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| Test Script  SAP S/4HANA - 17-09-20 | public |
| Period-End Closing - Maintenance Orders (BF7\_DE) |

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# Purpose

This scope item supports activities required for the Preventive Maintenance (BJ2) and Corrective Maintenance (BH1) scope items. Once the cost is recorded in the YBA1 - Maintenance Order, YBA2 - Preventive Maintenance, and YBA3 - Unplanned Maintenance order types, this scope item is executed as a follow-up for settlement, closing and reporting.

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 |
| Cost Accountant - Production | SAP\_BR\_PRODN\_ACCOUNTANT | Product Costing | SAP\_BR\_PRODN\_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 to go through the test procedure. If you have installed an SAP Best Practices baseline package, you can use the following baseline package sample data:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| OPERATING CONCERN | A000 |  |  |
| CONTROLLING AREA | A000 |  |  |
| COMPANY CODE | 1010 |  |  |
| G/L ACCOUNT |  |  | G/L account for posting |
| COST CENTER | 10101301 |  | Manufacturing 1 (DE) |
| SERVICE ORDER TYPE |  | Service order type: YBA1-Maintenance Order  Service Order type: YBA2-Preventive Maintenance |  |

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

|  |  |
| --- | --- |
| Master Data ID | Description |
| BNM | Create Cost Center and Cost Center Group |
| BNG | Create G/L Account and Cost Element |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Items | Business Condition |
| BH1 - Corrective Maintenance | Before executing this test script, you must perform the steps in test script BH1. |

## Preliminary Steps

### User Settings - Set Controlling Area

Purpose

The controlling area must be set before you carry out the first steps in controlling.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step # | Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Cost Accountant - Overhead. | The SAP Fiori launchpad displays. |  |
| 2 | Choose User Preferences | Choose the user icon on the top right corner of the screen, and choose Settings.  Choose Default Values. | The Default Values screen displays. |  |
| 3 | Enter Data | On the CO Area field,  enter the following value: A000.  Choose Save. | Controlling area A000 is set for your user. |  |

### Order Type to Settlement Profile Mapping

This section describes the assignment design flow of each order type to its respective settlement/allocation.

Table 2:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Order Type | Settlement Profile | Allocation Structure | Line ID | Cost Element Group of Line ID | Receivers |
| Order type YBA1, YBA2, and YBA3 | YEAM01 - Maintenance order | YE | 10 - Personnel Cost | YBMF\_001 | CTR and WBS to secondary GL 92105100-Personnel costs |
| YE | 20 -Spare/Service/Ext material | YBMF\_002 | CTR and WBS to secondary GL 92105200-Sp/Serv/Ext Mat con |
| YE | 30 - Other Costs | YBMF\_003 | CTR and WBS to secondary GL 92105300- Other Cost |
| YE | 40 - Secondary Costs | YBMF\_004 | CTR and WBS to secondary GL 92105400- Secondary costs |

Note You can update the cost element grouping for any missing GL via the Manage Cost element Group app and do not need to update the allocation structure. Updating the predelivered cost element groups should be sufficient to avoid any error.

# Overview Table

This scope item consists of several process steps, reports, and items 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 | App/Transaction | Expected Results |
| [Execute Settlement for Service Order](#unique_11) [page ] 8 | Cost Accountant - Overhead | Run Settlement - Orders - Actual (Collective) (KO8GH) | Costs are settled to cost center (overhead cost orders only). |
| [Close Completed Service Order](#unique_12) [page ] 10 | Cost Accountant - Overhead | Set Status to Closed - Orders - Collective (CO99) | The completed service orders are closed. |
| [Order Actuals](#unique_13)  [page ] 11 | Cost Accountant - Production | Analyze Order (KKBC\_ORD) | Actual figures for orders can be displayed in the reporting with different dimensions for navigation. |

# Test Procedures

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

## Execute Settlement for Service Order

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 execute the settlement. For service orders with maintenance order type, the service order is settled to the responsible cost center.

For the assignment design flow of each order type to its respective settlement/allocation, see the [Order Type to Settlement Profile Mapping](#unique_9) [page ] 5 section.

Procedure

Access the transaction choosing one of the following navigation options:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 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 Run Settlement - Orders - Actual (Collective) (KO8GH). | The Actual Settlement: Orders view displays. |  |
| 3 | Enter Actual Data | Make the following entries:  Selection variant: <Service Order> for example, YBLSV\_SRV  Settlement period: <Settlement period> for example, <Current month>.  Fiscal Year: <Current year>  Processing Type: <1 Automatic>  Test Run: <Deselected>  Detail list: <Selected>  If the selection variant is not created, create selection variant YBLSV\_SRV by selecting order type YBA1,YBA2, YBA3, and Order number by using Create Selection Variant to the right of the selection variant field. To create a selection, follow the steps below:  1. Choose Selection Variant.  2. Enter variant name, for example YBLSV\_SRV and choose Create.  3. On the Edit Variant for Order Type view, use the multiple Selection button and enter YBA1, YBA2, YBA3 and select Copy (F8). You can also enter the order number in the Order field.  4. Choose Attributes (F6) and Enter Description of your choice.  5. Choose Save (Ctrl+S) and Back (F3).  Note You can also edit the selection variant to add more orders. |  |  |
| 4 | Execute | Choose Execute. |  |  |

## Close Completed Service Order

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 close the completed service orders.

Procedure

Access the transaction choosing one of the following navigation options:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 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 Set Status to Closed - Orders - Collective (CO99). | The Collective Processing: Set Status "Closed" view displays |  |
| 3 | Enter Actual Data | Make the following entries:  Plant: 1010  Order Type: <Order type> for example, YBA1, YBA2, or YBA3.  Test Run: <Deselected> |  |  |
| 4 | Execute | Choose Execute. |  |  |

## Order Actuals

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

This allows for viewing service orders.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log on | Log onto the SAP Fiori launchpad as a Cost Accountant - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Analyze Order (KKBC\_ORD). | The Analyze Order: Target/Actual - Comparison view displays. |  |
| 3 | Selection Criteria | Make the following entries:  Add Report Object: Order  Time Frame:  Cumulated: Select  Report Parameters:  Target Cost Version: 0 |  |  |
| 4 | Choose | Choose Execute. |  |  |

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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