|  |  |
| --- | --- |
|  |  |
| Test ScriptSAP S/4HANA - 17-09-20 | public |
| Period-End Closing - Plant (BEI\_DE) |

Table of Contents

[1 Purpose 3](#_Toc51267823)

[2 Prerequisites 4](#_Toc51267824)

[2.1 System Access 4](#_Toc51267825)

[2.2 Roles 4](#_Toc51267826)

[2.3 Master Data, Organizational Data, and Other Data 5](#_Toc51267827)

[2.4 Business Conditions 5](#_Toc51267828)

[2.5 Preliminary Steps 6](#_Toc51267829)

[2.5.1 User Settings - Set Controlling Area 6](#_Toc51267830)

[3 Overview Table 7](#_Toc51267831)

[4 Test Procedures 9](#_Toc51267832)

[4.1 Run Assessment Cycle for Quality Costs 9](#_Toc51267833)

[4.2 Record Purchase Order Related Accounts Payable Transactions 11](#_Toc51267834)

[4.3 Release Blocked Invoices 12](#_Toc51267835)

[4.4 Ensure Goods Movements are Complete - Postprocess Faulty Goods Movements 13](#_Toc51267836)

[4.5 Open New MM Period 15](#_Toc51267837)

[4.6 CO-PC Period-End Closing 16](#_Toc51267838)

[4.6.1 Post Actual Overhead Calculations for Production/Process Orders 16](#_Toc51267839)

[4.6.2 Preliminary Settlement for Co-Product 18](#_Toc51267840)

[4.6.3 Calculate Work in Process 20](#_Toc51267841)

[4.6.4 Production, Process Order, and Product Cost Collector Variance Calculation 21](#_Toc51267842)

[4.6.5 Settle Variances 23](#_Toc51267843)

[4.7 Analyze Variances 24](#_Toc51267844)

[4.8 Analyze Cost by Work/Center Operation 26](#_Toc51267845)

[4.9 Close Completed Production Orders 27](#_Toc51267846)

[4.10 Production Cost Analysis 28](#_Toc51267847)

# Purpose

This scope item helps you to ensure that the costs incurred during production activities (such as materials manufactured in-house) are assigned to those activities. The costs are allocated to the corresponding products in profitability analysis.

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 - Overhead | SAP\_BR\_OVERHEAD\_ACCOUNTANT | Overhead Accounting | SAP\_BR\_OVERHEAD\_ACCOUNTANT |  |
| Cost Accountant - Production | SAP\_BR\_PRODN\_ACCOUNTANT | Product Costing | SAP\_BR\_PRODN\_ACCOUNTANT |  |
| Production Supervisor - Discrete Manufacturing | SAP\_BR\_PRODN\_SUPERVISOR\_DISC | Discrete Manufacturing Execution Management | SAP\_BR\_PRODN\_SUPERVISOR\_DISC |  |
| Production Supervisor - Process Manufacturing | SAP\_BR\_PRODN\_SUPERVISOR\_PROC | Process Manufacturing Execution Management | SAP\_BR\_PRODN\_SUPERVISOR\_PROC |  |
| Accounts Payable Accountant - Procurement | SAP\_BR\_AP\_ACCOUNTANT\_PROCUREMT |  |  |  |
| Master Data Specialist - Product Data | SAP\_BR\_PRODMASTER\_SPECIALIST | Product | SAP\_BR\_PRODMASTER\_SPECIALIST |  |

## 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 |
| Controlling Area | A000 |  |  |
| Company Code | 1010 |  |  |
| Plant | 1010 |  |  |
| Assessment Cycle | OA1010 |  |  |

Table 1: Master Data Script Reference

|  |  |
| --- | --- |
| Master Data ID | Description |
| 3KW | Cost Rates |

## Business Conditions

Note If you have a multi-currency client setup, refer [https://launchpad.support.sap.com/#/notes/](https://launchpad.support.sap.com/#/notes/https://launchpad.support.sap.com/#/notes/) 2894297 - Handling of Currencies in Controlling in SAP S/4HANA for additional information on this topic.

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| J45 - Procurement of Direct Materials | Purchase order invoices must be posted.Blocked purchase order invoices must be released.All goods shipped in previous periods are posted.All goods movements are posted. |
| BJ5 - Make-to-Stock Production - Discrete Manufacturing | All production confirmations are posted. |
| 3L7 - Make-to-Stock with Co- and By-Products - Process Manufacturing |  |
| 2UG - Make-to-Stock - Process Manufacturing Based on Production Order |  |
| BJH - Make-to-Stock Production - Repetitive Manufacturing |  |

## 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. |  |

# 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 |
| [Run Assessment Cycle for Quality Costs](#unique_9) [page ] 9 | Cost Accountant - Overhead | Manage Allocations (F3338) | Quality costs are assessed to the manufacturing cost center. |
| [Record Purchase Order Related Accounts Payable Transactions](#unique_10) [page ] 11 |  | Create Supplier Invoice - Advanced (MIRO) | Order related accounts payable transactions are recorded and posted. |
| [Release Blocked Invoices](#unique_11) [page ] 12 | Accounts Payable Accountant - Procurement | Release Blocked Invoices (MRBR) | Blocked invoices are reviewed and released. |
| [Ensure Goods Movements are Complete - Postprocess Faulty Goods Movements](#unique_12) [page ] 13 | Production Supervisor - Process ManufacturingUse Production Supervisor - Discrete Manufacturing in case production orders are in use.Use Production Supervisor - Process Manufacturing in case process orders are in use.Use Production Supervisor - Repetitive Manufacturing in case repetitive manufacturing is in use. | Reprocess Goods Movements (COGI) | Goods Movements with errors are reprocessed. |
| [Open New MM Period](#unique_13) [page ] 15 | Master Data Specialist - Product Data | Close Periods (MMPV) | MM values are closed for previous month and new MM period is opened. |
| [Post Actual Overhead Calculations for Production/Process Orders](#unique_14) [page ] 16 | Cost Accountant - Production | Run Overhead Calculation - Actual (CO43) | The actual overheads to production orders, process orders and product cost collectors are posted |
| [Preliminary Settlement for Co-Product](#unique_15)  [page ] 18 | Cost Accountant - Production | Presettle Co-Products or Rework - Collective (CO8A) | The actual costs for the production process are collected on the order header. |
| [Calculate Work in Process](#unique_16) [page ] 20 | Cost Accountant - Production | Calculate Work in Process - Collective (KKAO) | Work in progress is calculated and displayed. |
| [Production, Process Order, and Product Cost Collector Variance Calculation](#unique_17) [page ] 21 | Cost Accountant - Production | Run Variance Calculation - By Period (KKS5) | Variances are calculated for the period for settlement later in the process. |
| [Settle Variances](#unique_18) [page ] 23 | Cost Accountant - Production | Settle Orders - Optimized (CO88H) | Variances are posted to zero orders and move variances to CO-PA. PP orders total to WIP, calculated earlier. |
| [Analyze Variances](#unique_19) [page ] 24 | Cost Accountant - Production | Analyze Summarization Hierarchy (KKBC\_HOE\_H) | The Analyze Summarization Object: Plan/Actual Comparison screen is displayed. |
| [Analyze Cost by Work/Center Operation](#unique_20) [page ] 26 | Cost Accountant - Production | Analyze Costs by Work Center/Operation (F3331) | The application retrieves all planned and actual debits in table and chart form |
| [Close Completed Production Orders](#unique_21) [page ] 27 | Production Supervisor - Discrete Manufacturing | Change Production Order (CO02) | Closed production orders are marked in the system. |
| [Production Cost Analysis](#unique_22) [page ] 28 | Cost Accountant - Production | Production Cost Analysis (F1780) | Production/process order target vs actual cost is analyzed and the Production Cost Analysis screen is displayed. |

# Test Procedures

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

## Run Assessment Cycle for Quality Costs

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

Quality costs are collected on cost center 10101401. They are to be assessed to the manufacturing cost centers.

Prerequisites

Actual assessment cycle OA1010 to be defined with sender cost center 10101401. The assessment is based on fixed percentages which are posted to cost centers 10101301 and 10101302.

The same transaction can be used to adopt fixed percentages to customer-specific requirements. The percentages delivered with SAP Best Practices are examples only.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test 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 | Access the SAP Fiori App | Open Manage Allocations (F3338). | The Allocation Cycles view displays. |  |
| 3 | Input Initial Screen | Make the following entries and choose the Go button:Allocation Context: Cost CentersAllocation Type: Overhead AllocationLedger: 0LCompany Code: 1010Allocation Cycle: OA1010 | The assessment is done. |  |
| 4 | Select Allocation Cycle | Select the allocation cycle row and choose the Run button. | The Run Allocations screen displays. |  |
| 5 | Test Run | Select the allocation cycle row and choose the Test Run button. | The Run Allocation(s) - Test Run screen displays.Note To test the allocation, choose the Test Run button.To execute the allocation, choose the Run button. |  |
| 6 | Input Values | Make the following entries and choose OK.Run Name: <enter a name for the test runFiscal Period From: <current period>Fiscal Period To: <curent period>On the next view, select the Cycle/Group and Test Run button.To review the results, choose the Display Completed Runs button and choose Go. You can further drill into the report to view specific senders and receivers, and values. |  |  |

Tip To reverse an assessment posting, use the app Run Allocations (F3548) and choose Go. Select the allocation cycle job and choose Reverse .

## Record Purchase Order Related Accounts Payable Transactions

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 record purchase order-related accounts payable transactions.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as an Accounts Payable Accountant - Procurement. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Supplier Invoice - Advanced (MIRO) and select the company code. | The Enter Company Code screen displays. |  |
| 3 | Enter Data | Company Code: 1010Choose Continue. | The Enter Incoming Invoice: Company Code XXXX screen appears. |  |
| 4 | Enter Transaction | From the Transaction: dropdown menu, select Invoice. |  |  |
| 5 | Enter Data in Basic Data Tab | Make the following entries:Invoice date: <Enter the current date>Reference: <any text or number, for example PO number>Posting Date: <Date>Amount:<Amount> EURCalculate Tax: SelectedPO Reference: Purchase Order/Scheduling AgreementNote You can also search for the Purchase Order using F4, for example, use Supplier 10300001 and then choose Execute.Select the Purchase Order and choose the Copy button.Layout: PO-Jurisdiction Code |  |  |
| 6 | Choose and Post | Review and deactivate any line items, make any amount/quantity changes and choose Post. | Vendor Liability is posted with GR/IR Account, PPV and/or small difference. |  |

## Release Blocked Invoices

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

This activity reviews and releases blocked invoices.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as an Accounts Payable Accountant - Procurement. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Release Blocked Invoices (MRBR). | The Release Blocked Invoices screen displays. |  |
| 3 | Execute | Select the Company Code (if not entered in prompt), for example, 1010 and choose Execute. | The list of blocked invoices is displayed in a table. |  |
| 4 | Release Blocked Invoices | To select the invoices from the list to be released, select the row and choose Release Invoice. | The invoices are released.If invoices are not authorized, resolve any issues and re-run this process. |  |
| 5 | Save | Choose Save Changes. | Changes are saved. |  |

## Ensure Goods Movements are Complete - Postprocess Faulty Goods Movements

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 ensure that any Goods Movements with errors are reprocessed.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as a Production Supervisor - Process Manufacturing.Use Production Supervisor - Discrete Manufacturing in case production orders are in use.Use Production Supervisor - Process Manufacturing in case process orders are in use.Use Production Supervisor - Repetitive Manufacturing in case repetitive manufacturing is in use. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Reprocess Goods Movements (COGI). | The Postprocessing of Error Records from Automatic Goods Movements screen displays. |  |
| 3 | Enter Selection Criteria | Make the following entry:Plant: 1010 |  |  |
| 4 | Execute Selection | Choose the Execute button. | Summarized Records report shows items that must be reviewed and processed. Reprocess any items that are displayed in the list.Reprocess all goods movement depending upon the source of error.Once all of the goods movements are reprocessed, you see the message No record was found for selection. |  |

## Open New MM Period

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

Stock and valuation data are managed by period. For values and goods movement to be posted to the correct period, the period must be set whenever a new period starts. This activity must be run after all users have logged off. It cannot be run while anyone is handling a material. If it has not been run, no materials movements can be done in the new period.

Prerequisites

Note The previous three steps must be completed before you can execute this step.

Note Perform this activity only if the MM period in the system is not set to the current period. To check the current period, follow the steps as described in the procedure below replacing Check and Close Period with Check period only.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Close Periods (MMPV).Note If you cannot find the Close Periods tile, choose Tile catalog from the dropdown menu on the top-right corner of Fiori home page, navigate to the Close Periods tile under Master Data - Administration group and add it to My Home group. | The Close Period for Material Master Records screen displays. |  |
| 3 | Enter Process Data | Make the following entries:From Company Code: 1010To Company Code: 1010Period: Period to OpenFiscal Year: Enter the current fiscal yearCheck and Close Period: Selected |  |  |
| 4 | Execute | Choose the Execute button. | MM Values are closed for the previous month and new MM period is open. |  |

## CO-PC Period-End Closing

This section is not relevant if you have activated the non-standard scope item 3F0: Event-Based Production Cost Posting. If 3F0 is activated, then you can skip this section for order types YBM1, YBM2, YBM3 and YBM4. 3F0 is valid for make-to-stock and make-to-order production orders.

### Post Actual Overhead Calculations for Production/Process Orders

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 post actual overheads to production orders, process orders, and product cost collectors.

Prerequisites

Note SAP predelivered costing sheet comes with the overhead base and associated cost elementgroup. Overhead base key Y001-Material is linked to cost element group 1200\_CE, and overhead base Y002-Production is linked to cost element group 4500\_CE. You can modify this cost element group to include/exclude any GL account from base. Also, note that it is now possible to update pre-delivered costing sheet and create own costing sheet via SSCUI 102922.

In this IMG activity, you define percentage overhead rates. Percentage overhead rates are recommended if, for example, you want to calculate quantity-independent overhead on costs for particular cost elements posted on a production order or product cost collector. Examples are overheads on material consumption and labor. Quantity-based overhead rates on the other hand, are calculated for each unit of measure of a cost element.

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Run Overhead Calculation - Actual (CO43). | The Actual Overhead Calculation: Production/Process Orders screen displays. |  |
| 3 | Enter Selection Criteria | Make the following entries:Plant: 1010With Production Orders: SelectWith Process Orders: SelectWith Product Cost Collectors: SelectWith QM Orders: SelectParametersPeriod: Enter the current periodFiscal Year: Enter the current yearProcessing OptionsTest Run: DeselectDetail Lists: SelectDialog Display: Deselect |  |  |
| 4 | Execute Actual Overhead Calculation | Choose the Execute button. | Actual overheads calculation for production orders is posted. |  |

### Preliminary Settlement for Co-Product

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 calculate preliminary settlement for co-products. If co-products are produced in order, the actual costs for the production process are collected on the order header. At the end of the period, these costs can be distributed (presettled) to the order items according to equivalences.

Note This step is relevant if you are using scope 3L7: Make-to-Stock with Co- and By-Products - Process Manufacturing.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Cost Accountant - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Presettle Co-Products or Rework - Collective (CO8A). | The Preliminary Settlement for Co-Products, Rework view displays. |  |
| 3 | Enter Selection Parameters | Make the following entries:Plant: 1010With Production Orders: DeselectWith Process Orders: SelectIn the Parameters section, make the following entries:Settlement Period: <period>, for example, current periodFiscal Year: <fiscal year>, for example, current year>In the Processing Options section, make the following entries:Test Run: DeselectDetail List: SelectCheck Trans Data: Deselect |  |  |
| 4 | Execute Preliminary Settlement for Co-Product Calculation | Choose the Execute button. | Co-Product calculations are saved for process orders. |  |

### Calculate Work in Process

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 calculate the work in process. This step is executed in the same manner for partially delivered production orders as for (totally) delivered production orders

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Calculate Work in Process - Collective (KKAO). | The Calculate Work in Process: Collective Processing screen displays. |  |
| 3 | Enter Selection Parameters | Make the following entries:Plant: 1010With Production Orders:SelectWith Product Cost Collectors: DeselectWith Process Orders: SelectParameters:WIP to Period: <period>, for example, current periodFiscal Year: <fiscal year>, for example, current yearRA Version: 0Processing Options:Test Run: DeselectLog Information Messages: DeselectOutput Options:Output Object List: SelectDisplay Orders with Errors: SelectHide Orders for Which WIP = 0: SelectDisplayed Currency:Comp. Code Cur.Layout: <choose a layout>SummaryIncluding Combined Orders: Select |  |  |
| 4 | Execute Work in Process Calculation | Choose the Execute button. | Work in process calculations are saved for production orders. |  |

### Production, Process Order, and Product Cost Collector Variance Calculation

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 calculate production and process order variances.

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Run Variance Calculation - By Period (KKS5). | The Variance Calculation: Initial Screen displays. |  |
| 3 | Set Controlling Area | If the Set Controlling Area dialog box appears, enter Controlling Area A000 and press Enter. |  |  |
| 4 | Enter Selection Parameters | Make the following entries:Plant: 1010With Production Orders: SelectWith Product Cost Collectors: SelectWith Process Orders: SelectParameters:Period: <Enter the current period>Fiscal Year: <Enter the current year>All Target Cost Versions: SelectProcessing Options:Test Run: DeselectDetail list: Select |  |  |
| 5 | Execute Variance Calculation | Choose the Execute button. | Variances are calculated for the period for settlement later in the process. |  |

### Settle Variances

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 settle the production variances to Financial Accounting and Profitability Analysis.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad using a Cost Accountant - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Settle Orders - Optimized (CO88H). | The Actual Settlement: Production/Process Orders screen displays. |  |
| 3 | Enter Selection Parameters | Make the following entries:Plant: 1010With Production Orders: SelectWith Process Orders: SelectWith Product Cost Collectors: SelectWith QM Orders: SelectWith Order for Projects/Networks: DeselectWith Orders for Cost Objects: DeselectParametersSettlement Period: <Enter the current period>Fiscal Year: <Enter the current year>Processing type: AutomaticProcessing OptionsTest Run: DeselectDetail List: SelectCheck Trans. Data: Deselect |  |  |
| 4 | Execute Settlement Variance for Production Orders | Choose the Execute button. | Variances are posted to zero orders and move variances to CO-PA. PP orders total to WIP(work in process), calculated earlier. |  |

## Analyze Variances

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

Production Orders and Process Orders are displayed. (For more information please refer to [https://launchpad.support.sap.com/#/notes/](https://launchpad.support.sap.com/#/notes/https://launchpad.support.sap.com/#/notes/) 2661581 - Production Cost Analysis and Analyze Costs by Work Center/Operation (S/4 HANA On-Premise 1809)

Prerequisite

Data collection for summarization hierarchy is not required in SAP S/4HANA.

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Analyze Summarization Hierarchy (KKBC\_HOE\_H). | The Analyze Summarization Object: Plan/Actual Comparison screen displays. |  |
| 3 | Enter Selection Parameters | Make the following entries and choose Execute:Report ObjectHierarchy: YBMF0001Subhierarchy: 10101010YBM1Time FrameCumulated: DeselectLimited PeriodFrom Period: <Enter the current period>To Period: <Enter the current period>Report ParametersPlan Version: 0 |  |  |

## Analyze Cost by Work/Center Operation

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. |

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2. | Access the SAP Fiori app | Open Analyze Costs by Work Center/Operation (F3331). | The Analyze Cost by Work Center/Operation screen displays. |  |
| 3. | Enter Data and Execute | Make the following entries and choose Go:Fiscal Period From: 007/2020, for exampleFiscal Period To: 007/2020, for examplePlan Category: Manufacturing Order Standard CostLedger: 0LCompany Code: 1010Currency: EUR | The application retrieves all planned and actual debits in table and chart form. |  |

## Close Completed Production Orders

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 close the completed production orders. This step is relevant only when production orders are used.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Production Supervisor - Discrete Manufacturing. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Change Production Order (CO02). | The Production Order Change: Initial Screen displays. |  |
| 3 | Enter the Order Number | Make the following entry:Order: <Order Number> and press Enter. | The order must have the status Released (REL) or Technically completed (TECO). The order balance must be 0. There must not be any open purchase requisitions, purchase orders, or commitments on the order. Confirmations are no longer possible. |  |
| 4 | Close the Production Order | Choose More > Functions > Restrict Processing > Close .Note If the correct status is already set, choose Save. | Closed production orders are marked in the system, so that no more postings can be done. |  |
| 5 | Mark Deletion Flag | Choose More > Functions > Restrict Processing > > Deletion Flag Set .Note If the correct status is already set, choose Save. |  |  |

## Production Cost Analysis

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 get the comparison between Order Actual vs Plan vs Order Standard Cost vs Target Cost.

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 - Production. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Production Cost Analysis (F1780). | The Production Cost Analysis screen displays. |  |
| 3 | Enter Selection Parameters | Make the following entries and Choose Go:* Plant: 1010
* Material: <Leave the field blank or select a material from an existing production order>
* Plan Category: <Choose the plan category>
* Order Status: <Choose the order status>
* Period From :<Enter the period>
* Period to:<Enter the period>
 |  |  |
| 4 | Select Order Details | Select Order to display details.To analyze product cost collectors, you can use the Analyze Product Cost Collectors app. |  |  |

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. |

|  |
| --- |
|  |
| www.sap.com/contactsap |
| © 2020 SAP SE or an SAP affiliate company. All rights reserved.No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company. The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty. SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See [www.sap.com/copyright](http://www.sap.com/copyright) for additional trademark information and notices. |

