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| Test Script  SAP S/4HANA - 04-09-20 | public |
| Proposal of Material Group (2XV\_DE) |

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# Purpose

During the purchase requisition process using the shopping cart scenario, the free text material item is filled automatically by the proposal of the material group based on, among other things, the historical purchase order data, utilizing the Machine learning recommendation.

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 |
| Employee - Procurement | SAP\_BR\_EMPLOYEE\_PROCUREMENT |  |  |  |
| Configuration Expert - Business Process Configuration | SAP\_BR\_BPC\_EXPERT | Business Process Configuration | SAP\_BR\_BPC\_EXPERT |  |
| Administrator | SAP\_BR\_ADMINISTRATOR | Administration | SAP\_BR\_ADMINISTRATOR |  |

## Master Data and Organizational Data

The organizational structure and master data of your company was created in your SAP S/4HANA system during implementation. 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 the following master data in the process steps described in this document:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material |  |  |  |
| Short text | For example, office supply | Short text |  |
| Plant | 1010 | Plant 1 DE |  |
| Supplier | 10300002 | Domestic 10 Supplier 2 |  |
| Company Code | 1010 | Company Code 1010 |  |
| Purchasing Organization | 1010 | Purch. Org. 1010 |  |
| Purchasing Group | 002 | Group 002 |  |
| G/L Account | 65100000 | Purchased Services |  |
| Cost Center | 10101101 |  |  |

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 |
| BNE | Create Supplier Master– MDS |
| BNG | Create G/L Account and Cost Element– MDS |
| BNM | Create Cost Center and Cost Center Group– MDS |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| 18J - Requisitioning | You have completed the step described in the chapter Create Purchase Requisition. |

## Preliminary Steps

### Configure S/4 Cloud Edition integration

External process

Please refer to the document Setting Up Propose Material Group (2XV).

### Maintain the Default Setting for Users

Purpose

The default setting for an employee should be maintained by the Configuration Expert mandatorily. Plant and Company code have to be maintained in the user defaults screen.

The user must be an employee user, because this scope item is focused on employee procurement.

The user for Purchase Requisition approval and Purchase Order approval also must be an employee user.

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](https://help.sap.com/viewer/S4HANA_1809_AdminGuide)

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 Configuration Expert - Business Process Configuration or an Administrator. | The Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Default Settings for Users - Purchase Requisitions (F1995). | The Default Settings for Users screen is displayed. |  |
| 3 | Enter the User ID | On the Default Settings for Users screen, enter the User ID and then choose Enter.  Please use the Search Help to find the User ID for User Name EmployeeProcurement. |  |  |
| 4 | Edit the Default Setting for User | On the Default Settings for Users screen, choose Edit on the lower right corner.  Make the following entries:  Plant: for example,  1010  Company Code: for example,  1010  Currency: for example, EUR  Source Determination: <Selected>  Purchasing Doc. Type: for example, NB  Choose Save. | Default Settings are set for users. |  |

### Activate Machine Learning Scenarios

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 Configuration Expert - Business Process Configuration or an Administrator. | The Fiori launchpad is displayed. |  |
| 2 | Access the App | Open Manage Your Solution (F1241). | The Manage Your Solution screen is displayed. |  |
| 3 | Open Configure Your Solution | Choose Configure Your Solution.  If country version needs to be added, choose Set Country Version. | The Configure Your Solution screen is displayed. |  |
| 4 | Open Machine Learning Scenario configuration | Search for Define Machine Learning Scenarios  Choose configuration with name Smart Enterprise Intelligence from search result, then choose Configure on the right of configuration steps with name Define Machine Learning Scenarios.  On the Change View “Machine Learning Scenario Configuration”: Overview screen, select Propose Material Group then choose Details. | The Machine Learning Scenario configuration screen is displayed. |  |
| 5 | Activate Machine Learning Scenario | On the Change View “Machine Learning Scenario Configuration”: Details screen, check if the following entry selected:  Activate: Selected | The Propose New Catalog Item is activated. |  |

# Overview Table

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Create Purchase Requisition](#unique_11) [page ] 9 | Employee - Procurement | Create Purchase Requisition (F1643) | Purchase Requisition is created. |

# Test Procedures

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

## 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

Employee create shopping cart for free text material with propose material group.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to SAP Fiori launchpad as an Employee - Procurement. | The SAP Fiori launchpad is displayed. |  |
| 2 | Access to Create Purchase Requisitions | Open Create Purchase Requisition (F1643). | The Create Purchase Requisition screen is displayed. |  |
| 3 | Create Purchase item | On the Create Purchase Requisition screen, choose Create Own Item. |  |  |
| 4 | Enter General Data | In the General Data section, make the following entries:  Material: <Blank>  Short Text: for example, office supply  Material Group: Choose Material Group (material groups with rating% available).  Rating% is coming from integrated Machine Learning APIs, which is based on the purchasing documents created in the past.  Valuation Price: for example, 100  Currency: for example, EUR  Quantity Requested : for example, 100  Unit of Measure: for example, EA  Delivery Date : for example, <today +30> |  |  |
| 5 | Add to Shopping Cart | Choose Add to Cart at the right bottom of the screen. | The Purchase Requisition Overview screen is displayed. |  |
| 6 | View Cart | Choose Purchase Requisition Overview on the upper right part of the screen to view the cart, and then choose View Cart.  Select the item created, and enter the following entries:  Purchasing Group : for example, 002  Organization: for example,  1010  Company Code : for example,  1010  Plant: for example,  1010  Acct Assignment Cat: K  In the Account Assignment section: choose serial no.acct.assgt 01.  On the Accounting Details screen, make the following entries:  GL Account: for example, 65100000  Cost Center: for example,  10101101  Choose Back.  Choose Save.  Choose Back. |  |  |
| 7 | Order | Choose Order. | Purchase Requisition 1000XXXX 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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