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| Test Script  SAP S/4HANA - 08-09-20 | public |
| Scheduling Agreement for Subcontracting Procurement (2NX\_DE) |

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# Purpose

The use of scheduling agreements can shorten processing times and reduce the amount of paperwork you are faced with. One delivery schedule can replace many discrete purchase orders or contract release orders.

A purchase requisition of type RV-Outline Agreement Requisition can be created with subcontracting line items (Item Category – L Subcontracting) manually by a requestor. The purchase requisition can be converted into a scheduling agreement. The scheduling agreement is subject to approval based on predefined parameters before you generate delivery schedule or schedule lines (manually or via MRP run) and communicate them to the subcontractor. The outbound delivery is created, and the goods are picked and shipped to the subcontractor. With the supply of the finished material, the goods receipt is created. The invoicing process is then triggered.

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 |  |
| Purchaser | SAP\_BR\_PURCHASER | Operational Purchasing | SAP\_BR\_PURCHASER |  |
| Warehouse Clerk | SAP\_BR\_WAREHOUSE\_CLERK | Inventory Processing | SAP\_BR\_WAREHOUSE\_CLERK |  |
| Accounts Payable Accountant - Procurement | SAP\_BR\_AP\_ACCOUNTANT\_PROCUREMT |  |  |  |
| Purchasing Manager | SAP\_BR\_PURCHASING\_MANAGER |  |  |  |
| Shipping Specialist | SAP\_BR\_SHIPPING\_SPECIALIST | Shipping | SAP\_BR\_SHIPPING\_SPECIALIST |  |
| Configuration Expert - Business Process Configuration | SAP\_BR\_BPC\_EXPERT | Business Process Configuration | SAP\_BR\_BPC\_EXPERT |  |
| Material Planner - External Procurement | SAP\_BR\_MATL\_PLNR\_EXT\_PROC | Material Planning - External Procurement | SAP\_BR\_MATL\_PLNR\_EXT\_PROC |  |
| Inventory Manager | SAP\_BR\_INVENTORY\_MANAGER | Inventory Management | SAP\_BR\_INVENTORY\_MANAGER |  |

## 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 suppliers, for example, depending on the operational focus of your company.

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

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | SG26 | SEMI26,PD,Subcontracting | See sections Business Conditions and Preliminary Steps  For the specific plant, set the Special Procurement Key to “30” for Subcontracting in MRP View 2. |
| Material | RM13 | RAW13,PD,Subcontracting | Material provided to subcontractor |
| Material | RM14 | RAW14,PD,Subcontracting | Material provided to subcontractor |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101B | Std. storage 2 |  |
| Storage Location | 101C | Raw mat. sto. loc. |  |
| Supplier | 10300007 | Inland-Lohnbearbeiter A, DE | If you want to send form print outs via e-mail in stead of using the print functionality make sure that you have maintained a valid e-mail address in the supplier master data. |
| Company Code | 1010 | Company Code 1010 |  |
| Purchase Organization | 1010 | Purch. Org. 1010 |  |
| Purchase group | 001 | Group 001 |  |

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

|  |  |
| --- | --- |
| MDS | Description |
| BNS | Create Product Master of Type "Semi-Finished Good" |
| BNR | Create Product Master of Type "Raw Material" |
| BNE | Create Supplier Master |
| BHD | Create Purchasing Info Record |
| BF6 | Create Scheduling Agreement |

## Business Conditions

Before this test script can be tested, the following business conditions must be met.

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| BNZ – Create New Open MM Posting Period | Complete all relevant steps. |
| BJ5 – Make-to-Stock Production - Discrete Manufacturing | To run through this test script, the materials must be available in stock. If you use finished goods (FERT) you can either:  Run through the BJ5 Make-to-Stock Production - Discrete Manufacturing process (for material FG126) or  Create stock using transaction MIGO(for more information, see Preliminary Steps). |

## Preliminary Steps

### Create Subcontracting Info Record

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log on | Log on to the SAP Fiori launchpad as a Purchaser. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Manage Purchasing Info Records (F1982). | The Manage Purchasing Info Records is displayed. |  |
| 3 | Open New Purchasing Info Record | Choose Create. | The Purchasing Info Record screen is displayed. |  |
| 4 | Enter Header Data | Make the following entries:  Purchasing Info Record Category: Subcontracting  Purchasing Organization: 1010  Supplier: 10300007  Material: SG26  Plant: 1010  Purchasing Group: 001 | Header data is added. |  |
| 5 | Enter General Information | Make the following entries:  Available From: Today  Available To: 12/31/9999 | General Information is added. |  |
| 6 | Enter Purchasing Data | Make the following entries:  Incoterm: EXW  Incoterm Location 1: VENDOR | Purchasing Data is added. |  |
| 7 | Enter Delivery and Quantity Data | Make the following entries:  Delivery Time in Days: 10  Under Delivery Tolerance in %: 10.0  Over Delivery Tolerance in %: 10.0  Tax Code: V1  Note When the TDT(time dependent tax) is activated via SSCUI 101016 (Define Tax Codes for Sales and Purchases) for Country of company code and Tax Code is given, the Tax Rate Valid From field is mandatory. You can enter current date, which will be adjusted to validity start date of tax code according to the setting in SSCUI.  When the RITA (Registration for Indirect Taxation Abroad) is activated, tax registration country is maintained for company code in SSCUI 103464 (Activate RITA and Maintain Tax Registration Countries) and tax code is given, the Tax Country field is mandatory, in which the country ID of company code is given as a default value, but you can change to the valid country ID that is maintained in SSCUI accordingly.  Order Unit: PC  Standard Order Quantity: 100  Goods-Receipt-Based Invoice Verification: X | Delivery and Quantity Data is added. |  |
| 8 | Enter Condition Data | In the Condition section, choose Create.  In the General Information area, make the following entries:  Valid From: Today  Valid To: 12/31/9999  Amount: 0.59  Pricing Unit: 1  Currency: EUR  Choose Apply. | Condition Data is added. |  |
| 9 | Enter Reference Data (optional) | You can enter reference data. | Reference data is added. |  |
| 10 | Save your data | Choose Save. | The purchasing info record is saved. |  |

Result

The subcontracting info record is created.

### Initialize Material Stock (Optional)

Purpose

In a real business case, the materials are usually purchased from external suppliers. In this case, the process is covered by the standard purchasing or subcontracting processes. For the purpose of this test, we post initial stock directly to the storage locations in case there is no enough stock (Unrestricted Use).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launchpad | Log on to the SAP Fiori Launchpad as an Inventory Manager. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the App | Open Manage Stock (F1062). | The Manage Stock screen is displayed. |  |
| 3 | Enter Material | Make the following entries and choose Enter :  Material: For example, RM13 and RM14  Plant: For example, 1010, Plant 1 DE | The stock overview for the material is displayed. |  |
| 4 | Select Stock | Select the icon next to the stock to add initial stock. For example:  Storage Location:101C (for RMxx materials)  Unrestricted Use Stock | A dialog box appears. The Storage Location, Stock Type, and Current Quantity fields are displayed according to your entries in previous steps. |  |
| 5 | Add Initial Entry | Make the following entries and choose Post:  Document date: Today  Posting date: Today  Stock Change: Initial Entry  Quantity: Enter a quantity | The system displays the message Material document XXX created. The stock is added. |  |

### Activate Flexible Workflow for Scheduling Agreement Approval

Purpose

In this procedure, you active Flexible Workflow for Scheduling Agreement Approval.

If you want to use the flexible workflow to approve the Scheduling Agreement, you have to process the steps: Activate Flexible Workflow for Scheduling Agreement Approval and Configure Flexible Workflow for Scheduling Agreement.

Procedure

1. Access the activity using the following navigation option:

|  |  |
| --- | --- |
| SAP IMG Path | SPRO > Materials Management > Purchasing > Scheduling Agreement > Release Procedure for Scheduling Agreements > Activate Flexible Workflow for Scheduling Agreements |
| Transaction Code | S\_ER9\_52000781 |

1. On the Document Types Scheduling agreement Change screen, tick the check box under Scenario based workflow for Document Type: LP and LPA
2. Choose Save.
3. You may be asked to enter a customizing request number, either choose your own customizing request or create a new one, then choose Continue.

### Configure Flexible Workflow for Scheduling Agreement (Optional)

Purpose

In this procedure, you configure your release conditions for Scheduling Agreement Approval.

When you start to process this step, please make sure that the flexible workflow for purchase document type LP has been activated in your system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Configuration Expert - Business Process Configuration. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Open Manage Workflow for Scheduling Agreement | Open Manage Workflows for Purchase Scheduling Agreements (F3044). | The Manage Workflows screen is displayed. |  |
| 3 | Create Manage Workflow | Choose Add and make following entries:  Name: Test Workflow for Scheduling Agreement  In the Start Conditions area choose Purchasing Group of scheduling agreement is with value: 001  Choose Add to add another condition and make the following entries:  Choose Document type of Scheduling Agreement is with description: Scheduling Agreement from dropdown list.  In Step Sequence area choose Add  and make following entries:  Type: Release Scheduling Agreement  RECIPIENTS  User: Select User with Purchasing\_manager from F4 help.  Step to be completed by: One of the recipients  Choose Add.  Choose Save. | The Workflow for Scheduling Agreement is configured. |  |
| 4 | Activate Workflow Item | Select the just created Workflow Item and choose Activate. | The Workflow Item is activated. |  |

Note Please make sure default workflow Automatic Release of Purchase Order has been activated.

Configure Users

For the steps of user configuration, please refer to the sections in the Administration Guide for the Implementation of SAP Best Practices for SAP S/4HANA (1709 FPS0) Admin Guide: [Creating approvers](https://help.sap.com/viewer/S4HANA_1809_AdminGuide/017b7d3ea4c04710ba802b6bf454c230.html).

### Edit User-Specific Parameters for Supplier Invoices (Optional)

Purpose

In this procedure, you will edit User-Specific parameters for supplier invoices.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Accounts Payable Accountant. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the SAP Fiori App | Choose Edit Supplier Invoice Settings (F3813). | The Edit Supplier Invoice Settings screen is displayed. |  |
| 3 | Set parameter | Check parameter Display Journal Entry: X  If parameter is checked, the system message contains invoice and journal entry number when invoice is created.  If parameter is unchecked, the system message contains invoice number only when invoice is created.  When this parameter is changed, it will be effective immediately for the APP Create Supplier Invoice. However, for the APP Create Supplier Invoice - Advanced, user needs to logout and login again to make it effective. | Change has been saved successfully. |  |

Result

Parameter Display Journal Entry has been set successfully.

# Overview Table

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 .

Table 1 Scheduling agreement for Subcontracting procurement

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | App/Transaction | Expected Results |
| [Create Scheduling Agreement – Direct / Without reference (Option 01)](#unique_13) [page ] 16 | Purchaser | Create Scheduling Agreement (ME31L) | A Schedule Agreement is created. |
| [Create Purchase Requisition](#unique_14) [page ] 17 - Option 02 | Purchaser | Create Purchase Requisition - Advanced (ME51N) | A Purchase Requisition is created. |
| [Convert Purchase Requisition to Scheduling Agreement – Subcontracting](#unique_15) [page ] 19 | Purchaser | Create Scheduling Agreement (ME31L) | A Schedule Agreement is created. |
| [Approve Scheduling Agreement (Optional)](#unique_16) [page ] 21 | Purchasing Manager | My Inbox - All Items (F0862) | Schedule Agreements are changed. |
| Generate Delivery Schedule from MRP run (Optional)  [Create Planned Independent Requirements](#unique_17) [page ] 23  [Schedule MRP Run](#unique_18) [page ] 25  [Evaluate Stock Requirement Situation](#unique_19) [page ] 26 | Production Planner / Material Planner - External Procurement | Maintain PIRs (F3445)  Schedule MRP Runs (F1339)  Monitor Material Coverage - Net / Individual Segments (F2101) | Material delivery schedule lines are displayed. |
| [Maintain Delivery Schedule](#unique_20) [page ] 28 | Production Planner | Manage Purchase Scheduling Agreements (F2179) | A Delivery Schedule is created. |
| [Print Scheduling Agreement](#unique_21) [page ] 30 | Production Planner | Manage Purchase Scheduling Agreements (F2179) | Scheduling Agreement output triggered / PDF form for scheduling agreement is displayed. |
| [Monitor Subcontracting Documents (Optional)](#unique_22) [page ] 31 | Purchaser | Monitor Subcontracting Documents (F3095) | Subcontracting documents with next delivery date and quantity are displayed |
| [Create Outbound Delivery](#unique_23) [page ] 33 | Inventory Manager | Subcontracting Cockpit (F2948) | Outbound Delivery is created. |
| [Pick and Post Goods Issue](#unique_24) [page ] 34 | Shipping Specialist | Pick Outbound Delivery (F0868) | Goods Issue is posted against the scheduling agreement. |
| [Post Goods Receipt](#unique_25) [page ] 35 | Warehouse Clerk | Post Goods Receipt for Purchasing Document (F0843) | Goods receipt is posted against the scheduling agreement. |
| [Create Supplier Invoice](#unique_26) [page ] 37 | Accounts Payable Accountant - Procurement | Create Supplier Invoice - Advanced (MIRO) | The Supplier Invoice is posted. |

# Test Procedures

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

## Create Scheduling Agreement – Subcontracting

### Create Scheduling Agreement – Direct / Without reference (Option 01)

Purpose

This activity is used to create the scheduling agreement for the material/supplier combination, for example, material SG26 and supplier 10300007, directly or without reference to any preceding purchasing document like Purchase Requisition, if it has not been maintained yet.

If the scheduling agreement is already present in the system you can skip this step.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access App | Open Manage Scheduling Agreements (F2179). | The Manage Scheduling Agreements list page is displayed. |  |
| 3 | Create Scheduling Agreement | Select Create to create a new scheduling agreement | The New Scheduling Agreement header view is displayed. |  |
| 4 | Enter Header Data | Create a new scheduling agreement with the following data:   * Agreement Type: LP (Scheduling Agreement) * Supplier:10300007 * Validity Start: Default Today * Validity End: MM/DD/YYYY e.g.today + 720 days * Purchasing Group: 001 * Purchasing Organization: 1010 * Company Code: 1010 * Target Value: 2000 EUR |  |  |
| 5 | Add Items to Scheduling Agreement | From the New Purchase Scheduling Agreement view, choose the Items facets and select Create. | The New Scheduling Agreement Item view is displayed. |  |
| 6 | Enter Item data | On the Items facets view, make the following entries:   * Item Category: L (Subcontracting) * Plant: 1010 * Storage Location:101B * Material: SG26 * Net Order Price: Default Value from Info record * Target Quantity:100 * Tax Code: V1 (Default Value from Info Record) * Tax Date: Default Today   Choose Apply at the bottom of the view. |  |  |
| 7 | Save | Return to the New Purchase Scheduling Agreement view and choose Save at the bottom of the view.  Make a note of the scheduling agreement number. | A scheduling agreement is created. |  |

### Create Scheduling Agreement with Purchase Requisition reference (Option 02)

#### Create Purchase Requisition

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 procedure, you create Purchase Requisition of document type ‘RV’- Outline Agreement Requisition with subcontracting line items with item category ‘L- Subcontracting’.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Open Create Purchase Requisition -Advanced | Open Create Purchase Requisition - Advanced (ME51N). | Create Purchaser Requisition screen is displayed. |  |
| 3 | Select Requisition Document Type | Choose Document type RV Outl. Agmt Requisn from drop-down list | The Item Overview screen is displayed. |  |
| 4 | Enter Subcontracting Material line item | On the Create Purchase Requisition screen, make the following entries in the Item Overview area:  Item Category – L  Material – SG26  Quantity – Desired Quantity or 100  Plant – 1010  Storage Location – 101B | System defaults the description and other entry aids. |  |
| 5 | Save | Choose Save at the bottom of the view.  Make a note of the Purchase Requisition number. | A Purchase Requisition is created. |  |

#### Convert Purchase Requisition to Scheduling Agreement – Subcontracting

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 procedure, you convert Purchase Requisition to a Scheduling Agreement. If the document type of scheduling agreement is LP and the purchase group is 001, then the scheduling agreement should undergo an approval.

Prerequisite

A Purchase Requisition (document type ‘RV – Outline Agreement Requisition’) must exist.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the SAP Fiori app | Open Create Scheduling Agreement (ME31L) | The Create Scheduling Agreement: Initial Screen view is displayed. |  |
| 3 | Create Scheduling Agreement with reference to Purchase Requisition | Choose Reference to PReq from top to enter Purchase requisition number and Item number created in [Create Purchase Requisition](#unique_14) [page ] 17 step.  Choose Continue | You will be prompted to make the entries as in step 4. |  |
| 4 | Enter Agreement Data | Enter the following values:   * Supplier: 10300007 * Agreement type: LP * Agreement Date: today * Purchasing Organization: 1010 * Purchasing Group:001 * Plant:1010 * Storage Location: 101B   and choose Enter twice.  If the Item Overview is displayed in stead of the header data, then choose Header Details(F6). | The Create Scheduling Agreement Header Data view is displayed. |  |
| 5 | Enter Validity End Date | On the Create Scheduling Agreement Header Data view, enter the Validity end date, for example, today + 720 days.  and choose Enter. | The Create Scheduling Agreement Item overview view is displayed. |  |
| 6 | Adopt item details from Purchase Requisition | Choose Purchase Requisition and choose Adopt | The screen Create Scheduling Agreement: Selection list : Purchase Requisitions is displayed  Purchase Requisition item details are adopted on item overview screen of Scheduling Agreement. |  |
| 7 | Check Tax Related Details | Choose More -> Item Details, check following information   * Tax Code: V1 (Default Value from Info Record) * Tax Date: Default Today | If the RITA is activated and tax registration countries is maintained for company code in Finance SSCUI 103464 (Activate RITA and maintain tax registration countries), then the Tax Country can be taken, or you can also choose different Tax Country value from the list. |  |
| 8 | Save | Choose Save at the bottom of the view.  Make a note of the scheduling agreement number. | A scheduling agreement is created. |  |

## Approve Scheduling Agreement (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this procedure, you release a Scheduling Agreement. If the document type of scheduling agreement is LP and the purchase group is 001, then the scheduling agreement should undergo approval, provided flexible workflow is enabled for Scheduling Agreement as in Preliminary Steps as part of Prerequisites.

Prerequisite

A Scheduling Agreement must exist for release.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Purchasing Manager. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Open Approve Scheduling Agreement | Open My Inbox - All Items (F0862). | A list of already created Scheduling Agreements is displayed. |  |
| 3 | Search for Scheduling Agreement Sta tus | Enter the Scheduling Agreement number in the search area, then choose Search. | The Scheduling Agreements without follow-on documents (w/o status Follow-On Documents) have the status In Approval. |  |
| 4 | Release Scheduling Agreement | Select the Scheduling Agreement in left of the screen and choose Release in bottom right. | The Submit Decision screen is displayed. |  |
| 5 | Enter Release Reason | Enter the approval reason if needed, then choose Submit. | The Scheduling Agreement is approved. |  |
| 6 | Back to SAP Fiori Launchpad | Choose Home to go back to the SAP Fiori Launchpad. | The SAP Fiori Launchpad is displayed. |  |

## Generate Delivery Schedule from MRP run (Optional)

### 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 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, such as one planned quantity split over time according to dates.

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 is displayed. |  |
| 2 | Access the App | Open Maintain PIRs (F3445). |  |  |
| 3 | Check Default Area of Responsibility | Choose the User icon, and select App Settings.  In the MRP Settings dialog box, choose Area of Responsibility.  On My Area of Responsibility screen, check if the below entry is assigned:  Plant 1 DE(1010)  MRP Controller 001(001）  Choose AOR Status if the status for the above entry is not yet assigned.  Choose AOR Status to unassign the rest of other entries.  You can refer to BJ5 - Make-to-Stock Production - Discrete Manufacturing for this update.  Plant 1 DE(1010)  001 (MRP Controller 001) |  |  |
| 4 | Select Material | On the Maintain PIRs screen, make the following entries:  Plant: 1010  Period Indicator: Monthly (M)  Version Active: Yes, No  Search: SG26  Please make sure you have the same setting in material master data MRP 3 view for Period Indicator. If no, please refer to master data script BNS - Create Product Master of Type "Semi-Finished Good" for adaption. |  |  |
| 5 | Filter Result | Choose Go to execute. | The material item is displayed. |  |
| 6 | Select Material Item | Select the material item, and choose Edit on the upper right part of the screen. |  |  |
| 7 | Edit PIRs | On the Edit PIRs screen, enter quantities per period, for example:  PIR: 100  Version is Active: YES |  |  |
| 8 | Save PIRs | Choose Save in the lower right corner. | The PIRs are saved. |  |

### Schedule MRP Run

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 requirements quantities. You can use MRP or consumption-based planning for this purpose. Single-item multilevel requirement planning is performed for plant 1010.

Prerequisite

The semi product is planned at plant level. There is now a requirement for the material SG26 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 is displayed. |  |
| 2 | Access the App | Open Schedule MRP Runs (F1339). | The Application Jobs screen is displayed. |  |
| 3 | Enter Basic Parameters for New Job | Choose Create above the table to schedule a New Job  In the New Jobs screen, make the following entries:  Job Template: Material Requirement Planning (MRP)  Job Name: MRP for SG26  Start Immediately: X  Plant:1010  Material: SG26  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 Job screen, choose Schedule. | The new job is displayed in the Application Jobs table. |  |
| 6 | Refresh Application Jobs List | To check the status of the job you created, choose Go in the top right section of the screen. | The Application Jobs table is refreshed. |  |

### Evaluate 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

The requirement planning has generated schedule lines in the scheduling agreement for material SG26. In this procedure you want to monitor the material coverage situation.

Prerequisite

Requirements planning has been carried out.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori Launchpad | Log on to the SAP Fiori Launchpad as a Material Planner - External Procurement. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the App | Open Monitor Material Coverage - Net / Individual Segments (F2101). | The Monitor Material Coverage screen is displayed. |  |
| 3 | Check Default Area of Responsibility | On the Monitor Material Coverage screen, select the user (on the top left corner), choose MRP Settings and then choose Area of Responsibility. Check only this entry is displayed there: Plant 1 DE 1010 | If there is no entry 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 the others and then choose OK. |  |
| 4 | Search for Material | On the Monitor Material Coverage – Net and Individual Segments screen, make the following entries and choose Go.  Material: SG26 | The relevant material is displayed. |  |
| 5 | Select Material | Select the checkbox before the Materials Number, and then choose Manage Materials. | The Material screen and Material Details screen display. |  |
| 6 | Review Stock/Requirements List | Select the corresponding material on the left Material screen. | The detailed Stock/Requirements List for each material is displayed. |  |
| 7 | Open Quickview for MRP Element | On the Material Details screen, choose the SchLne XXXX in column MRP Element. | The SchLne XXX you clicked will display on the pop-up. |  |
| 8 | Open Scheduling Agreement | On the SchLne XXX screen, choose Open…, and then select Scheduling Agreement. | The Display Scheduling Agreement: Item Overview screen is displayed.  The system displays the Scheduling Agreement - Item Overview details. |  |
| 9 | Display Delivery Schedule | Check the checkbox before the item number, and then More > Delivery Schedule . | The Display Scheduling Agreement: Delivery Schedule for Item XXX screen is displayed.  The system displays the scheduled quantity and dates. |  |

## Maintain Delivery Schedule

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 create the delivery schedule for the scheduling agreement if it has not been maintained while creating the scheduling agreement.

When you create scheduling agreement with item category Subcontracting, then a default schedule line with quantity 1 PCS is generated. This scenario is fulfilled only when you enter the mandatory fields, such as Plant, Item Category, Material, and Target Quantity. You can further edit or delete this schedule line and add more schedule lines for the item.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log on to the SAP Fiori Launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the App | Open Manage Purchase Scheduling Agreements (F2179) | The Manage Purchase Scheduling Agreements screen is displayed. |  |
| 3 | Find scheduling agreement number | Find the appropriate newly created scheduling agreement through the search criteria, such as: Supplier 10300007, Agreement Type LP Scheduling Agreement, Purchasing Organization 1010, then choose Go. Select one item from the search result. | The desired scheduling agreement appears on the list page of Manage Purchase Scheduling Agreements. |  |
| 4 | Select Scheduling Agreement | Navigate to the selected scheduling agreement by clicking on Cheveron (>) or by directly clicking on the Scheduling agreement number from the list page. | The Scheduling agreement header ob­ ject page appears in display mode. |  |
| 5 | Maintain Delivery Schedule | Choose Edit at the right upper corner on the Manage Scheduling Agreement Header Object page.  On Items tab, choose the desired item for which delivery schedule needs to be maintained. | The Purchase Scheduling Agreement Item screen is displayed. |  |
| 6 | Maintain Delivery Schedule | Go to the Schedule Lines section on the Purchase Scheduling Agreement Item screen and choose Create. You will get into the Manage Purchase Scheduling Agreements screen to maintain the schedules for the item, make following entries:  Date type: 1  Delivery Date: Today's date  Delivery Time: 10:00:00  Schedule Quantity: 10  Choose Apply twice at the right bottom to add a schedule line. | You will be navigated back to Scheduling Agreement Header object page. |  |
| 7 | Save | Choose Save from the Scheduling Agreement Header object page | Scheduling agreement will get updated with schedule lines. |  |

## Print Scheduling Agreement

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 preview the scheduling agreement for the material/supplier combination for the new Scheduling agreement or for the one which is already present in the system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Com ment |
| 1 | Log on | Log on to the Fiori launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access the Fiori app | Open Manage Purchase Scheduling Agreements (F2179). | The Manage Purchase Scheduling Agreements screen is displayed. |  |
| 3 | Find scheduling agreement number | Find the appropriate scheduling agreement through the search criteria, such as: Supplier 10300007, Agreement Type LP, Purchase Organization 1010, then choose Go. Select one item from the search result. | The desired scheduling agreement appears on the list page of Manage Purchase Scheduling Agreements. |  |
| 4 | Select Scheduling Agreement | Navigate to the selected scheduling agreement by clicking on Cheveron (>) or by directly clicking on the Scheduling agreement number from the list page. | The Scheduling agreement header object page appears in display mode. |  |
| 5 | View the output form for scheduling agreement | Go to Output controls facet & view the output settings maintained for the scheduling agreement. Choose the PDF sign to view the output form of scheduling agreement.  PDF sign or symbol would be inactive. If the Status is in Error, then you need to choose Retry to have PDC symbol or sign activated to view the Output PDF form. | PDF form for scheduling agreement shall open. |  |

## Monitor Subcontracting Documents (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

The purpose of this activity is to monitor subcontracting documents with next delivery due dates with quantity. Also, track the delivery and shipping statuses (such as overdue, On time, Due today, and Completed).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Com ment |
| 1 | Log on | Log on to the Fiori launchpad as a Purchaser. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Access App | Open Monitor Subcontracting Documents (F3095). | The Monitor Subcontracting Documents screen is displayed. |  |
| 3 | Monitor subcontracting documents | Enter the following data:  Subcontractor: 10300007  Plant: 1010  Document Type: Scheduling Agreement (LP) (from dropdown list)  Choose GO.  If the subcontractor field doesn't appear on the screen, select the field on Adapt Filter. | The List with Scheduling Agreement Items is displayed with Next Delivery Date and Next Delivery Quantity. |  |
| 4 | Monitor subcontracting documents | Choose View to check the Assembly Flow.  Choose Close. | If you have multi-level subcontracting, the graph can be displayed here. |  |
| 5 | Manage Scheduling Agreement | Check the details of your subcontracting document by clicking the item. |  |  |

## Create Outbound Delivery

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

The purpose of this activity is to create outbound delivery.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Com ment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as a Inventory Manager. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access App | Open Subcontracting Cockpit (F2948). | The app name screen is displayed. |  |
| 3 | Subcontracting Cockpit | Enter the following data:  Plant: 1010  Subcontractor: 10300007  Choose Go |  |  |
| 4 | Subcontracting Cockpit | Expand the following groups of Components under Document Items:  RAW13,PD,Subcontracting(RM13)  RAW14,PD,Subcontracting(RM14)  Find the line items with your Scheduling Agreement number. Select both lines and then choose Create Delivery |  |  |
| 5 | Creating Delivery for Sub contracting Scheduling Agreement Schedule line | Enter Storage Location and Shipping point for both lines:  Storage Location: 101C  Shipping point: 1010  Select both lines and then choose Create Delivery  Note down your delivery number. | Delivery 00XXXXXXXX has been saved.  Outbound delivery is created |  |

## Pick and 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

The purpose of this activity is to Pick and Post Goods Issue against the Outbound delivery created in earlier step.

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 is displayed. |  |
| 2 | Access App | Open Pick Outbound Delivery (F0868). | The app name screen is displayed. |  |
| 3 | Pick Outbound Delivery | Enter the following data:  Outbound Delivery: your delivery  Choose Continue. |  |  |
| 4 | Picking | In Picking Section under Delivery Items.  Enter Picking quantity equal to the delivery quantity. Select both the items.  Choose Save. | Picking status become Green |  |
| 5 | Post GI | GI Ready Tab appears.  Select Actual GI Date.  Choose Post GI. | Good Issue document is created.  GI Posted; GI Number XXXXXXXX |  |

## Post 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. |

Purpose

In this step, you post the goods receipt for the material against the subcontracting Scheduling Agreement.

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 is displayed. |  |
| 2 | Access the App | Open Post Goods Receipt for Purchasing Document (F0843). | The Goods Receipt screen is displayed. |  |
| 3 | Enter Purchase Order | Enter the scheduling agreement number and choose Enter. | The system displays the data for the goods receipt on the Goods Receipt screen. |  |
| 4 | Enter Delivery Note | Make the following entries:  Delivery Note: <note number>  Printing: Choose Individual slip from the dropdown list.  Choose Enter. |  |  |
| 5 | Select Item | Select the items for which a goods receipt is to be posted.  Enter the delivered quantity and check the storage location to be posted. | The Post button is activated. |  |
| 6 | Post | Choose Post. | The system displays the message 1 material document(s) posted: 5xxxxxxxxx 2xxx. |  |

## Create Supplier Invoice

Test Administration

Customer project: Fill in the project-specific parts.

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

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Open the SAP Fiori launchpad with the Accounts Payable Accountant - Procurement role. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Create Supplier Invoice (F0859) . | The Create Supplier Invoices screen displays. |  |
| 3 | Enter General Data | On the Create Supplier Invoice screen, make the following entries.  Transaction: Invoice  Company Code: 1010  Gross Invoice Amount : XXX  Currency: EUR  Invoice Date: Today  Posting Date: Today  Invoice Party: 10300007  Reference: xxx(reference invoice number from invoicing party) | The Create Supplier Invoices screen displays. |  |
| 4 | Enter Purchase Order References | In Purchase Order References area, make the following entries (use a Scheduling agreement you created previously):  References Document Category: Purchase Order/ Scheduling Agreement  Purchase Order: xxx | The Purchase Order References screen displays. |  |
| 5 | Check the Invoice Items data | Check the Amount, the Quantity, the Tax Code (there may already be a tax code that was copied from the Scheduling Agreement ). | The Purchase Order Item's table displays. |  |
| 6 | Check Tax code | In the section Tax check if there is tax code information and enter the tax amount.when the tax code value is greater than zero.  If there is no tax, specify the tax code V0. | In the Tax area, you should see the same tax codes as in the items. |  |
| 7 | Check the balance | Calculate the tax amount from the item amount multiplied by the tax value. Check the balance (difference between the calculated amount and the gross Amount you entered in step 3). | The balance should be zero (or within the defined tolerance). |  |
| 8 | Simulate Supplier Invoice and Check Messages | Choose Simulate.  If there are no differences(or if the value is within the defined tolerance), a new screen Simulation appears. You can check the simulation results in Simulation Overview and Simulation Details area. | The supplier Invoice is complete to post. |  |
| 9 | Post Invoice | Choose Post. | The invoice is posted. The system displays the message Invoice xxx has been posted. |  |

# Appendix

## Succeeding Process

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

Table 2:

|  |  |
| --- | --- |
| Process | Business Condition |
| Accounts Payable (J60) | Complete the following activities described in the test script:   * Payment Run * Post Outgoing Payment |
| Accounting and Financial Close (J58) | Dispose of the inventory by returning to the vendor. Do not process any other activities in this docu­ ment after running the external process.  Using the master data from this document, complete the following activities described in the test script:  Run the test script in its entirety, using the master data from this test script document. |
| Real-Time Reporting and Monitoring for Procurement (1JI) | The Procurement Overview Page gives the Purchaser the most important and relevant information at a glance – instead of navigating through many different transactions and reports.  The global filter helps the Purchaser to focus the entire Procurement Overview Page to view all information according to specific suppliers, material groups, purchasing groups, and more.  Using contextual navigation, the Purchaser can immediately act upon the displayed information by accessing the app or the object instance or get more detailed information in the corresponding KPI Drill-Downs. |

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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| --- |
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