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| Test Script  SAP S/4HANA - 17-09-20 | public |
| Standard Cost Calculation (BEG\_DE) |

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# Purpose

This scope item enables you to update standard costs for products as part of annual operations planning. The costs are entered manually, and the costing run is created and executed.

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) .

Table 1:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Inventory Accountant | SAP\_BR\_INVENTORY\_ACCOUNTANT | Inventory Accounting | SAP\_BR\_INVENTORY\_ACCOUNTANT |  |
| Cost Accountant - Overhead | SAP\_BR\_OVERHEAD\_ACCOUNTANT | Overhead Accounting | SAP\_BR\_OVERHEAD\_ACCOUNTANT |  |

## Master Data, Organizational Data, and Other Data

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Cost Center | \* | All cost centers |  |
| Activity Types | \* | All activity types | All activity types used in the routings / work centers of the materials to be calculated. |
| Material Master | \* | Material type FERT, HALB, ROH | Select all materials which belong to this material type. |

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 2: Master Data Script Reference

|  |  |
| --- | --- |
| Master Data ID | Description |
| BNM | Create Cost Center and Cost Center Group |
| BNN | Create Activity Type and Activity Type Group |
| BNT | Create Finished Good ("FERT") |
| BNS | Create Semi-Finished Good ("HALB") |
| BNR | Create Raw Material ("ROH") |

# Overview Table

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Enter Activity Price](#unique_7) [page ] 6 | Cost Accountant - Overhead | Edit Prices for Activity Types - Cost Centers (KP26). | The Manage Cost Rates - Plan screen displays and activity price entered. |
| [Create Costing Run](#unique_8) [page ] 7 | Inventory Accountant | Manage Costing Runs - Estimated Costs (F1865) | The Manage Costing Runs Estimated Costs view displays and costing run is created. |
| [Execute Costing Run](#unique_9) [page ] 9 | Inventory Accountant | Manage Costing Runs - Estimated Costs (F1865) | The Manage Costing Runs Estimated Costs view displays and costing run is executed. |

# Test Procedures

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

## Enter Activity Price

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 activity, you enter activity price.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as a Cost Accountant - Overhead. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Edit Prices for Activity Types - Cost Centers (KP26). | The Change Activity Type/Price Planning: Initial Screen displays. |  |
| 3 | Enter Variables | Make the following entries :  Version: 0  From Period: 11  To Period: 12  Fiscal Year: <Current fiscal year> note  Note In case of annual operations planning for the next fiscal year, select this one.  Cost Center: 10101301  Activity Type: 1  Choose Overview Screen. | The Change Activity Type/Price Planning: Overview Screen displays. |  |
| 4 | Make Price Changes | Make changes to Price (Fixed) and Variable Price field and choose Post | Activity prices are posted for next fiscal year. |  |

## Create Costing Run

Test Administration

Customer project: Fill in the project-specific parts.

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

Context

In this activity, you create a costing run.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as a Inventory Accountant. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Costing Runs - Estimated Costs (F1865). | The Manage Costing Runs Estimated Costs view displays. |  |
| 3 | Creating Costing Run | Choose the Create button. | The Create New Costing Run view displays. |  |
| 4 | Enter Parameters for Costing Run | Make the following entries and choose Enter.  Costing Run: Test1  Costing Run Date: <Enter the current date>  Description: Costing Run Test1  Costing Variant: PYC1  Costing Version: 1  Controlling Area: A000  Company Code: 1010  Costing Date From: <Enter the first day of next year>  Costing Date To: Adopt default value  Qty Structure Date: <Enter the first day of next year>  Valuation Date: <Enter the first day of next year> |  |  |
| 5 | Save Costing Run | Choose the Save button. |  |  |

## Execute Costing Run

Test Administration

Customer project: Fill in the project-specific parts.

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

Context

In this activity, you execute the costing run. Configured materials are not included.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as an Inventory Accountant. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Costing Runs - Estimated Costs (F1865). | The Manage Costing Runs Estimated Costs view displays. |  |
| 3 | Select Costing Run | Search for the costing run created in the previous step.  In the Costing Run column, choose the costing run name and choose Edit Costing Runs. |  |  |
| 4 | Edit Costing Run | In the Edit Costing Run view, make the desired changes and choose Continue. |  |  |
| 5 | Create Cost Estimates | In the Create Cost Estimate table, for each row, there is a Change Parameter button in the Parameters column. Choose the one in the selection row and make the following entries:  Material Type : HALB, ROH, FERT  Plant: 1010  Select option Explode Multilevel Structure.  Deselect Background Processing indicator and then choose Save.  Choose Back.  Choose Execute, which displays in the Execute column, and the status light for the Selection row turns green. | The selection is executed. |  |
| 6 | Create Cost Estimates | For the Costing row, choose the Change Parameter button. On the Costing Run: Cost Estimate – Change Parameters, deselect Background Processing indicator and then choose Save.  Choose Back.  Choose Execute, which displays in the Execute column and the status light for the Costing row turns green. | Costing Run is executed. |  |
| 7 | Create Cost Estimates | From the menu, choose Edit > Costing Results.  If the status light for this row is red, review the Costing levels report. Correct errors in the report. To re-run the costing (if necessary), repeat steps for Struct. Explosion and Costing Rows. | Costing Run is executed. |  |
| 8 | Create Cost Estimates | On the Analysis row, choose the Change Parameter button. Select SAP&11 for the parameter setting and then select Choose. On the Costing Run: Analysis – Change Parameters, deselect Background Processing indicator and then choose Save.  Choose Back.  Choose Execute, which displays in the Execute column. | Costing Run is executed. |  |
| 9 | Create Cost Estimates | On the Marking row, choose the Lock button.  Note The allowance must be set for the period for which the price update is scheduled.  On the Price Update: Organizational Measure screen, select the Company Code: 1010.  In the dialog box that appears, enter the costing variant of PYC1 and the costing version of 1, and then choose Issue allowance for marking. The status light of the row turns green.  Choose Back.  Choose Change Parameter and deselect Test Run and Background Processing.  Choose Save.  Choose Back, and choose Execute. | Costing Run is executed.  Note Check the log and resolve error messages. Warning messages may also be potential problems later on in the process, so those need to be resolved as well.  The following is an excerpt of potential messages:   * The messages Costing error for material SGPI\*1 to 10: no BOM and routing and Costing error for material FG\_FL\*0 to FG\_FL\*2 : no BOM and routing are ok. These materials are sample master data for additional processes. * In case no price could be determined for single-level material, the following message displays No price could be determined for material/batch PPPP plant XX10 (PPPP stands for Material number/XX stands for Country ID). For correction, refer to scope item 1ZT: Managing Material Price Changes and Inventory Values. |  |
| 10 | Create Cost Estimates | On the Release row, choose Change Parameter and deselect Test Run and Background Processing.  Choose Save.  Choose Back, and choose Execute.  Note The new standard price cannot be updated before the first day of the validity of the costing run. For example, if costing run is valid from 01/01/<planning year>, then releasing the standard price is possible on 01/01/<planning year> at the earliest. | The current prices will be updated in the material master data. |  |

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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