production Planner role.

#### Goods Issue via Pick List

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

The released process order is now ready for picking. All materials that are moved to the production storage location can be issued to the process order using the pick list.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Operator - Process Manufacturing. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Pick Components for Process Orders (COIK). | The Picking List: Initial screen displays. |  |
| 3 | Enter Restriction and Execute | Make the following entries and then choose Execute.  Profile: 000002  Process Order: XXXX (from previous steps)  Plant: 1010 | The Order Information System: Detail List of Components screen displays. |  |
| 4 | Picking Raw Materials | Select the relevant reservations and choose Picking. | The Picking list screen displays. On this screen, a list of all the selected reservations is displayed. |  |
| 5 | Perform Batch Determination | Select the picking lines and choose Batch Determination. | The Batch Determination MM: Select Batches screen displays.  If the system shows the message Batch determination was carried out without selection specification , ignore it.  If during batch determination only part of the required quantity is found to be available, the unconfirmed quantity remains as an open line item within the picking list. You should then delete the line item from the picking list before saving, as this line item cannot be posted. |  |
| 6 | Copy Batch Determination Result | Choose Copy. Repeat this step for all the materials you selected. | The Picking list screen displays again. In addition, the batch numbers have been determined. |  |
| 7 | Post Goods Movements | Choose Post. | The goods movements are posted. |  |

#### Manual Goods Issue (Instead of Picking List)

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, the system performs a goods issue.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as Warehouse Clerk. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Post Goods Movement (MIGO). | The initial screen displays. |  |
| 3 | Enter Process Order | Make the following entries and then choose Enter.  Action: Goods Issue  Reference: Order  Order number: XXXX (from previous steps)  Movement Type: 261 | The screen name adapts after entries are made. |  |
| 4 | Check Each Item | For each item shown, select Item OK. | Ensure that detail data is expanded. |  |
| 5 | Perform Batch Determination | Choose Stock Determ. for All. | The Batch Determination MM: Select Batches screen displays. |  |
| 6 | Copy Batch Determination Result | Check the required batch and choose Copy. Repeat this step for all the materials you selected. | The Goods Issue Order XXXX screen displays. In addition, the batch numbers have been determined. |  |
| 7 | Post Goods Movements | Choose Post. | The goods movements have been posted. |  |

### Monitor Order Progress

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

This activity generates a worklist for process orders, components and operations, with user-specific selection and layout settings.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Supervisor - Process Manufacturing. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Monitor Order Progress (CO46). | The Order Progress Report: Selection screen displays. |  |
| 3 | Enter Overall Profile | Make the following entries and choose the Production/Process Order tab .  Overall Profile: SAP000000002 |  |  |
| 4 | Enter Process Order Number | Make the following entries and choose Execute.  Production/Process Order: XXXX (from previous steps) | The Stock/Requirements List as of XX hrs screen displays.  You can review the required lists, such as order header and components lists. |  |

### Post Goods Receipt for Process Order

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

The purpose of this activity is to post the goods receipt for the process order. You may post goods receipt for the total quantity, but usually already partial quantities of the products are required for further processing, such as consumption for further production or subsequent deliveries for sales orders.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as Warehouse Clerk. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Post Goods Movement (MIGO). | The Initial screen displays. |  |
| 3 | Enter Process Order | Make the following entries and then choose Enter.  Action: Goods Receipt  Reference: Order  Order number: XXXX (From previous steps)  Movement Type: 101 | Screen name adapts after entries are made. |  |
| 4 | Enter Date of Manufacture | Choose the Batch tab, then make the following entries:  Date of Manufacture: Current Date | Note Please be informed that instruction of step 4 is only available for SAP delivered standard content As some customizing changes in SSCUI could make things different. |  |
| 5 | Check Item | Select item OK. | Ensure that detail data is expanded. |  |
| 6 | Post Goods Movement | Choose Post. | The goods movements are posted. The batch number is created automatically during the posting. Production date and shelf life expiration date are recorded within the batch master of the finished product. |  |

### Confirm Production incl.Component Backflush

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In the process industry, GR and GI postings are usually done immediately during the physical movements of the materials to ensure batch traceability and data consistency. Order confirmations with backflush are done at shift end or day end (with the process orders covering the shift or day production run). The sum of the GI and GR quantity for the given order is then recorded within the confirmation and scrap quantities (optional). The time ticket confirmation allows recording either the default times for machine and labor usage, or record actual times for major deviations. If no major deviations occurred, only the last phase must be confirmed. Using milestone confirmation, all prior phases are confirmed automatically.

Prerequisite

The goods receipt posting for the order product (Finished Product PI (FG29) or Semifinished Product PI (SG24) has been done in a previous step and the total quantity was recorded.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Operator - Process Manufacturing. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Confirm Process Order Phase (COR6N). | The Enter Time Ticket for Process Order screen displays. |  |
| 3 | Enter Confirmation Option | Make the following entries and then choose Enter.  Order: XXXX (from previous steps)  Confirm.type: Final confirmation  Clear open reservations: X | If the system shows the message Total quantity confirmed not equal to planned quantity to be confirmed, press Enter to ignore it. |  |
| 4 | Propose Actual Data | Choose Actual Data.  Make the changes for the following fields:  Scrap: <enter the amount you want to Scrap>  Yield: <Based on the origin quantities minus Scrap>  Reason for Var: Enter scarp reason if need. For example, 0001 | The Quantities and Activities will be filed automatically.  If you want to check your backflushed components (required for material FG29, continue with row 5 of this table. Else proceed directly with row 6. |  |
| 5 (optional step and only required for FG29 process orders) | Check Backflushed Components | Choose Goods Movements. | The Enter Confirmation for Production Order: Goods Movement screen displays. Check the material entries and quantities The final confirmation of the last operation has been carried out. Backflushed components are issued with the confirmation posting automatically (packaging material RM15 within the confirmation of orders for Finished Product PI FG29. |  |
| 6 | Save Confirmation | Save your entries. | The final confirmation of the last operation is carried out. Costs and activity quantities are recalculated in proportion to the yield quantity. |  |

### Review Process Order Confirmation

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you review confirmations for process orders.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Production Supervisor - Process Manufacturing. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Display Process Order Confirmation (CORT). | The Display Process Order Confirmation: Initial screen displays. |  |
| 3 | Enter Process Order | Make the following entries and then choose Enter.  Process Order: XXXX (from previous steps) | The Display Process Order Confirmation: Operation/Phase Overview screen displays.  Confirmations are reviewed and checked within your responsibility area. |  |

### Review Scrap Report

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you review the scrap report.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Production Supervisor - Discrete Manufacturing. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Material Scrap (F2035) - Maximum Deviation. |  |  |
| 3 | Investigate Scrap | Materials Scrap can be displayed by various filters.  You could click the corresponding material in Chart to display the details. |  |  |

## Review Manufacturing Object Pages

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you review the different objects pages available for different roles in the area of Manufacturing.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Production Planner.  Note You can use any role in the Role section above. | The SAP Fiori launchpad is displayed. |  |
| 2 | Start Search | Choose the Search button in the upper right area of the Launchpad. | An input field is displayed. |  |
| 3 | Search Criteria | Make the following entries and choose Search:  BOM Header Material: <Material> (see the Master Data, Organizational Data, and Other Data section) | The system displays a list of objects that use the selected material. |  |
| 4 | Display Object | In the All field, choose the Down arrow button.  Select an object and choose Search. | The list of objects is limited to the object type selected. If no object is selected, a message is displayed instead. |  |
| 5 | Tailor the result display | Below the search line, choose a symbol (for example, filter, display as table, sort, and so on) to filter the results list. | The results list is filtered according to your selections. |  |
| 6 | Repeat Steps | Repeat steps 1 to 5 for any other role in this test script and any other object offered in the search function. | The list of objects offered for search differs by the role you used to log on. |  |

# Appendix

## Succeeding Processes

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

|  |  |
| --- | --- |
| Process | Business Condition |
| BEI - Period-End Closing - Plant (Optional) | These activities are executed collectively as a part of month-end closing. For more information about the month-end closing procedure, see the Test Script Period-End Closing - Plant.   * 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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