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| Test Script  SAP S/4HANA - 17-09-20 | public |
| Asset Under Construction - Group Ledger IFRS (1GF\_DE) |

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# Purpose

"Assets under Construction (AuC) are a special form of tangible assets. They are usually displayed as a separate balance sheet item, requiring separate account determination and their own asset classes. During the construction phase of an asset, all actual postings are assigned to the AuC. Once the asset is completed, a transfer is made to the final fixed asset. Ledger-specific transactions such as Settlement Distribution Rule may influence the settlement result in different accounting principles.

This scope item is for IFRS.

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 |
| Asset Accountant | SAP\_BR\_AA\_ACCOUNTANT | Fixed Assets | SAP\_BR\_AA\_ACCOUNTANT |  |
| General Ledger Accountant | SAP\_BR\_GL\_ACCOUNTANT | General Ledger | SAP\_BR\_GL\_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 |
| Asset Class for Asset under Construction | 4000 |  |  |
| Asset Class for final settlement | \* | all classes, except 4000, 4001 |  |
| Supplier | \* | Domestic supplier | When no vendor is available in your system, create a domestic supplier. A detailed description to create such a vendor master record could be found in the Master Data Procedure description Create Supplier Master (BNE) |
| Cost Center | 10101301 | Manufacturing – 1 | You can also use another Cost Center, but you must ensure that you use a consistent combination of Cost Center and Profit Center (see table Overview of assignments below). In addition, you must use the same assignment of Cost Center / Profit Center for the asset and the investment order. |
| Company Code | 1010 |  |  |
| Chart of Depreciation | 1010 |  |  |

Overview of assignments: Cost Centers, Profit Centers, Functional Areas, Segments:

|  |  |  |  |
| --- | --- | --- | --- |
| Cost Center | Profit Center | Functional Area | Segment |
| 10101101 | YB600 | YB40 | 1000\_C |
| 10101201 | YB700 | YB20 | 1000\_C |
| 10101202 | YB700 | YB20 | 1000\_C |
| 10101301 | YB110 | YB20 | 1000\_A |
| 10101302 | YB111 | YB20 | 1000\_B |
| 10101321 | YB111 | YB20 | 1000\_B |
| 10101401 | YB600 | YB40 | 1000\_C |
| 10101501 | YB600 | YB50 | 1000\_C |
| 10101601 | YB600 | YB35 | 1000\_C |
| 10101602 | YB600 | YB30 | 1000\_C |
| 10101701 | YB600 | YB40 | 1000\_C |
| 10101750 | YB900 | YB40 | 1000\_C |
| 10101751 | YB600 | YB40 | 1000\_C |
| 10101752 | YB600 | YB40 | 1000\_C |
| 10101753 | YB600 | YB40 | 1000\_C |
| 10101801 | YB600 | YB40 | 1000\_C |
| 10101901 | YB600 | YB30 | 1000\_C |
| 10101902 | YB101 | YB25 | 1000\_A |
| 10101903 | YB102 | YB25 | 1000\_B |
| 10101904 | YB103 | YB25 | 1000\_C |

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 |
| BND | Create Customer Master |
| BNE | Create Supplier Master |
| BNI | Create Asset |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Items | Business Condition |
| BNI - Create Asset | Create two asset master records (one in Asset Under Construction asset class and one in Machinery asset class). To create the assets, use the Create Asset master data script using the data described in this test script. |
| BFH - Asset Under Construction | You must complete the test procedures in the Asset Acquisition for Constructed Assets (External Procurement) section. Use the asset master record created under the asset class Assets Under Construction for this test script.  If you cannot use the asset master record previously created in the BFH test script, create a new asset under construction and post costs to it using the Post Acquisition (Integrated AP) Without Purchase Order app in the Asset Acquisition for Constructed Assets (External Procurement) section of the Asset Under Construction (BFH) test script. |

## Preliminary Steps

### Validate Asset Accounting System Readiness

#### Confirm Takeover Date Information

Purpose

In this activity, you create a legacy data transfer segment to be able to transfer fixed assets on a specific transfer date. Apart from the transfer date, you also define additional parameters for the legacy data transfer.

Note After the initial content activation is finalized, you must define a take-over date. This defines the current fiscal year and last closed fiscal year in Asset Accounting. The takeover date is critical for system processing, as it identifies the point in time that old asset values are loaded. For Cloud systems, this is usually the prior year-end day. For AuC Asset Value Date, the value is automatically set to the first day of the new fiscal year (1/1/YYYY+1) instead of the transfer date (12/31/YYYY).

Caution For example, if you are in fiscal year 2018, this implies the loading of old legacy assets is as of the year end 2017.

Caution If Legacy Data Transfer is defined in General Ledger, the Legacy Data Transfer Date in Asset Accounting cannot be set as an earlier date.

Procedure

1. Log on to the SAP Fiori launchpad as an Asset Accountant.
2. Open Make Company Code Settings - Asset Accounting-Specific (FAA\_CMP).
3. Select your company code on the left side of the screen and choose Select Entry.
4. Choose the General Settings tab.
5. Check the status for your company. The General Settings tab shows the Company Code status (should be set as For Testing).
6. On the Legacy Data Transfer tab, check or change the following entries (if required, to create a new legacy transfer segment, choose Create legacy transfer segment):

|  |  |  |
| --- | --- | --- |
| Field | Value | Comments |
| Transfer Date | <last day of prior fiscal year end> | This is usually a year-end date for a prior year. If you are instructed to use a mid-year date, use a month-end date. The date should always move forward (do not change it backward).  The current and closed fiscal year are derived based on Transfer Date. To check the current and closed fiscal year, double-click the ledger on the left side of the screen. The result is displayed on the right side of the screen on the Ledger Settings tab. If the Legacy Data Transfer Segment is not required, the current fiscal year can be manually entered and the closed fiscal year is derived. Without Legacy data Transfer Segment defined, no legacy asset master data can be created. |
| Legacy Data Transfer Status | Ongoing (Other Postings Allowed) | Possible settings:  In Preparation: The system allows incomplete customizing settings for the legacy data transfer (for example, the document type for posting of the legacy data transfer can be missing).  If the status Legacy Data Transfer Segment is set to In Preparation, no postings are allowed.  Ongoing: Only legacy data transfer postings are permitted (for example, other types of postings, acquisition, retirements are not permitted).  Ongoing (Other Postings Allowed): Both legacy data transfer postings and other postings are permitted. This status makes sense when you perform further legacy data transfers in a company code that is already productive.  Completed: The legacy data transfer is completed. Legacy Data Transfer postings are not allowed, and you are not allowed to create legacy assets. The Completed status is not visible until after you complete the segment. |
| Document Type | AA – Asset Posting |  |

1. After the legacy data transfer is completed, set the Legacy Data Transfer Status to Completed.
2. Before you make postings in Asset Accounting in your P-system, repeat the above steps to confirm values for data the takeover date, the status, and the document type for entering legacy assets already done in the Q-system.

#### Confirm Run of Balance Carry Forward for Current Fiscal Year

Purpose

In this activity, you confirm that Balance Carry Forward has been run for the current fiscal year.

Note If your implementation does not use a specific ledger, disregard that ledger.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Step# | Test Step Name | Instruction | Expected Result | Pass/Fail/Comment |
| 1 | Log on | Log onto the SAP Fiori launchpad as a General Ledger Accountant. |  |  |
| 2 | Access the SAP Fiori app | Open Carry Forward Balances (F1596). | The Balance Carryforward (CXS1) screen displays. |  |
| 3 | Enter Selection Criteria | Make the following entries and choose Go:  To Fiscal Year: Current year  Caution The above FY should be the current fiscal year. Do not enter a future year unless you are closing the current year in this system. Do not enter a future year unless you understand the consequences.  Company Code: 1010  Ledger: 0L for leading ledger with local GAAP | The status of the item is displayed under the TO DO section.  If the balance carry-forward was previously executed, the item displays under the PREVIEW or DONE section (The Number 1 is displayed above the section name). |  |
| 4 | Start | Select the following three sections to determine in which section an entry is displayed. Execute the required steps according to each section:  From the TO DO section:   * Select the items and choose Carry Forward.   From DONE section:   * If the value in the Posting after Carryforward field is greater than 0, select the items and choose Rerun. * If the value is 0, select a different fiscal year or company code and start the test again. | The status of the item is displayed under the TO DO section.  If the balance carry-forward was previously executed, the item displays under the PREVIEW or DONE section (The Number 1 is displayed above the section name). |  |
| 5 | Preview | Select Refresh and choose PREVIEW. | The status of the item displays under PREVIEW. |  |
| 6 | Execute | Select the checkboxes for the items under Status PREVIEW and choose Run changes. | The status of the item displays under DONE. During this process, the profit and loss accounts are carried forward to one or more retained earnings accounts. The balances on the balance sheet accounts carry forward into the new fiscal year. |  |
| 7 | REPEAT | Repeat steps 3 to 6 for each additional ledger:   * 0L * 2L | NOTE successful completion for each ledger:  0L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

#### Create Asset Master Record for Legacy Asset

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 can create legacy assets with values. These assets may be for various testing scenarios.

Prerequisites

To take over your legacy data in asset accounting, you can only have one fiscal year opened. If you receive an error stating that more than one year is open, check that the previous fiscal year is closed in asset accounting. To do this, use the Make Company Code Settings - Asset Accounting-Specific (FAA\_CMP) app. For your company code, the previous fiscal year must be closed.

Procedure

Note Create five legacy assets with different descriptions. Ensure that the asset description begins with the word Legacy.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Step | Test Step Name | Instruction | Expected Result | Pass/Fail/Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Asset Accountant. |  |  |
| 2 | Access the SAP Fiori app | Open Create Asset Master Record - For Legacy Asset (AS91). | The Create Legacy Data screen displays. |  |
| 3 | Enter Transaction Details | Make the following entries and press Enter:  Asset Class: For example, 3200  Company Code: For example 1010 |  |  |
| 4 | Enter Transaction Details | Make the following entries:  Description: Legacy Asset xxxxxx  Capitalized On: date For example, 04/08/2016  Note This is a prior year asset.  Choose the Time- Dependent tab. |  |  |
| 5 | Enter Transaction Details | Make the following entries:  Cost Center: For example, 10101301 |  |  |
| 6 | Enter Transaction Details | Choose the Depreciation Areas tab.  Confirm Key, Life, and Start Date. | You verified those fields. |  |
| 7 | Save the Record | Choose Save (at lower right). | Make a note of the Asset # \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |

#### Transfer Open Items of AuC for Legacy Asset

Context

In this activity, you create legacy Assets Under Construction (AUC) assets with values. These assets may be used for various testing scenarios. You create five legacy AUC assets in Asset Class 4000 with different descriptions.

You first create the asset master record for the legacy asset and then transfer the open items for the legacy asset.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Step# | Test Step Name | Instruction | Expected Result | Pass/Fail/Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Asset Accountant |  |  |
| 2 | Access the SAP Fiori App | To transfer the open items for the legacy asset, open Transfer Open Items of AuC - For Legacy Asset (ABLDT\_OI).  Note This is for an AUC asset in Asset Class 4000. | The Create General Header Data for Posting dialog box displays. |  |
| 3 | Enter the Company and Legacy AUC Asset | Enter a legacy asset to be updated with values (this is an AUC asset in Asset Class 4000.  Make the following entries and choose Continue:  Company Code: For example, 1010  Asset: <asset number>  Transaction Type: 900 | Note Transaction Type 900 lets you enter open items for a legacy AUC asset in Asset Class 4000. |  |
| 4 | Enter Values for Legacy AUC Asset | Make the following entries and choose Simulate:  Transfer Date: transfer date; defaulted per data takeover date  Document Date: document date; defaulted per data takeover date  Posting Date: posting date; defaulted per data takeover date  Asset Value Date: asset value date; defaulted per data takeover date  Amount Posted: For example, 3600.00 | The Enter Asset Transaction: Legacy Data-Transfer Open Items screen is displayed.  Confirm the respective dates and amount posted.  The system displays the Posting will take place in an earlier fiscal year message. Bypass this warning.  If any errors are RED coded, these must be corrected before posting. |  |
| 5 | Post Legacy AUC Asset Transaction | Choose Post.  Choose Continue. | Make a note of the document number for each accounting principle:  LG \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  IFRS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

# Overview Table

The scope item Assets Under Construction - Parallel Ledger consists of the process steps provided 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 |
| [Define Distribution Rules for Assets under Construction (Periodic Processing)](#unique_12) [page ] 14 | Asset Accountant | Define Distribution Rules - For AuC (AIAB) | The rules for the settlement are maintained. |
| [Execute Settlement for Assets under Construction (Periodic Processing)](#unique_13) [page ] 16 | Asset Accountant | Define Distribution Rules - For AuC (AIAB) | Assets under Construction are settled according to their settlement rules. |

# Test Procedures

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

## Define Distribution Rules for Assets under Construction (Periodic Processing)

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 maintain the settlement rules for the asset under construction (AuC) created in the previous steps.

Prerequisite

You have executed all the previous steps related to Assets under Construction.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Asset Accountant. |  |  |
| 2 | Access the SAP Fiori app | Open Define Distribution Rules - For AuC (AIAB). | The Settlement AuC: Initial screen displays. |  |
| 3 | Maintain Settlement Rule | Make the following entries and choose Execute.  Company Code: 1010  Asset: <Number of asset>  Note The asset number is the asset under construction created in a prior procedure.  Layout: 1SAP |  |  |
| 4 | Enter Asset Data | Select the line items that have document numbers starting with 70.  Each ledger has separate line items. Ensure that you select all.  If the Process distribution rules dialog box appears, choose Change.  Choose Enter and complete the following values:  Cat: <FXA>Asset,  Settlement Receivers: <asset number created in previous step> in class 2000  %: <number portion of AuC to capitalize> , for example, 90 |  |  |
| 5 | Enter Cost Center Data | Enter the following values:  Cat: <CTR> Cost Center  Settlement Receivers: <Number> of Cost Center, for example, 10101301  % : <number portion of AuC APC to capitalize>, for example, 10 |  |  |
| 6 | Save Settlement Rule | Choose Back and save the settlement rule. | You maintained the rules for the settlement. The execution of the settlement is part of the periodic processing. |  |

## Execute Settlement for Assets under Construction (Periodic Processing)

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, assets under construction (AuC) are settled according to their settlement rules.

Prerequisite

Settlement rules are maintained for the AuC you want to settle.

Note Under certain conditions, you may need to capitalize an AuC before all suppliers have presented their closing invoices. This can cause a few difficulties, especially if the closing invoice can’t be posted until the fiscal year following the capitalization of the asset under construction, and down payments were already posted to the AuC.

Initially, you post the down payment normally. If you then need to capitalize the AuC at the end of the fiscal year, but before the closing invoice is received, you post reserves for the total amount of the expected invoice. You post these reserves directly to the capitalized asset (external acquisition with vendor, transaction type 100). If you plan to distribute the values from the AuC to several final assets, post the reserve to the AuC first and then capitalize it. Whichever method you use, you must reverse the down payment on the AuC, because the down payment isn’t allowed to appear in the account for down payments to fixed assets. Instead, it must appear in the account for completed assets.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as an Asset Accountant. |  |  |
| 2 | Access the SAP Fiori app. | Open Define Distribution Rules - For AuC (AIAB). | The AuC Settlement: Initial screen displays. |  |
| 3 | Enter Initial Data | Make the following entries and choose Execute:  Company Code: 1010  Asset: <Number of AuC>  Layout: 1SAP | The Settlement AuC: Line Item List screen displays. |  |
| 4 | Execute the AUC settlement | Verify that all line items are in status green (meaning that a valid settlement rule is maintained), then choose Settlement. | The AuC Settlement : Initial screen displays. |  |
| 5 | Enter Data | Make the following entries and choose Execute.  Company Code: 1010  Asset: <number of asset under construction>  Document date: <document date, for example, Month End 02/28/2020>  Asset value date: <asset value date,for example, Month End>  Posting date: <posting date,for example, Month End>  Test run: Deselected | The asset transaction is posted with the document number xxxxxxxxxx. The asset is settled to the receiver. Make note of the document numbers.  Note Before doing an actual run, we recommend that you perform a test run. |  |

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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