|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA - 17-09-20 | public |
| Scheduling Agreements in Procurement (BMR\_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.

Delivery of the total quantity of materials specified in a scheduling agreement item is spread over a certain period in a delivery schedule, consisting of lines indicating the individual quantities with their corresponding planned delivery dates.

Inventories can be reduced to a minimum. You can perform your manufacturing operations on the Just-in-Time (JIT) principle.

Your suppliers require shorter lead times. Smaller deliveries are required, which can be spaced out over a longer period. Delivery scheduling enables suppliers to plan and allocate their resources more efficiently.

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

## 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 |
| Purchaser | SAP\_BR\_PURCHASER | Operational Purchasing | SAP\_BR\_PURCHASER |  |
| Purchasing Manager | SAP\_BR\_PURCHASING\_MANAGER |  |  |  |
| Production Planner | SAP\_BR\_PRODN\_PLNR | Production Planning | SAP\_BR\_PRODN\_PLNR |  |
| Warehouse Clerk | SAP\_BR\_WAREHOUSE\_CLERK | Inventory Processing | SAP\_BR\_WAREHOUSE\_CLERK |  |
| Material Planner - External Procurement | SAP\_BR\_MATL\_PLNR\_EXT\_PROC | Material Planning - External Procurement | SAP\_BR\_MATL\_PLNR\_EXT\_PROC |  |
| Configuration Expert - Business Process Configuration | SAP\_BR\_BPC\_EXPERT | Business Process Configuration | SAP\_BR\_BPC\_EXPERT |  |
| Receiving Specialist | SAP\_BR\_RECEIVING\_SPECIALIST | Receiving | SAP\_BR\_RECEIVING\_SPECIALIST |  |
| Configuration Expert - Business Network Integration | SAP\_BR\_CONF\_EXPERT\_BUS\_NET\_INT |  |  |  |
| Accounts Payable Accountant - Procurement | SAP\_BR\_AP\_ACCOUNTANT\_PROCUREMT |  |  |  |

## Master Data and Organizational Data

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | RM129 | RAW129,PD |  |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101C | Raw mat. sto. loc. |  |
| Supplier | 10300001 | Domestic 10 Supplier 1 | If you want to send form print outs via e-mail instead of using the print functionality make sure that you have maintained a valid e-mail address in the supplier master data. |
| Supplier | 10300002 | Domestic 10 Supplier 2 | If you want to send form print outs via e-mail instead 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 |  |

You can find general information on how to create master data objects in 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 |
| 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 scope item can be tested, the following business conditions must be met.

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

## Preliminary Steps

### 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

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 onto the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration role. | The Fiori launchpad is displayed. |  |
| 2 | Access the App | 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 select Purchasing Group of scheduling agreement is with value: 001  Choose Add another condition and make the following entries:  Choose Document type of scheduling agreement is with value: LP Scheduling Agreement  In Step Sequence area choose the Add button and make following entries:  Type: Release of Scheduling Agreement  RECIPIENTS  Assignment By: User  User: Select the User ID with Employee ID 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. |  |

Configure Users

For user configuration, refer to the Creating Approvers section in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide)

### Create Purchasing Info Record (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

To run through this test script, the info records for the necessary materials must be available as master data. If the Info Record has not been maintained in the system yet, create the required master data. Otherwise you can skip this step.

The purpose of this activity is to create the info records for materials, for example, RM129 and choose a valid supplier (for example, 10300001).

This step is obsolete if the necessary info records are present. Check the info records supplier 10300001, material RM129 and Purchasing Organization 1010. The existing info records for this material are displayed on the screen.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log on | Log onto 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 screen 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: Standard * Purchasing Organization: 1010 * Supplier: 10300001 * Material: RM129 * 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: 1 * 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: 1000 | 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: 1755 * Pricing Unit: 100 * 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. |  |

### Create Purchasing Info Record (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

To run through this test script, the info records for the necessary materials must be available as master data. If the Info Record has not been maintained in the system yet, create the required master data. Otherwise you can skip this step.

The purpose of this activity is to create the info records for materials, for example, RM129 and choose a valid supplier (for example, 10300002).

This step is obsolete if the necessary info records are present. Check the info records supplier 10300002, material RM129 and Purchasing Organization 1010. The existing info records for this material are displayed on the screen.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log on | Log onto 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 screen 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: Standard * Purchasing Organization: 1010 * Supplier: 10300002 * Material: RM129 * 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: 1 * 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: 1000 | 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: 1800 * Pricing Unit: 100 * 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. |  |

### 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 Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Edit Supplier Invoice Settings (F3813) | The Edit Supplier Invoice Settings screen is displayed. |  |
| 3 | Set parameter | Check parameter Display Journal Entry: X  Note If parameter is checked, when invoice is created, system message contains invoice and journal entry number.  If parameter is unchecked, when invoice is created, system message contains invoice number only.  When this parameter is changed, for APP Create Supplier Invoice, it will take effective immediately. For APP Create Supplier Invoice – Advanced, user needs to logout and login again to make it take effective. | Change has been saved successfully. |  |

Result

Parameter Display Journal Entry has been set successfully.

# Overview Table

This scope item consists of several process steps that are listed in the following table.

Table 2: Case 1.Scheduling agreement w/ Release doc for Standard Procurement

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Create Scheduling Agreement w/ Release doc - Standard](#unique_13) [page ] 17 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | A Schedule Agreement is created. |
| [Mass Changes to Scheduling Agreements (Optional)](#unique_14) [page ] 19 | Purchaser | Mass Changes to Purchase Scheduling Agreements (F2668) | The Scheduling Agreement is changed. |
| [Maintain Delivery Schedule](#unique_15)  [page ] 20 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | The Delivery Schedule is created. |
| [Create Scheduling Agreement w/ Release doc - Standard](#unique_16) [page ] 22 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | A Schedule Agreement is created. |
| [Maintain Quota Arrangement](#unique_17) [page ] 23 | Purchaser | Manage Quota Arrangements (F1877) | The Quota Arrangement is created. |
| [Create Planned Independent Requirements](#unique_18) [page ] 24 | Production Planner | Maintain PIRs (F3445) | The PIRs is saved. |
| [MRP Run for Single Item](#unique_19) [page ] 26 | Material Planner - External Procurement | Schedule MRP Runs (F1339) | The Application Jobs tables is refreshed. |
| [Evaluate Stock/Requirements Situation](#unique_20) [page ] 27 | Material Planner - External Procurement | Monitor Material Coverage - Net / Individual Segments (F2101) | The MRP has created schedule lines. |
| [Display Delivery Schedule](#unique_21) [page ] 28 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | Scheduling agreement is updated with schedule lines. |
| [Check the allocated Quantity in Quota Arrangement](#unique_22) [page ] 29 | Purchaser | Manage Quota Arrangements (F1877) |  |
| [Print Scheduling Agreement](#unique_23)  [page ] 30 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | The Scheduling Agreement is printed. |
| [Release Scheduling Agreement](#unique_24) [page ] 31 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | The Scheduling Agreement is released. |
| [Check Scheduling Agreement Release Documentation](#unique_25) [page ] 32 | Purchaser | Manage Purchase Scheduling Agreements (F2179) |  |
| [Print Scheduling Agreement Releases](#unique_26)  [page ] 33 | Purchaser | Manage Purchase Scheduling Agreements (F2179) |  |
| [Evaluate the Stock/Requirement Situation](#unique_27) [page ] 34 | Material Planner - External Procurement | Monitor Material Coverage - Net / Individual Segments (F2101) | The stock/requirement sitution is displayed. |
| [Post Goods Receipt](#unique_28) [page ] 36 | Warehouse Clerk | Post Goods Receipt for Purchasing Document (F0843) | Goods receipt is posted against the scheduling agreement. |
| [Create Supplier Invoice with Scheduling Agreement/GR Relation](#unique_29) [page ] 37 | Accounts Payable Accountant - Procurement | Create Supplier Invoice (F0859) | The Supplier Invoice is posted. |

Table 3: Case 2. Scheduling Agreement w/o Release doc for Standard Procurement

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Create Scheduling Agreement w/o Release doc - Standard](#unique_30) [page ] 40 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | A Schedule Agreement is created. |
| [Approve Scheduling Agreement (Optional)](#unique_31) [page ] 41 | Purchasing Manager | My Inbox - All Items (F2097) | A Schedule Agreement is approved. |
| [Maintain Delivery Schedule](#unique_32) [page ] 42 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | A Delivery Schedule is maintained. |
| [Print Scheduling Agreement](#unique_33)  [page ] 43 | Purchaser | Manage Purchase Scheduling Agreements (F2179) | A Schedule Agreement is printed. |
| [Evaluate the Stock/Requirement Situation](#unique_34) [page ] 44 | Material Planner - External Procurement | Monitor Material Coverage - Net / Individual Segments (F2101) | The stock/requirement sitution is displayed. |
| [Post Goods Receipt](#unique_35) [page ] 46 | Warehouse Clerk | Post Goods Receipt for Purchasing Document (F0843) | Goods receipt is posted against the scheduling agreement. |
| [Create Supplier Invoice with Scheduling Agreement/GR Relation](#unique_36) [page ] 47 | Accounts Payable Accountant - Procurement | Create Supplier Invoice (F0859) | The Supplier Invoice is posted. |

# Test Procedures

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

## Scheduling agreement w/ Release doc for Standard Procurement

### Create Scheduling Agreement w/ Release doc - Standard

Purpose

This activity is used to create the scheduling agreement for the material/supplier combination, for example, material RM129 and supplier 10300001, 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 onto the SAP Fiori launchpad, as Purchaser . | SAP Fiori launchpad displays |  |
| 2 | Access the SAP Fiori app | Open Manage Purchase Scheduling Agreements (F2179) tile. | The Manage Purchase Scheduling Agreements list page displays |  |
| 3 | Create Scheduling Agreement | Select Create to create a new scheduling agreement | The New Purchase Scheduling Agreement header view displays. |  |
| 4 | Enter Header Data | Create a new scheduling agreement with the following data:   * Supplier: 10300001 * Agreement type: LPA (SA With Release doc.) * Valid To: MM/DD/YYYY * Purchasing Organization: 1010 * Purchasing Group: 001 * Target Value : 200000 EUR |  |  |
| 5 | Enter Header notes | Navigate to the Notes section, enter some of the Header Notes as below:   * Header text * Header note * Pricing types * Deadlines * Terms of delivery * Shipping instructions * Terms of payment * Warranties * Penalty for breach of contract * Guarantees * Contract riders (clauses) * Asset * Other contractual stipulation * Inbound Delivery * Vendor memo (general) * Vendor memo (pur. org.) |  |  |
| 6 | Add Items to Scheduling Agreement | From the New Purchase Scheduling Agreement view, choose the Items facets and select Create. | The Purchase Scheduling Agreement Item view displays. |  |
| 7 | Enter Item data | On the Items facets view, make the following entries:   * Plant: 1010 * Material: RM129 * Target Quantity: 120000 * Net Order Price: Defaulted from Info record * Tax Code: V1 (Default Value from Info Record) * Tax Date: Default Today   sbs  In the Output Control area, make the following entry:   * Creation Profile: S001 |  |  |
| 8 | Enter Item notes | Navigate to the Notes section and add the required Notes as below:   * Item text * Info record PO text * Material PO text * Delivery text * Info record note * ES Master Agreements (MA) * ES Requests f. Proposals (RFP) * Sequence Number LP   Choose Apply at the bottom of the view. |  |  |
| 9 | Save | Return to the New Purchase Scheduling Agreement header view and choose Save at the bottom of the view.  Make a note of the schedule agreement number. | A schedule agreement is created. |  |

### Mass Changes to Scheduling Agreements (Optional)

Purpose

In this procedure, you can apply changes to multiple selected Scheduling Agreements in bulk.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log onto the Fiori Launchpad using the Purchaser role. | The Fiori Launchpad displays. |  |
| 2 | Access the App | Open Mass Changes to Purchase Scheduling Agreements (F2668) . | The Mass Changes to Scheduling Agreements screen displays. |  |
| 3 | Search for Scheduling Agreements | Set values to some filters to search Scheduling Agreements. For example.:  Supplier: 10300001 Domestic 10 Supplier 1  Purchasing Group: Group 001  Plant: Plant 1 DE  Then choose GO. | The search results show the details with the respective filter criteria. |  |
| 4 | Display Scheduling Agreement | Choose Scheduling Agreement Headers tab and click an individual Scheduling Agreement and choose More Links,  In the dialog box Define Link List, select Manage Scheduling Agreements, choose OK.  Then the link of Manage Scheduling Agreements appears under the scheduling agreement no., click Manage Scheduling Agreements. | The Scheduling Agreement detail screen displays.  Verify data displays on the object page.  Choose Back. |  |
| 5 | Set new values for selected Scheduling Agreements | Choose Scheduling Agreement Items tab and select the desired Scheduling Agreement(s) for Mass Change operation.  Choose Mass Edit. | A dialog box will open displaying fields for Item fields. |  |
| 6 | Apply Mass Changes | Set new values in the given desired fields e.g.- Req. Tracking Number, Short Text  Choose <Replace Field Value>.  Enter new value in the blank field.  Choose Apply Mass Changes. | 1.New values will be set to desired fields for selected Scheduling Agreements.  2.Confirmation dialog box would appear to confirm mass changes where Job description can also be added.  3.After choosing Apply, message popup appears containing Job ID, choose Close. |  |
| 7 | Check Application Jobs | Choose Application Jobs. | It will navigate to Application Jobs page containing the list of Job IDs for all Scheduling Agreements.  Verify if the job is successful for the selected Scheduling Agreements. |  |

### Maintain Delivery Schedule

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.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log onto Fiori launchpad | Log onto the Fiori launchpad using the role Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Purchase Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate newly created scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LPA (SA With Release doc.), 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 object page appears in display mode. |  |
| 5. | Maintain Delivery Schedule | 1. Click on the Edit at the right upper corner on the Manage Scheduling Agreement Header Object page.  2. In Items tab, click on the desired item for which delivery schedule needs to be maintained. | The Purchase Scheduling Agreement Item screen displays. |  |
| 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  Scheduled 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. |  |

### Quota Arrangement in Scheduling Agreement (Optional)

#### Create Scheduling Agreement w/ Release doc - Standard

Purpose

This activity is used to create the scheduling agreement for the material/supplier combination, for example, material RM129 and supplier 10300002, if it has not been main-tained 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 onto the SAP Fiori launchpad, as Purchaser . | SAP Fiori launchpad displays |  |
| 2 | Access the SAP Fiori app | Open Manage Purchase Scheduling Agreements (F2179) tile. | The Manage Purchase Scheduling Agreements list page displays |  |
| 3 | Create Scheduling Agreement | Select Create to create a new scheduling agreement | The New Purchase Scheduling Agreement header view displays. |  |
| 4 | Enter Header Data | Create a new scheduling agreement with the following data:   * Supplier: 10300002 * Agreement type: LPA (SA With Release doc.) * Valid To: MM/DD/YYYY * Purchasing Organization: 1010 * Purchasing Group: 001 * Target Value : 200 000 EUR |  |  |
| 5 | Add Items to Scheduling Agreement | From the New Purchase Scheduling Agreement view, choose the Items facets and select Create. | The Purchase Scheduling Agreement Item |  |
| 6 | Enter Item data | On the Items facets view, make the following entries:   * Plant: 1010 * Material: RM129 * Target Quantity: 120 000 * Net Order Price: Defaulted from Info record   In the Output Control area, make the following entry:   * Creation Profile: S001   Choose Apply at the bottom of the view. |  |  |
| 7 | Save | Return to the New Purchase Scheduling Agreement header view and choose Save at the bottom of the view.  Make a note of the schedule agreement number. | A schedule agreement is created. |  |

#### Maintain Quota Arrangement

Purpose

The purpose of this activity is to maintain quota arrangement for the material/supplier combination, for example, material RM129, supplier 10300001and 10300002,if it has not been maintained yet.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log on to Fiori launchpad | Logon on to Fiori launchpad as Purchaser . |  |  |
| 2. | Access the SAP Fiori app | Open Manage Quota Arrangements (F1877) . | The Maintain Quota Arrangements screen displays. |  |
| 3. | Create Quota Arrangement | Select Create to create a new quota arrangement. | The Quota Arrangement screen displays. |  |
| 4. | Enter Header Data | Create a new quota arrangement with the following data:   * Material: RM129 * Plant: 1010 * Valid From: MM/DD/YYYY * Valid To: MM/DD/YYYY |  |  |
| 5. | Add the first Item to Quota Arrangement | On the Quota Arrangement screen, go to the Quota Arrangement Items view, click on Create. | The New ObjectQuota Arrangement Item 1 screen displays. |  |
| 6. | Enter Item Data 1 | On the New ObjectQutoa Arrangement Item 1 screen, make the following entries:   * Type: External procurement * Special Procuremnt: 0 Standard external procurement * Supplier: 10300001   Click on Apply at the right bottom of the screen.  On the Quota Arrangement screen, go to the Quota Arrangement Items view, make the following entry for Quota Arrangement Item 1:   * Quota: e.g40 | Navigate back to New Quota Arrangement Item with a new item added up in the Items Facets |  |
| 7. | Add the second Item to Quota Arrangement | On the Quota Arrangement screen, go to the Quota Arrangement Items view, click on Create. | The New Object Quota Arrangement Item 2 screen displays. |  |
| 8. | Enter Item Data 2 | On the New Object Qutoa Arrangement Item 2 screen, make the following entries:   * Type: External procurement * Special Procuremnt: 0 Standard external procurement * Supplier: 10300002   Click on Apply at the right bottom of the screen.  On the Quota Arrangement screen, go to the Quota Arrangement Items view, make the following entry for Quota Arrangement Item 2:   * Quota: e.g60 | Navigate back to New Quota Arrangement Item with a new item added up in the Items Facets |  |
| 9. | Save | Choose Save at the right bottom of the screen. | You have created the quota arrangement for the material/supplier combination. |  |

#### Create Planned Independent Requirements

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.

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

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Production Planner . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Maintain PIRs (F3445) . |  |  |
| 3 | Check Default Area of Responsibility | 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. |  |  |
| 4 | Select Material | On the Maintain PIRs screen,  make the following entries:  Plant: 1010 (Plant 1 DE)  Period Indicator: Monthly (M)  Version Active: Yes, No  Search: RM129  Note Please make sure you have the same setting in material master data MRP 3 view for 'Period Indicator'. If not, please refer to master data script BNR for adaption. |  |  |
| 5 | Filter Result | Choose Go to execute. | The material item displays. |  |
| 6 | Select Material Item | Select the material item, and choose Edit in the upper right. |  |  |
| 7 | Edit PIRs | In the Edit PIRs screen, enter quantities per period, for example:  PIR: 1000  Version is Active: YES |  |  |
| 8 | Save PIRs | Choose Save at the right bottom. | The PIRs are saved. |  |

#### MRP Run for Single Item

Context

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 multi-level requirement planning is performed for plant 1010.

Prerequisite

The raw material RM129 is planned at plant level. There is now a requirement for the material RM129 in plant 1010.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Material Planner - External Procurement . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Schedule MRP Runs (F1339) . | The Application Jobs screen displays. |  |
| 3 | Enter Basic Parameters for New Job | Choose Create above the table.  In the New Jobs screen, make the following entries:  Job Template: Material Requirement Planning (MRP)  Job Name: MRP for RM129  Start Immediately: X  Plant: 1010  Material: RM129  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 displays 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/Requirements Situation

Context

After the requirement planning has been performed, you want to display the stock/requirements situation for the Raw material RM129in the stock/requirements list.

Prerequisite

Requirement planning has been carried out.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto SAP Fiori launchpad | Log onto the SAP Fiori launchpad as a Material Planner - External Procurement . | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Monitor Material Coverage - Net / Individual Segments (F2101) . | The Monitor Material Coverage screen displays. |  |
| 3 | Select Material and Show Shortages | Mark the checkbox for the following materials, and then choose Manage Materials.  Material: RM129 | The Material screen and Material Details screen display. |  |
| 4 | Verify Purchase Requisitions that are available | In the STOCK/REQUIREMENTS LIST, to find available schedule lines, look for rows with SchLne items. | The MRP has created schedule lines. |  |

#### Display Delivery Schedule

Purpose

The purpose of this activity is to check the delivery schedule for the scheduling agreement if it has been generated while executing MRP Run.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log on | Logon on to Fiori launchpad as Purchaser . | The SAP Fiori launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | You will get into Manage Scheduling Agreements list page. |  |
| 3. | Find scheduling agreement number | Find the appropriate newly created scheduling agreement through the search criteria, such as: Supplier 10300001 or 10300002, Agreement Type LPA (SA With Release doc.), purchase org 1010 , then choose Go button. Select one item from the search result. | The desired scheduling agreement appears on the list page of Manage 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. | Maintain Delivery Schedule | Under Items section, click on the desired item for which delivery schedule needs to be displayed. | You will get into Scheduling Agreement Item screen. |  |
| 6. | Maintain Delivery Schedule | Go to the Schedule Lines section on the Scheduling Agreement Item screen . You will see the schedule line generated by MRP running.  Choose Back. | Scheduling agreement is updated with schedule lines.  You will be navigated back to Scheduling Agreement Header object page. |  |

#### Check the allocated Quantity in Quota Arrangement

Purpose

The purpose of this activity is to maintain quota arrangement for the material/supplier combination, for example, material RM129, supplier 10300001and 10300002,if it has not been maintained yet.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Logon on to Fiori launchpad | Logon on to Fiori launchpad as Purchaser . | The SAP Fiori launchpad displays. |  |
| 2. | Access the App | Open Manage Quota Arrangements (F1877) . | You will get into Maintain Quota Arrangements screen. |  |
| 3. | Search for Quota Arrangement | On the Manage Quota Arrangements screen, make the following entries and choose the Go button.   * Material: RM129 * Plant: 1010 | The relevant Quota Arrangements are shown, |  |
| 4. | Display Quota Arrangement | In the list of the Quota Arrangements, select the Quota Arrangement with the valid period by clicking the entire row. | The quota arrangement is displayed. |  |
| 5. | Check Allocated Quantity Details | On the Quota Arrangement screen, the quota-allocated quantities for the two suppliers are shown. | The supplier is assigned by the system. The supplier is determined based on the quota arrangement calculation. |  |

### Print Scheduling Agreement

Purpose

The purpose of this activity is to print view 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 / Comment |
| 1. | Log onto Fiori launchpad | Log onto the Fiori launchpad as Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Purchase Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LPA (SA With Release doc.), 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 object page appears in display mode. |  |
| 5. | View the output form for scheduling agreement | Go to the Output controls tab and view the output settings maintained for the scheduling agreement. Click on the PDF sign to view the output form of scheduling agreement. | PDF form for scheduling agreement shall open. |  |

### Release Scheduling Agreement

Purpose

The purpose of this activity is to release the schedules for the respective scheduling agreement at scheduling agreement level or item level.

You can choose release scheduling agreement either at scheduling agreement level or item level.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log onto Fiori launchpad | Log onon to Fiori launchpad as Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Purchase Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LPA (SA With Release doc.), 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. | Option 1:  Release of schedule at scheduling agreement level | On the Manage Purchase Scheduling Agreements list page, select the schedule agreement and choose Release at the right upper corner.  Select Forecast and JIT Schedule. In the Release: Forecast and JIT Schedule dialog box, choose Release.  Or  Select Forecast Schedule, in the Release: Forecast Schedule dialog box, choose Release.  And select JIT Schedule, in the Release: JIT Schedule dialog box, choose Release.  In the Release Result Log dialog box, choose Close. | Release of schedule shall be with green status. |  |
| Option 2:  Release of schedules at item level | On the Manage Purchase Scheduling Agreements list page, navigate to the selected scheduling agreement by clicking on Cheveron (>) or by directly clicking on the Scheduling agreement number from the list page.  Go to the Items tab, select the item, and then choose Release, it will show the option to release FRC and JIT schedules.  Select Generate Forecast Schedule and choose Release. Choose OK.  Select Generate JIT Schedule and choose Release.  Choose OK. | The Scheduling agreement header object page appears in display mode.  Success message display for the respective schedule released:  Forecast schedule release generated against scheduling agreement.  JIT delivery schedule created under scheduling agreement.  The release document would be issued immediately to the supplier and releases status would be Transmitted. |  |

### Check Scheduling Agreement Release Documentation

Purpose

The purpose of this activity is to view the release documentation after releasing the schedules for the respective scheduling agreement at scheduling agreement level and item level.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log onto Fiori launchpad | Log onto the Fiori launchpad as Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Purchase Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LPA (SA With Release doc.), 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 object page appears in display mode. |  |
| 5. | Quick View for Release Information | Go to the Items tab. Select the item and choose Release Document icon to view the information related to Last & next release of FRC & JIT Schedules | Quick view shall open up with information related to Last & next Release date & time for FRC/JIT schedules |  |
| 6. | View Release documentation | Navigate to Item Object page for the respective scheduling agreement and go to the Release document tab. | It shall display the transmitted or non-transmitted status of the schedules. You can navigate to respective schedules to view the detailed information about the schedule lines released. |  |

### Print Scheduling Agreement Releases

Purpose

The purpose of this activity is to view and print if needed the release documentation after releasing the schedules for the respective scheduling agreement at item level & scheduling agreement level.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log onto Fiori Launchpad | Log onto the Fiori Launchpad using the role Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The New Purchase Scheduling Agreement screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate newly created scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LPA (SA With Release doc.) Purchasing Organization 1010, then choose Go. Select one item from the search result. | The desired scheduling agreement appears on the list page of New Purchase Scheduling Agreement. |  |
| 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. | Select Scheduling Agreement Item | Go to the Items tab, choose the desired item for which delivery schedule has been released. | The Purchase Scheduling Agreement Item screen displays. |  |
| 6. | Display Message for Forecast dlv. Sched. | Go to the Release Documents section on the Purchase Scheduling Agreement Item screen and click the specific Release Number with Release Type (Forecast dlv. Sched.).  Go to the OutputControls section on the Scheduling Agreement Release screen, select the specific message with channel PRINT, and then choose Display Document to view the PDF details. You can download this PDF and sent to supplier via Email. | The Scheduling agreement Release screen display.  The Scheduling agreement release is opened in PDF format. |  |
| 7  . | Display Message for JIT delivery schedule | Go to the Release Documents section on the Scheduling Agreement Item screen and click the specific Release Number with Release Type (JIT delivery schedule).  Go to the Output Controls section on the Scheduling Agreement Release screen, select the specific message with channel PRINT, and then choose Display Document to view the PDF details. You can download this PDF and sent to supplier via Email. | The Scheduling agreement Release screen display.  The Scheduling agreement release is opened in PDF format. |  |

### Evaluate the Stock/Requirement Situation

Test Administration

Customer project: Fill in the project-specific parts.

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

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 onto the SAP Fiori Launchpad as a Material Planner - External Procurement . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Monitor Material Coverage - Net / Individual Segments (F2101) . | The Monitor Material Coverage screen displays. |  |
| 3 | Check Default Area of Responsibility | On the Monitor Material Coverage screen select the user (on the top right corner), click on 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 screen, make the following entries and choose the Go button.  Material: RM129 | The relevant material is shown. |  |
| 5 | Select Material | Select the checkbox before the materials no., and then choose Manage Materials. | The Materials 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 displays. |  |
| 7 | Open Quickview for MRP Element | On the Material Details screen, click the SchLne XXXX in column MRP Element. | The SchLne XXX you clicked will display on the pop-up. |  |
| 8 | Open Scheduling Agreement | On the Pop-up SchLne XXX screen, choose Open…, and then select Scheduling Agreement. | The Display Scheduling Agreement: Item Overview screen displays. |  |
| 9 | Display Delivery Schedule | Select the checkbox before the item no., and then choose More -> Delivery Schedule. | The Display Scheduling Agreement: Delivery Schedule for Item XXX screen displays.  The system displays the scheduled quantity and dates. |  |

### 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. |

Context

In this step, you post the goods receipt for the material against the scheduling agreement.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log onto the SAP Fiori launchpad as Warehouse Clerk . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Post Goods Receipt for Purchasing Document (F0843). | The Goods Receipt Purchase Order screen appears. |  |
| 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 drop-down list.   And choose Enter. |  |  |
| 5 | Select Item | Select the items for which a goods receipt is to be posted.  Enter the delivered quantity and check storage location to be posted. | The Post button is activated. |  |
| 6 | Post | Choose Post. | The system is displayed the message 1 material document(s) posted: 5xxxxxxxxx 2xxx. |  |

### Create Supplier Invoice with Scheduling Agreement/GR Relation

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you create the supplier invoice.

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: 10300001  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).  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 from scheduling agreement when you create supplier invoice in App: Create Supplier Invoice.you can also choose a different valid tax country from the list based the requirement. | 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  9 | 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. |  |

## Scheduling Agreement w/o Release doc for Standard Procurement

### Create Scheduling Agreement w/o Release doc - Standard

Purpose

This activity is used to create the scheduling agreement w/o release doc for the material/supplier combination, for example, material RM129 and supplier 10300001, 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 onto the SAP Fiori launchpad, as Purchaser . | SAP Fiori launchpad displays |  |
| 2 | Access App | Open Manage Purchase Scheduling Agreements (F2179). | The Manage Purchase Scheduling Agreements list page displays |  |
| 3 | Create Scheduling Agreement | Select Create to create a new scheduling agreement | The New Purchase Scheduling Agreement header view displays. |  |
| 4 | Enter Header Data | Create a new scheduling agreement with the following data:   * Supplier: 10300001 * Agreement type: LP (Scheduling Agreement) * Valid End: MM/DD/YYYY * Purchasing Organization: 1010 * Purchasing Group: 001 * Target Value : 200000 EUR |  |  |
| 5 | Add Items to Scheduling Agreement | From the New Purchase Scheduling Agreement view, choose the Items facets and select Create. | The Purchase Scheduling Agreement Item view displays. |  |
| 6 | Enter Item data | On the Items facets view, make the following entries:   * Plant: 1010 * Material: RM129 * Target Quantity: 10000 * Net Order Price: Defaulted from Info record * 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 header view and choose Save at the bottom of the view.  Make a note of the schedule agreement number. | A schedule agreement is created. |  |

### Approve Scheduling Agreement (Optional)

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 be triggered the approval process.

Prerequisite

A Scheduling Agreement must exist for release.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the SAP Fiori Launchpad with the Purchasing Manager role. | The SAP Fiori Launchpad is displayed. |  |
| 2 | Open Approve Scheduling Agreement | Open My Inbox - All Items (F0862) . | A list of already created Scheduling Agreement s is displayed. |  |
| 3 | Search for Scheduling Agreement Status | Enter the Scheduling Agreement number in the search area, then choose the Search button. | The Scheduling Agreement s 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 displays. |  |
| 4 | Enter Release Reason | Enter the approval reason if needed, then choose Submit. | The Scheduling Agreement is approved. |  |
| 5 | Back to SAP Fiori Launchpad | Choose the Home button to go back to the SAP Fiori launchpad. | The SAP Fiori launchpad is displayed. |  |

### Maintain Delivery Schedule

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.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log onto Fiori launchpad | Log onto the Fiori launchpad using the role Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate newly created scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LP, Purchasing Organization 1010, then choose Go. Select one item from the search result. | The desired scheduling agreement appears on the list page of Manage 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. | Maintain Delivery Schedule | 1. Click on the Edit at the right upper corner on the Manage Scheduling Agreement Header Object page.  2. In Items tab, click on the desired item for which delivery schedule needs to be maintained. | The Scheduling Agreement Item screen displays. |  |
| 6. | Maintain Delivery Schedule | Go to the Schedule Lines section on the Scheduling Agreement Item screen and choose Create. You will get into the Scheduling agreement Item Schedule Line 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

Purpose

The purpose of this activity is to print view the scheduling agreement for the material/vendor 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 / Comment |
| 1. | Log onto Fiori launchpad | Log onto the Fiori launchpad as Purchaser . | The SAP Fiori Launchpad displays. |  |
| 2. | Access the App | Open Manage Purchase Scheduling Agreements (F2179) . | The Manage Purchase Scheduling Agreements screen displays. |  |
| 3. | Find scheduling agreement number | Find the appropriate scheduling agreement through the search criteria, such as: Supplier 10300001, Agreement Type LP, 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 object page appears in display mode. |  |
| 5. | View the output form for scheduling agreement | Go to the Output controls tab and view the output settings maintained for the scheduling agreement. Click on the PDF sign to view the output form of scheduling agreement. | PDF form for scheduling agreement shall open. |  |

### Evaluate the Stock/Requirement Situation

Test Administration

Customer project: Fill in the project-specific parts.

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

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 onto the SAP Fiori Launchpad as a Material Planner - External Procurement . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Monitor Material Coverage - Net / Individual Segments (F2101) . | The Monitor Material Coverage screen displays. |  |
| 3 | Check Default Area of Responsibility | On the Monitor Material Coverage - Net and Individual Segments screen select the user (on the top left corner), click on 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 the Go button.  Material: RM129 | The relevant material is shown. |  |
| 5 | Select Material | Select the checkbox before the materials no., and then choose Manage Materials. | The Materials 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 displays. |  |
| 7 | Open Quickview for MRP Element | On the Material Details screen, click the SchLne XXXX in column MRP Element. | The SchLne XXX you clicked will display on the pop-up. |  |
| 8 | Open Scheduling Agreement | On the Pop-up SchLne XXX screen, choose Open…, and then select Scheduling Agreement. | The Display Scheduling Agreement: Item Overview screen displays. |  |
| 9 | Display Delivery Schedule | Mark the checkbox before the item no., and then choose More -> Delivery Schedule. | The Display Scheduling Agreement: Delivery Schedule for Item XXX screen displays.  The system displays the scheduled quantity and dates. |  |

### 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. |

Context

In this step, you post the goods receipt for the material against the scheduling agreement.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log onto the SAP Fiori launchpad as Warehouse Clerk . | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Post Goods Receipt for Purchasing Document (F0843). | The Goods Receipt Purchase Order screen appears. |  |
| 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 drop-down list.   And choose Enter. |  |  |
| 5 | Select Item | Select the items for which a goods receipt is to be posted.  Enter the delivered quantity and check storage location to be posted. | The Post button is activated. |  |
| 6 | Post | Choose Post. | The system is displayed the message 1 material document(s) posted: 5xxxxxxxxx 2xxx. |  |

### Create Supplier Invoice with Scheduling Agreement/GR Relation

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this activity, you create the supplier invoice.

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 | Open 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: 10300001  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 for zero tax. | 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. |  |

## Integration of Scheduling Agreement Procurement with External Suppliers

Note If the configuration in sections On-Premise-to-Cloud Integration and On-Premise-to-On-Premise Integration under Setting Up Scheduling Agreements in Procurement (BMR) has been done, the EDI integration from purchasing scheduling agreement’s perspective can be executed.

# Appendix

## Process Integration

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

### Succeeding Processes

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

|  |  |
| --- | --- |
| Process | Business Condition |
| Fiori Overview Pages 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.  Via 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. |

## Relevant Features

Here are listed some important application functionalities related to Scheduling Agreement, which are not covered in the above test procedures.

|  |  |  |  |
| --- | --- | --- | --- |
| Function Area | Function | Detailed Information | Comment |
| Purchase Scheduling Agreement | Header/Item notes | Create notes for purchase scheduling agreement document to maintain various details about the document | * Header notes are supported to be copied from RFQ/Quotation and Scheduling Agreement * Item Notes are supported to be copied from Scheduling Agreement, RFQ/Quotation, Purchase Requisition and Info record |
| Purchase Scheduling Agreement | Output details for scheduling agreements | Output Type/Channel/Form Template/Email Template for Scheduling Agreement (LP) | SCHEDG\_AGRMT\_INCL\_SCHEDULES  PRINT/EMAIL/IDOC  MM\_PUR\_SCHD\_AGRMT\_INCL\_SCHED  MM\_PUR\_SCHD\_AGRMT\_DEF\_TEMPLATE |
| Output Type/Channel/Form Template/Email Template for Header of SA With Release doc. (LPA) | SCHEDULING\_AGREEMENT  PRINT/EMAIL/IDOC  MM\_PUR\_SCHD\_AGRMT  MM\_PUR\_SCHD\_AGRMT\_DEF\_TEMPLATE |
| Output Type/Channel/Form Template/Email Template for Itemof SA With Release doc. (LPA) | SCHEDULING\_AGREEMENT\_REL  PRINT/EDI  MM\_PUR\_SCHD\_AGRMT\_REL  - |
| Purchase Scheduling Agreement | Add attachments |  | Attachment can be uploaded in the header of purchase scheduling agreement, which will also be shown under the Attachments tabs of purchase scheduling agreement in My Inbox app. |
| Purchase Scheduling Agreement | Enable the Kanban process for purchase scheduling agreement items | At the item level, under the GR/IR Control facet,  Kanban Indicator: Scheduling Agreement for Summarized JIT Call | Kanban is a means of signaling the demand status for a certain material. The replenishment or production of a material is not triggered until a certain production level needs the material. The signal for replenishment is issued by an indicator, that is sent by a demand source (consumer) to the supply source (supplier).  This functionality is used in test script 1E3. |
| Purchase Scheduling Agreement | Save in Preparation option | Create and save scheduling agreements as a draft using the Save in Preparation option. | The Save in Preparation option is only enabled before a purchase scheduling agreement has been approved and released. |
| Purchase Scheduling Agreement | Withdraw a purchase scheduling agreement from approval | Select the purchase scheduling agreement and choose Withdraw from Approval. | This cancels the approval process for a specific purchase scheduling agreement. You can then make the required changes to the purchase scheduling agreement and submit it again for approval. |
| Purchase Scheduling Agreement | Manage Workflows for Scheduling Agreements | <https://help.sap.com/viewer/0e602d466b99490187fcbb30d1dc897c/latest/en-US/d8967a572d71434bb787fb8ab63aad3b.html> |  |
| Purchase Scheduling Agreement | How to Configure the Flexible Workflow for Scheduling Agreements | <https://help.sap.com/viewer/0e602d466b99490187fcbb30d1dc897c/latest/en-US/147ccd5b266042e1896bbb3b34ef2569.html> |  |

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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