|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA - 18-09-20 | public |
| Make-to-Order Production - Process Manufacturing (3OK\_DE) |

Table of Contents

[1 Purpose 3](#_Toc51399840)

[2 Prerequisites 4](#_Toc51399841)

[2.1 System Access 4](#_Toc51399842)

[2.2 Roles 4](#_Toc51399843)

[2.3 Master Data, Organizational Data, and Other Data 5](#_Toc51399844)

[2.4 Business Conditions 7](#_Toc51399845)

[2.5 Preliminary Steps 7](#_Toc51399846)

[2.5.1 Initial Stock Posting 7](#_Toc51399847)

[3 Overview Table 9](#_Toc51399848)

[4 Test Procedures 11](#_Toc51399849)

[4.1 Sales Order Processing 11](#_Toc51399850)

[4.1.1 Option 1: Create Sales Order Directly 11](#_Toc51399851)

[4.1.2 Option 2: Create Sales Order including Quotation Processing 13](#_Toc51399852)

[4.1.2.1 Create Sales Quotation 13](#_Toc51399853)

[4.1.2.2 Create Sales Orders with Ref. to Quotation 14](#_Toc51399854)

[4.2 Production Planning 16](#_Toc51399855)

[4.2.1 Material Requirements Planning 16](#_Toc51399856)

[4.2.2 Monitor Material Coverage 17](#_Toc51399857)

[4.3 Process Order Processing 19](#_Toc51399858)

[4.3.1 Create Process Order 19](#_Toc51399859)

[4.3.2 Review Process Order 21](#_Toc51399860)

[4.3.3 Goods Issue of Batch-Managed Components 22](#_Toc51399861)

[4.3.3.1 Goods Issue via Pick List 22](#_Toc51399862)

[4.3.3.2 Manual Goods Issue (Instead of Picking List) 24](#_Toc51399863)

[4.3.4 Monitor Order Progress 25](#_Toc51399864)

[4.3.5 Confirm Process Order 26](#_Toc51399865)

[4.3.6 Post Goods Receipt for Process Order 28](#_Toc51399866)

[4.4 Delivery Processing 29](#_Toc51399867)

[4.4.1 Create Delivery with Order Reference 29](#_Toc51399868)

[4.4.2 Execute Picking 30](#_Toc51399869)

[4.4.3 Post Goods Issue 32](#_Toc51399870)

[4.5 Billing Process 33](#_Toc51399871)

[4.5.1 Create Billing Document 33](#_Toc51399872)

[5 Appendix 35](#_Toc51399873)

[5.1 Succeeding Processes 35](#_Toc51399874)

# Purpose

The standard sales process (make-to-order) for batch-managed finished goods starts with a customer quotation or sales order and ends with the clearing of a customer account after a payment has been received.

The process starts with the creation of a quotation and then a sales order with reference it, or by creating a sales order directly.

The production process based on process orders is triggered by a material requirement planning (MRP) run for the product ordered by the customer and all its components. Once the finished product with a batch is in stock, the delivery and billing of the goods completes the process.

The process can be enhanced by executing optional steps, such as procurement of components or period-end closing.

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 |
| Internal Sales Representative | SAP\_BR\_INTERNAL\_SALES\_REP | Internal Sales | SAP\_BR\_INTERNAL\_SALES\_REP |  |
| Production Planner | SAP\_BR\_PRODN\_PLNR | Production Planning | SAP\_BR\_PRODN\_PLNR |  |
| Production Supervisor - Process Manufacturing | SAP\_BR\_PRODN\_SUPERVISOR\_PROC | Process Manufacturing Execution Management | SAP\_BR\_PRODN\_SUPERVISOR\_PROC |  |
| Production Operator - Process Manufacturing | SAP\_BR\_PRODN\_OPTR\_PROC | Process Manufacturing Execution | SAP\_BR\_PRODN\_OPTR\_PROC |  |
| Warehouse Clerk | SAP\_BR\_WAREHOUSE\_CLERK | Inventory Processing | SAP\_BR\_WAREHOUSE\_CLERK |  |
| Shipping Specialist | SAP\_BR\_SHIPPING\_SPECIALIST | Shipping | SAP\_BR\_SHIPPING\_SPECIALIST |  |
| Billing Clerk | SAP\_BR\_BILLING\_CLERK | Billing | SAP\_BR\_BILLING\_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

|  |  |  |  |
| --- | --- | --- | --- |
| Master | Value | Details | Comments |
| Material | FG6200 | FIN6200, MTO-PI, PD, Batch |  |
| Material | SG6100 | SEMI6100, PI, PD, Batch |  |
| Material | RM15 | RAW15,PD |  |
| Material | SG23 | SEMI23,PD,Subcontracting |  |
| Material | RM128 | RAW128,PD,Consignment |  |
| Plant | 1010 | Plant 1 DE |  |
| Customer | 10100001 |  |  |
| Shipping Point | 1010 |  |  |
| Sales organization | 1010 |  |  |
| Distribution channel | 10 |  |  |
| Division | 00 |  |  |
| Storage Location | 101A | Std. storage 1 |  |
| Storage Location | 101B | Std. storage 2 |  |

Bill of Materials Structure

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Material | Level | Material Type | Base quantity | Unit | Material description |
| FG6200 | 0 | FERT | 100 | KG | FIN6200, MTO-PI, PD, Batch |
| SG6100 | 1 | SEMI | 100 | KG | SEMI6100, PI, PD, Batch |
| RM09 | 2 | RAW | 100 | KG | FIN29,MTS-PI,PD,Batch-ExpirationDate |
| RM1420 | 2 | RAW | 500 | L | RM1420, PD, Solvent |
| RM1430 | 2 | RAW | 100 | KG | RM1430, PD, Catalyst |
| RM15 | 1 | RAW | 10 | PC | RAW15,PD |
| SG23 | 1 | SEMI | 10 | PC | SEMI23,PD,Subcontracting |
| RM128 | 1 | RAW | 10 | PC | RAW128,PD,Consignment |

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 "Raw Material" |
| BNS | Create Product Master of Type "Semi-Finished Good" |
| BNT | Create Product Master of Type "Finished Good" |
| BNK | Create Material BOM for Production and Sales |
| 3X8 | Create Resource |
| 3X9 | Create Master Recipe |
| BLD | Create Production Version |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| BEG - Standard Cost Calculation | You have completed the step described in the BEG test script |
| BNZ - Create New Open MM Posting Period | You have completed the step described in the BNZ test script. Posting Period is up-to-date. |

## Preliminary Steps

### Initial Stock Posting

Purpose

Initial stock posting is not required if you want to play through complete procurement or semifinished component production processes for selected materials in the BOM of FG6200.

* For semifinished material SG23, you can post initial stock. Alternatively, you can run the scope item BMY to produce the demand for the semifinished SG23 via Subcontracting.
* For semifinished material SG6100, you can post initial stock. Alternatively, you can run relevant production process.
* For the remaining raw materials the BOM structure, you can post initial stock. Alternatively, you can run the procurement scope items.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Warehouse Clerk. | 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: 561 | Screen name adapts after entries are made. |  |
| 4 | Specify Material | On the Material tab, make the following entries:  Material: RM15 | Ensure that detail data is expanded. |  |
| 5 | Specify Quantity | On the Quantity tab, make the following entries:  Qty in Unit of Entry: 1000 |  |  |
| 6 | Specify Plant and Storage Location | On 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: RM128 * Material: SG6100 * Material: SG23 |  |  |
| 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.

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

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| Sales Order Processing | | | |
| [Option 1: Create Sales Order Directly](#unique_9) [page ] 11 | Internal Sales Representative | Manage Sales Orders (F1873) | Sales Order is created. |
| Option 2: Create Sales Order including Quotation Processing | | | |
| [Create Sales Quotation](#unique_10) [page ] 13 | Internal Sales Representative | Manage Sales Quotations (F1852) | Sales Quotation is created. |
| [Create Sales Orders with Ref. to Quotation](#unique_11) [page ] 14 | Internal Sales Representative | Manage Sales Orders (F1873) | Sales Order is created. |
| Production Planning | | | |
| [Material Requirements Planning](#unique_12) [page ] 16 | Production Planner | Schedule MRP Runs (F1339) |  |
| [Monitor Material Coverage](#unique_13) [page ] 17 | Production Planner | Monitor Material Coverage - Net / Individual Segments (F2101) | Generate Planned Order is checked. |
| Process Order Processing | | | |
| [Create Process Order](#unique_14) [page ] 19 | Production Planner | Convert Planned Orders - to Process Orders (COR8) | Process Order is created for Sales Order, to produce the finished goods. |
| [Review Process Order](#unique_15) [page ] 21 | Production Supervisor - Process Manufacturing | Display Process Order (COR3) | Process Order is reviewed. |
| Goods Issue of Batch-Managed Components | | | |
| [Goods Issue via Pick List](#unique_16) [page ] 22 | Production Operator - Process Manufacturing | Pick Components for Process Orders (COIK) | Components for Process Order is picked. |
| [Manual Goods Issue (Instead of Picking List)](#unique_17) [page ] 24 | Warehouse Clerk | Post Goods Movement (MIGO) | Goods Issue is posted for the Process Order. |
| [Monitor Order Progress](#unique_18) [page ] 25 | Production Supervisor - Process Manufacturing | Monitor Order Progress (CO46) |  |
| [Confirm Process Order](#unique_19) [page ] 26 | Production Operator - Process Manufacturing | Confirm Process Order Phase (COR6N) | Final confirmation is carried out. |
| [Post Goods Receipt for Process Order](#unique_20) [page ] 28 | Warehouse Clerk | Post Goods Movement (MIGO) | The goods receipt for the process order is posted. |
| Delivery Processing | | | |
| [Create Delivery with Order Reference](#unique_21) [page ] 29 | Shipping Specialist | Create Outbound Deliveries - From Sales Orders (F0869A) | Outbound delivery is created for sales order. |
| [Execute Picking](#unique_22) [page ] 30 | Shipping Specialist | My Outbound Delivery Monitor (VL06O) | The outbound delivery is picked. |
| [Post Goods Issue](#unique_23) [page ] 32 | Shipping Specialist | My Outbound Delivery Monitor (VL06O) | Goods issues for delivery are posted. |
| Billing Process | | | |
| [Create Billing Document](#unique_24) [page ] 33 | Billing Clerk | Create Billing Documents (F0798) | Billing document is created. |

# Test Procedures

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

## Sales Order Processing

Purpose

You can create Sales Order directly or with Reference to Quotation. For test purpose, you can just choose one option to create your sales order.

### Option 1: Create Sales Order Directly

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 process step shows you how to create Sales Order directly.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Manage Sales Orders (F1873). | The Manage Sales Orders (F1873) screen displays. |  |
| 3 | Navigate to Create Sales Order Screen | On the Manage Sales Orders (F1873) screen, choose the Add icon, and choose Create Sales Orders - VA01 (VA01). |  |  |
| 4 | Enter the Order Type and the Sales Organization | On the Create Sales Documents screen, make the following entries and choose Continue:   * Order Type: OR * Sales Organization: 1010 * Distribution Channel: 10 * Division: 00 |  |  |
| 5 | Enter Order Details | On the Create Standard Order: Overview screen, make the following entries:   * Sold-to Party: 10100001 * Ship-to Party: 10100001 * Customer Reference: <Enter a reference number> * Req. Deliv.Date: <Delivery Date> (Today plus 1 month) * Material Number: FG6200 * Order Quantity: Quantity (For example, 100 KG) |  |  |
| 6 | ATP Check | If the Standard Order: Availability Control screen displays:  Check the Dely/Conf.Date and Confirmed qty in Dely proposal. Make a note of the Delivery Date.  Choose Complete dlv.. |  |  |
| 7 | Save Document | Choose Save. Make a note of the sales order number. | The order is saved. |  |

### Option 2: Create Sales Order including Quotation Processing

#### Create Sales Quotation

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 process step shows you how to create a sales quotation.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Manage Sales Quotations (F1852). | The Manage Sales Quotations (F1852) displays. |  |
| 3 | Navigate to Create Sales Quotation Screen | On the Manage Sales Quotations (F1852) screen, choose Create Quotation. | The Create Quotation: Initial screen displays. |  |
| 4 | Enter Quotation Type and Sales Organization | Make the following entries and choose Enter:   * Quotation Type: QT * Sales Organization: 1010 | The Create MTO Quotation: Overview screen displays. |  |
| 5 | Enter the Quotation Details | Make the following entries:   * Sold-to Party: 10100001 * Ship-to Party: 10100001 * Cust. Reference: <Enter a reference number> * Cust. Reference date: <Today's Date> * Req.deliv.date: <Delivery Date> (Today plus 1 month) * Valid to: <A date> (Today plus 6 weeks) * Material: FG6200 * Order Quantity: Quantity (For example: 100 KG) |  |  |
| 6 | Save | Choose Save (Ctrl+S). | Note Ignore any dialog box. |  |

#### Create Sales Orders with Ref. to Quotation

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

A customer order is created based on the negotiated quotation.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Internal Sales Representative. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Manage Sales Orders (F1873). | The Manage Sales Orders (F1873) screen displays. |  |
| 3 | Navigate to Create Sales Order Screen | On the Manage Sales Orders (F1873) screen, choose the Add icon, and choose Create Sales Orders - VA01 (VA01). |  |  |
| 4 | Enter the Order Type and the Sales Organization | Make the following entries and choose Create with Reference:   * Order Type: OR * Sales Organization: 1010 | The Create with Reference dialog box displays. |  |
| 5 | Enter the Second Quotation Number | Make the following entries and choose Copy.  Quotation: <Quotation number> (The Quotation from last step) |  |  |
| 6 | Check the Delivery Date and Order Details | Check and make necessary changes for the following entries and choose Enter.   * Cust. Reference: <Enter a reference number> * Cust. Reference Date: <Today's Date> * Req. Delivery Date: <Today's Date + 1 Month> |  |  |
| 7 | Save | Choose Save. | Note If the sales order might require approval, refer to Sell from Stock (BD9) scope item, and complete the activities of Process Sales Order Approval. |  |

## Production Planning

### 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

This process step shows you how to start the MRP run for the sales order you created before.

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 | Create New Job | Choose Create.  On the New Job screen, make the following entries:  For 1. Template Selection section:   * Job Template: Material Requirement Planning (MRP) * Job Name: <MRP for FG6200>   Choose Step 2.  For 2. Scheduling Options section:   * Start Immediately: <select>   Choose Define Recurrence Pattern.  On the Scheduling Information screen, make the following entries:   * Start Immediately: X * Recurrence Pattern: Single Run   Choose OK.  Choose Step 3.  For 3 Parameters section:   * Plant: 1010 * Material: MRP for FG6200 * Changed BOM Components: select * Planning Mode: 1   Choose Check at the bottom right.  Choose Schedule. | A message appears: You can go ahead and schedule the job. |  |
| 4 | Refresh Application Jobs List | To check the job’s status, enter MRP for FG6200 in the search box and choose Go at the top right section of the screen. | The new job is created and is displayed in the Application Jobs table when refreshed. |  |

### Monitor Material Coverage

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 process step shows you how to monitor the material coverage situation for the material after the requirements planning is carried out.

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 - Net / Individual Segments (F2101). | The Monitor Material Coverage - Net / Individual Segments (F2101) screen displays. |  |
| 3 | Check Area of Responsibility | Select your user name within the app: MRP Settings > Area of Responsibility , and make sure only following values are assigned:   * Plant 1 DE (1010) * MRP Controller 001(001)   Choose AOR status button of this entry if not assigned, choose AOR status button of the corresponding entry to unassign any other entry then choose Back. |  |  |
| 4 | Select Material | Select the checkbox of the following materials, and then choose Manage Materials.   * Material: FG6200 * Individual Segment: CustSt xxxxxxxx-10 (the quotation or sales order number created by you) | The Manage Material Coverage screen displays. |  |
| 5 | Check Planned Order | Find the generated planned order, and make a note of the number of this Planned Order.  Stay in this page for following processing. | An individual Planned Order is created for the Sales Order you created before. |  |

## Process Order Processing

### 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

This process step shows you how to create process orders. You can continue the processing after execute last step within the same app Monitor Material Coverage - Net / Individual Segments (F2101).

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 and open Monitor Material Coverage - Net / Individual Segments (F2101).  Check the planned order as indicated in last step and stay on the page. | The SAP Fiori launchpad displays. |  |
| 2 | Choose Action Convert | For the generated planned order, choose Convert under Actions. |  |  |
| 3 | Convert to Process Order | In the dialog box, Convert to Process Order is selected by default. Choose OK. | Planned orders were converted to process orders. |  |

As an alternative, you can also use some other app to covert the planned order to process order. If you already converted it through above procedure, you do not need to execute below procedure again.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Convert Planned Orders (F4171). Then choose the action button: Collective Conversion to Process orders. | The Collective Conversion of Planned Orders: Initial screen displays. |  |
| 3 | Enter Restriction | Make the following entries and choose Execute:   * Production Plant: 1010 * Material: FG6200 | The system displays a list of all planned orders, which match the restriction. |  |
| 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. |  |

### 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

This process step shows you how to 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 Continue.  Process Order: XXXX (From previous steps) | The Display Process Order: Header - General Data screen displays.  On this screen, you find the order’s detailed information.  Process orders are reviewed and checked within your responsibility area. |  |

### 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.

Prerequisites

Ensure that sufficient material is present on stock. You can check the stock levels using the app Monitor Stock / Requirements List (MD04) 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

This process step shows you how all materials that are moved to the production storage location can be issued to the process order using the pick list when the released process order is ready for picking.

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 displays. |  |
| 5 | Perform Batch Determination for Batch-managed Components | Select the picking lines for following batch-managed material and choose Batch Determination:   * Material: SG6100 | 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. | 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

This process step shows you how 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 a 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 | Perform Batch Determination for Batch-managed Material | For item with batch-managed material, navigate to the Quantity tab in the Detail Data section, choose Stock Determ. icon behind Qty.   * Material: SG6100 | The Batch Determination MM: Select Batches screen displays. |  |
| 5 | Copy Batch Determination Result | Check the required batch and choose Copy. | The Goods Issue Order XXXX screen displays. In addition, the batch numbers have been determined. |  |
| 6 | Check Each Item | For each item shown, select Item OK. | Ensure that detail data is expanded. |  |
| 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 process step shows you how to generate 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 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. |  |

### Confirm 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 confirmation documents include the processing status of order, operations, phases and individual capacities. It is an instrument to control the order. The time ticket confirmation allows recording either the default times for machine and labour usage, or record actual times for major deviations. Backflushed materials will be posted automatically during respective phase confirmations. You can post scrap quantities as an optional. If no major deviations occurred, only the last phase (milestone) must be confirmed. Using milestone confirmation, all prior phases are confirmed automatically.

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.   * Order: <XXXX> (from previous steps)   Choose Enter or select phase (0040) from search help of Phase field.   * 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. You can make necessary change. |  |
| 5 | Choose Goods Movements | Choose Goods Movements. | The Enter Confirmation for Production Order: Goods Movement screen displays. RM15 should be listed here, check the material entries and quantities. |  |
| 6 | Save Confirmation | Choose the Back icon to navigate to the Enter Time Ticket for Process Order screen. Choose Save. | Backflushed component RM15 is issued with the confirmation posting automatically.  The final confirmation of the last operation is carried out. Costs and activity quantities are recalculated in proportion to the yield quantity. |  |

### 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

This process step shows you how to post the goods receipt for the process order.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Warehouse Clerk. | 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 | Check Product | Check the products listed in the table. |  |  |
| 5 | Check Item | Select Item OK for each line. | Ensure that detail data is expanded. |  |
| 6 | Check | Choose Check in the lower right corner. | The batch number is created automatically. |  |
| 7 | Post Goods Movement | Choose Post. | The goods movements for produced product are posted. |  |

## Delivery Processing

### Create Delivery with Order Reference

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 | Comments |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. |  |  |
| 2 | Access the App | Open Create Outbound Deliveries - From Sales Orders (F0869A). | The Create Outbound Deliveries - From Sales Orders screen displays. |  |
| 3 | Search Sales Order | Make the following entries and choose Go:   * Shipping Point: 1010 * Planned Creation Date: <Delivery selection date> * Sales Document: Sales order number created previously |  |  |
| 4 | Create Delivery | Select your sales order items and choose Create Deliveries. | Creation of a delivery is triggered. |  |

Result

You successfully created the delivery for the sales order.

### Execute Picking

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 picking process involves taking goods from a storage location and staging the right quantity in a picking area where the goods are prepared for shipping. This process step shows you how to pick deliveries.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open My Outbound Delivery Monitor (VL06O). |  |  |
| 3 | Choose Picking | Choose For Picking. |  |  |
| 4 | Enter Shipping Point | Make the following entries, and choose Execute:   * Shipping Point: 1010   Under the Picking Data tab, select   * Only Picking Without WM: X |  |  |
| 5 | Change Outbound Deliveries | From Day’s Workload for Picking, select your delivery number, and choose Change Outbound Deliveries. |  |  |
| 6 | Check Batch Split | Choose the Picking tab, check if batch split exists in the Batch Split Indicator column. |  |  |
| 7 | Enter Picked Quantity | * If batch spilt exists, choose Batch Split Exists to expand sub item(s), enter <quantity equal to delivery Qty> in Picked Qty field for sub item. * If batch spilt doesn't exist, enter <quantity equal to delivery Qty> in Picked Qty field for picking related item(s). |  |  |
| 8 | Choose Enter | Choose Enter. |  |  |
| 9 | Save | Choose Save. | The delivery has been decided. |  |

### Post Goods Issue

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 process step shows you how to post goods issues for delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Shipping Specialist. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open My Outbound Delivery Monitor (VL06O). |  |  |
| 3 | Open Outbound Delivery Monitor | Choose For Goods Issue. Make the following entries and choose Execute.   * Shipping Point: 1010 |  |  |
| 4 | Post Good Issue | Select your outbound delivery note, and choose Post Goods Issues.  Select today’s date from the dialog box, and choose Continue. | A message confirms the goods issue has been posted. |  |

## Billing Process

### Create Billing Document

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. |

Create Billing Document

Table 2: Overview

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Billing Clerk. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Create Billing Documents (F0798). | The Create Billing Documents screen displays. |  |
| 3 | Define Billing Settings | Choose Billing Settings in the bottom bar, you can make the following settings as below:   1. Set billing date and type before billing: ON 2. Create separate billing document for each item of billing due list: OFF 3. Automatically post billing documents: ON 4. Display billing documents after creation: ON |  |  |
| 4 | Search for billing due list | In the search condition, use criteria if necessary. | Sales document(s) display in the result. |  |
| 5 | Select item(s) for billing | Select row(s) of SD Document created previously and choose button Create Billing Documents. | The Create Billing Document screen displays. |  |
| 6 | Maintain Billing Date | Choose billing type F2 Invoice and maintain billing date, for example current date, then press button OK. | The draft billing document with ID Sxxxxxxxx displays. |  |
| 7 | Save Billing Document | On the Billing Document screen, choose Save.  The draft version billing document with ID Sxxxxxxxx turns into a saved billing document with ID xxxxxxxx, make a note of the billing document number: \_\_\_\_\_\_\_\_\_\_. | The system generates an invoice for billing. |  |
| 8 | ODN Number | Check whether the ODN number is generated for the billing document. | ODN number is generated in the Reference field. |  |

# Appendix

## Succeeding Processes

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

|  |  |
| --- | --- |
| Process | Business Condition |
| J59 - Accounts Receivable | These activities are executed for accounts receivables handling. For more information about the month-end closing procedure, see the J59 Test Script. |
| BEI - Period-End Closing - Plant | These activities are executed collectively as a part of month-end closing. For more information about the month-end closing procedure, see the BEI Test Script. |

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. |

|  |
| --- |
|  |
| www.sap.com/contactsap |
| © 2020 SAP SE or an SAP affiliate company. All rights reserved.  No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company. The information contained herein may be changed without prior notice.  Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.  These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.  SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.  See [www.sap.com/copyright](http://www.sap.com/copyright) for additional trademark information and notices. |

