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| Test Script  SAP S/4HANA - 18-09-20 | public |
| Procurement of Pipeline Materials (41F\_DE) |

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# Purpose

The pipeline process begins with the creation of a pipeline info record and is followed by the posting goods issue from the pipeline. The process is closed with the settling of pipeline liabilities.

A pipeline material is a material that flows directly into the production process from a pipeline (for example, oil), from a pipe (for example, tap water), or from another similar source (for example, electricity).

A material from the pipeline is always available; that is, it can be withdrawn from the pipeline at any time and in any quantity.

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 prerequisites to conducting the test in terms of systems, users, master data, organizational data, and 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 |
| 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 | <Empty> | <Empty> |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company have been created in your system during implementation. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| Master data | Value | Master. data details | Comments |
| Material | PIP01 | Pipeline Material 01 |  |
| Supplier | 10300003 | INLANDSLIEFERANT DE 3 |  |
| Plant | 1010 | Plant 1 DE |  |
| Storage Location | 101A | Standard storage 1 |  |
| Company Code | 1010 | Company Code 1010 |  |
| Purchase Organization | 1010 | Purch. Org. 1010 |  |
| Purchasing group | 001 | Group 001 |  |

For more information on creating these 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)

# Overview Table

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

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

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Create Purchasing Info Record](#unique_7) [page ] 6 | Purchaser | Create Purchasing Info Record (ME11) | Purchase Info Record is created successfully. |
| [Record Consumption](#unique_8) [page ] 7 | Warehouse Clerk | Post Goods Movement (MIGO) | Goods Movement is posted successfully. |
| Invoice Receipt from Pipeline Withdrawal | | | |
| [Schedule Supplier Invoice Jobs](#unique_9) [page ] 9 | Accounts Payable Accountant | Schedule Supplier Invoice Jobs - Advanced (F1683) |  |

# Test Procedures

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

## Create Purchasing Info Record

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.

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 App | Choose Create Purchasing Info Record (ME11) . | The Manage Purchasing Info Records screen is displayed. |  |
| 3 | Enter Data | Make the following entries:   * Supplier: 10300003 * Material: PIP01 * Purchasing Organization: 1010 * Plant: 1010   In the Info Category section, make the following entries:  Pipeline: X  And press Enter. | The Create Info Record: General Data screen displays |  |
| 4 | Enter Purchasing Data | Click on Purch. Org. Data 1 and make the following entries in Supplier Data section:   * Delivery Time in Days: 2 Days * Purchasing Group: 001 * Standard Quantity: 1 * Tax Code: V1 * Net Price: <Net Price> | Purchasing Data is added. |  |
| 5 | Save your data | Choose Save. | The purchasing info record is saved. |  |

## Record Consumption

Test Administration

Customer project: Fill in the project-specific parts.

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

Purpose

In this process step you create an opportunity without a preceding document.

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 Movement (MIGO).  It only displays this way if it was your last transaction. So, the action for the user should be: select Reference Document for MIGO Goods Issue > Other . |  |  |
| 3 | Enter Movement Type | Make the following entry and choose Enter.  Executable Action in Transaction MIGO: Goods Issue  Reference Document for MIGO Transaction: Other | The Goods Issue Other screen displays. |  |
| 4 | Edit Material | On the Goods Issue Other Screen: Material tab, make the following entry, and choose Enter:  Material: PIP01 |  |  |
| 5 | Enter Quantity Data | On the Goods Issue Other Screen: Quantity tab, make the following entry, and choose Enter:  Qty in Unit of Entry: 100  Unit of Entry: L |  |  |
| 6 | Enter data on the Goods Issue Other Screen: Where Tab | On the Goods Issue Other Screen: Where tab. Use the helper to make the following entries:  Movement Type: 201P (Consumption for cost center from pipeline)  Make the following entries and choose Enter:  Plant: 1010 |  |  |
| 7 | Enter Account Assignment Data | Click on Account Assignment. On the Goods Issue Other Screen: Account Assignment tab. Make the following entries:  G/L account: 51100000  Cost Center: 10101301 |  |  |
| 8 | Save Your Entries | Choose Post. | Material document posted with document number. Make a note of the Material Document number. |  |

## Invoice Receipt from Pipeline Withdrawal

### Schedule Supplier Invoice Jobs

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

Scheduling supplier invoice jobs is especially effective if you create settlement documents periodically.

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 - Procurement. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Schedule Supplier Invoice Jobs - Advanced (F1683). | The Application Jobs screen is displayed. |  |
| 3 | Create Application Job | Choose New (+). | The New Job screen is displayed. |  |
| 4 | Execute Consignment settlement | Make the following entries:   * In the General Information section, from the drop-down box of Job Template, choose Logistic Consignment and Pipeline Settlement. * In the Scheduling Options section, make sure that Start Immediately checkbox is checked. Or you can also set the start date and start time. * In the Parameter Section section, make the following entries:   Company Code: for example, 1010  Supplier: 10300003  Plant: 1010  Material: PIP01  Material Document: Enter the material document number created from the last step.  Consignment: Deselected  Pipeline: Selected  Display: Selected  Tax Date: <Today>  The Tax Date is the key date for calculating tax, please maintain it carefully according to your financial business requirements. Withdrawals Not Settled: Selected  Choose Check. | The system message displays: You can go ahead and schedule the job. |  |
| 5 | Schedule the job without Test Run | Select Settle and then choose Schedule. |  |  |
| 6 | Check the result | In the Application Jobs screen, find the job you created. You may need to wait several minutes and refresh to see the results after the job status becomes finished.  Choose Results. | The detailed log is displayed in the Document (ID, XXXXX) screen. You can find the corresponding Document number and FI Document number created. |  |

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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