S/4 HANA Asset Configuration



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INTRODUCTION

Asset accounting module in SAP manages fixed assets data of an organization by way of asset master records. Asset accounting module thus acts as a sub ledger to the FI module for managing asset records.

SAP gives us the functionality in Asset module of managing depreciation and assets in parallel according to various reporting requirements i.e. Local Reporting, Parent company reporting, Tax reporting, US GAAP reporting and so on.

We must assign a chart of depreciation to each company code that is defined in Asset Accounting. SAP provides country-specific charts of depreciation with predefined depreciation areas. These charts of depreciation serve only as a reference for creating your own charts of depreciation, and are therefore not directly accessible in the SAP system. When creating a chart of depreciation, you have to copy the reference chart of depreciation.

S/4 HANA has redesigned the Asset Accounting module with the following functionality:-

- 1) Reference depreciation area is no longer needed for setting up multiple depreciation areas.
- 2) All depreciation areas now post acquisition and retirement online
- New technical clearing account is needed to balance each depreciation area
- 4) No restriction of transaction type to a particular depreciation area.

This material covers an implementation approach for new installation of S4 HANA and does not cover the migration approach from Classic Asset Accounting to New Asset Accounting.

We configured in the SAP GL configuration in S/4 HANA a company code 6600 Universal Ltd. The currency of the company code is USD. The reporting period is April to March for the Group. The parent company of Universal Ltd is located in Germany. Therefore Universal Ltd. is required to report figures in EUR. 3 currencies are configured for the company code first is USD (Local reporting), second is group currency as EUR and third is global company currency as USD.

Universal Ltd is required to report depreciation for local reporting as per the statutory reporting requirement of USA. Further it is also required to report depreciation as per the parent company located in India.

We have 2 different reporting requirements:-

- 1) Parent (Group) reporting
- 2) Local Reporting

We will configure the following depreciation areas:-

- 01 Local depreciation
- 10 Local depreciation USD
- 11 Local depreciation Global currency
- 30 Group depreciation
- 31 Group depreciation USD
- 32 Group depreciation Global currency

Let us proceed with the configuration of Asset Accounting

1 Organizational Structures

For configuration we use the following path on the SAP application screen:-

SAP Menu → Tools → Customizing →IMG → SPRO - Execute Project → & SAP Reference IMG

Configuration for all the modules will be done here. The above path will not refer henceforth; we will directly refer to the IMG node.

1.1 Copy Reference Chart of Depreciation/Depreciation areas

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Copy Reference Chart of Depreciation/Depreciation Areas

Here we define our chart of depreciation. The chart of depreciation is a list of depreciation areas arranged according to business and legal requirements. The chart of depreciation enables us to manage all rules for the valuation of assets in a particular country or region.

We assign a chart of depreciation to each company code that is defined in Asset Accounting. SAP provides country-specific charts of depreciation with predefined depreciation areas (for example, OUS for the USA). These charts of depreciation serve only as a reference for creating our own charts of depreciation, and are therefore not directly accessible in the SAP system. When creating a chart of depreciation, we have to copy the reference chart of depreciation.

Let us copy the chart of depreciation from US chart of depreciation to create new chart of depreciation.

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	Specify Description of Chart of Depreciation	-
	Copy/Delete Depreciation Areas	
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Double Click on Copy Reference Chart of Depreciation



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The chart of Depreciation is now copied from 0US to Z660.

1.2 Specify Description of Chart of Depreciation

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Copy Reference Chart of Depreciation/Depreciation Areas

Change the Description of chart of depreciation so copied.

더 Choose Activity	X	3
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Specify Description of Chart of Depreciation	-	
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Double Click Specify Description of Chart of Depreciation		
ço		
Change the description from		
Z660 Sample chart of depreciation: USA		
And update the following: -		
Z660 Universal US Chart of Depreciation		
Click on Save		

1.3 Copy/Delete Depreciation Areas

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Copy Reference Chart of Depreciation/Depreciation Areas

In this step we delete the depreciation areas which are not required.

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Double Click on Copy/Delete Depreciation Areas

And update the depreciation area

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We will delete the unwanted depreciation areas which were copied from the reference chart of depreciation.

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Since there are 3 currencies configured for company code 6600 i.e. Local currency, group currency and global currency we will need 3 depreciation areas for each reporting Assign accounting principle the way it is assigned to the ledgers. In this case local depreciation area will be assigned to ZLOC and group depreciation area will be assigned to IFRS

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Double click each depreciation area and change the short description

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Similarly others...

Further one important change we need to do is for all depreciation areas make <u>Acquisition value and Net book value as All values Allowed</u> as shown below

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Similarly update all other depreciation areas

Then save the changes.

1.4 Specify Transfer of APC Values

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow General Valuation \rightarrow Depreciation Areas \rightarrow Specify Transfer of APC Values

Here we define transfer rules for the posting values of depreciation areas. These transfer rules let us ensure that certain depreciation areas have identical asset values.

In this field, we specify the reference depreciation area that provides values to another depreciation area. The system transfers the posting amounts of any transactions that affect acquisition and production costs from this area to the dependent area. Note: Major change in S/4 HANA is no inter dependency on depreciation areas. Different depreciation areas with different reporting requirements do not have to depend on a single depreciation area any longer i.e. earlier it was depreciation area 01.

So for example in our case we have 2 different reporting requirements Local and Group reporting. Depreciation area 01 and Depreciation area 30 Group reporting will not be dependent on each other. Values will be flowing to each of the depreciation area separately. No reference depreciation area will be set for them i.e. 00 will be set.

Reference depreciation area will only be set for the depreciation areas maintaining values in foreign currencies. The prerequisite being the depreciation areas must be assigned to the same accounting principle.

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www.sapficonsultart.com Page 29 Asset Accounting S/4 HANA

You see above that the Depreciation area 30 is referencing depreciation area 01, which is the traditional set up. But we no longer want this and do not want depreciation area 30 to reference any depreciation area and hence will make it 00.

Depreciation area 10 managing values in group currency is referencing depreciation area 01, which is fine and need not be changed

Depreciation are 11 managing global currency is referencing depreciation area 10, which is fine and need not be changed

Similarly depreciation 31 is referencing depreciation area 30 and depreciation area 30 which is fine.

Depreciation area 32 (Group depreciation global currency) is wrongly referencing depreciation area 01 and must be changed to depreciation area 31 or to depreciation area 30

Accordingly let us change to following:-

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1.5 Specify Transfer of Depreciation Terms

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow General Valuation \rightarrow Depreciation Areas \rightarrow Specify Transfer of Depreciation Terms

Similarly transfer of depreciation terms follows the same rules as for APC values.

We see below that Dep. Area 30 is referencing area 01 which needs to be changed to 00 $\fill \$

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Further depreciation area 10 should reference depreciation area 01 and depreciation area 11 should reference depreciation area 10.

Depreciation area 32 should reference depreciation area 31

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SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow General Valuation \rightarrow Depreciation Areas \rightarrow Define Depreciation Areas

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1.7 Specify the Use of Parallel Currencies

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow General Valuation \rightarrow Currencies \rightarrow Specify the Use of Parallel Currencies

Since parallel currencies are used in our company code we need to assign a currency type that is suitable for the given parallel currency to depreciation areas.

The system then automatically updates the corresponding posting documents with the additional values from these depreciation areas. The depreciation areas for the parallel currencies are not allowed to post to the general ledger.

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Update the group currency type 30 for depreciation area 10 and 31 which will manage the group currency.

Update the Global company currency type 60 for depreciation area 11 and depreciation area 32

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1.8 Assign Input Tax Indicator for Non-Taxable Acquisitions

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Integration with General Ledger Accounting \rightarrow Assign Input Tax Indicator for Non-Taxable Acquisitions

In this step, we specify an input tax indicator per company code. The system then uses this indicator when we post acquisitions that are not subject to tax, but which are posted to accounts that are tax-relevant.

Assign input tax indicator I0 (Input tax 0%) Assign output tax indicator O0 (output tax 0%) to company code 6600 Universal Ltd.

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1.9 Assign Chart of Depreciation to company code

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Assign Chart of Depreciation to Company Code

One of the important steps is the assignment of chart of depreciation to the company code. Here by this step, we link the asset accounting module to the FI company code.

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Assign Chart of depreciation Z660 to company code 6600

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1.10 Specify Account Determination

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Asset Classes \rightarrow Specify Account Determination

The key of an account determination must be stored in the asset class. The account determination links an asset master record to the general ledger accounts to be posted for an accounting transaction using the asset class. Usually, we need at least the same number of account determinations as you have asset balance sheet accounts in the general ledger

Click on New Entries and update the following: -

Acct. determ.	Name for account determination		
10000	Real estate and similar rights	*	
11000	Buildings	-	
20000	Machinery and Equipment		
30000	Furniture and fixtures		
31000	Vehicles		
32000	Hardware (IT)		
40000	Down payments paid and assets under construction		
50000	Low-value assets		
60000	Leasing		
80000	Objects of art		
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1.11 Create Screen Layout Rules

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Asset Classes \rightarrow Create Screen Layout Rules

The screen layout specifies the status of the fields in the asset master record. We use the screen layout to determine if fields are required entry or optional entry fields, or if they are suppressed completely.

In this step, we create only the keys and descriptions of the screen layout controls. We define the field group rules for the screen layouts themselves in the step Master data.

We can enter a screen layout rule in one of two places: either in the part of the asset class valid in the entire client, or in the part of the asset class valid for the chart of depreciation. The screen layout rule is then valid either for all assets in the asset class, or for all assets in the asset class/chart of depreciation. We can use the standard screen layout or we can copy the standard screen layout to create new one.

We will use the standard screen layout as seen below:-

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3300	Low-value assets		
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7000	Formation expenses		
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1.12 Define Number Range Interval

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Asset Classes \rightarrow Define Number Range Interval

Number range interval is required for the main asset number for the company code. Normally we should specify internal number ranges for assets. The number range key is then assigned to each of the asset class.

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1.13 Define Asset Classes

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Asset Classes \rightarrow Define Asset Classes

The asset class is the most important criteria for structuring fixed assets from an accounting point of view. Every asset has to be assigned to exactly one asset class. The asset class is used to assign the assets (and their business transactions) to the correct general ledger accounts. Several asset classes can use the same account assignment. It is possible to make finer distinctions at the level of the asset class than at the level of the general ledger accounts. The most important tasks of the asset classes are:

Assignment of default values when creating assets.

Grouping of assets for reporting purpose

We should group together assets with the same depreciation terms into an asset class.

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Class	Short Text	Asset class description		
1000	Real estate	Real estate and similar rights		
1100	Buildings	Buildings	-	
2000	Machinery	Machinery		
3000	Fixtures & fittings	Fixtures and fittings		
3100	Vehicles	Vehicles		
3200	DP / Hardware	DP / Hardware		
4000	Assets under const.	Assets under construction		
4001	Investment measure	AuC as investment measure		

1.14 Specify Chart-of-Dep.-Dependent Screen Layout/Acct Assignment (Optional)

SAP CUSTOMIZING IMPLEMENTATION GUIDE \rightarrow Financial Accounting \rightarrow Asset Accounting \rightarrow Organizational Structures \rightarrow Asset Classes \rightarrow Specify Chart-of-Dep.-Dependent Screen Layout/Acct Assignment

Generally, the control specifications (the screen layout and the account determination) for the asset class apply throughout the client, that is, for all charts of depreciation. It is therefore sufficient to make control specifications once per asset class.

We only need to carry out this step, if, contrary to the usual case, we want these control specifications to be country-specific (that is, different depending on the chart of depreciation). The system then uses the entries we make here depending on the chart of depreciation in the given company code. The system then ignores the control specifications in the asset class that are independent of the chart of depreciation.

Normally this is not required.

We do not do any configuration here.