

New Fixed Asset Accounting in SAP® S/4HANA

- Describes SAP Fixed Asset
 Accounting functionality in SAP
 S/4HANA with SAP Fiori examples
- Explores the complete lifecycle of an asset in SAP
- Identifies differences between classic Fixed Asset Accounting and the new SAP S/4HANA Fixed Asset Accounting
- Examines how Fixed Asset Accounting is integrated with other SAP modules

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2 Asset master data

Using SAP Asset Accounting correctly starts with creating asset master data correctly. Although this sounds very simple, in reality it is quite a complex task. This is because Asset Accounting must fulfil all kinds of different requirements simultaneously.

Requirements can be:

- ▶ Reporting: It must be possible to report according to accounting principles such as IFRS, local GAAP, tax, and group reporting. This must all be possible simultaneously.
- ▶ Type of assets: A distinction must be made between different types of assets—low-value assets, leased assets, machinery, buildings, etc. Furthermore, reporting should be possible for each type of asset.
- ▶ Depreciation: Several methods for calculating depreciation may be required. The depreciation method depends on the accounting principles applied: for example, straight-line depreciation, declining balance, percentage of useful life, etc.
- ▶ Posting of depreciation: Depreciation must be posted according to the applicable accounting principles using the correct general ledger accounts and calculation of the amounts.
- ▶ Integration with other SAP modules: Asset Accounting can be integrated in other SAP modules, such as Project System (PS), Investment Management (IM), Internal Orders (IO), Plant Maintenance (PM), and Cost Accounting (CO).
- ► To make data migration as simple as possible.

There can be many more requirements that need to be taken into consideration when setting up Asset Accounting.

Therefore, before setting up asset master data, it is important to understand how you can control all your requirements and what **tools** enable you to do so. This starts with familiarizing yourself with the SAP terminology.

In this chapter, we will discuss everything you need to understand when creating and maintaining asset master data.

2.1 Organizational structure

The organizational structure in the SAP system is always the foundation for a module. For Asset Accounting, there are three important organizational objects (other organizational objects are also used but they are not all specific to Asset Accounting). These three objects already existed in the very first SAP releases and they still exist in SAP S/4HANA.

The organizational objects are: chart of depreciation, depreciation areas, and asset classes. When you define the organizational objects for Asset Accounting, other organizational objects such as company code, controlling area, etc. should already have been created.

2.1.1 Chart of depreciation

The *chart of depreciation* is basically just a list of depreciation areas. A depreciation area is designed to value an asset according a specific purpose, such as group accounting or tax accounting.

SAP provides sample charts of depreciation for many countries. You can use these samples as the basis for your own chart of depreciation. Based on your own requirements, you can add or remove depreciation areas.

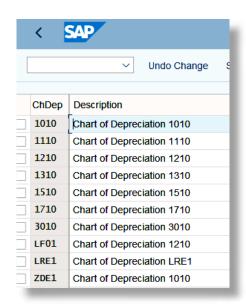


Figure 2.1: Sample charts of depreciation

You define a chart of depreciation for a country and then assign it to a company code within that country. You can use more than one chart of depreciation for each country. You can assign each company code in a country to exactly one chart of depreciation; normally that is the country chart of depreciation.

Figure 2.1 shows a couple of the sample charts of depreciation provided by SAP. This is in the IDES system; in production systems, many more country-specific charts of depreciation are available.

You maintain the charts of depreciation in Customizing via the following path: Financial Accounting • Asset Accounting • Organizational Structures • Copy Reference Chart of Depreciation/Depreciation Areas.

2.1.2 Depreciation area

As stated before, depreciation areas are designed to value an asset according to a specific purpose. For example, you can value an asset for group accounting or tax accounting purposes. However, you can also use special depreciation areas to fulfil your own reporting requirements. For example, you can use a special depreciation area for investment support (for subsidies granted by the state).

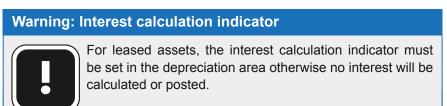
Sometimes, a depreciation area is required for technical reasons. For example, you need to have a depreciation area for each local currency.

The way the accounting principles have been defined have an impact on the definition of depreciation areas. This is explained in more detail in Section 2.2 and also in the section on asset migration, Section 8.2.

Figure 2.2 shows the depreciation areas for example chart of depreciation 1010. For each depreciation area, you can see whether it is a real area or not, the target group, accounting principle, and how the deprecation area posts in the general ledger.

- ▶ A real depreciation area means that the valuation for this area is stored in the database. If an area is not a real area, the valuation is calculated every time it is reported. In the example, depreciation area 35 is not real, so its values will be derived (calculated).
- ► The target group shows the ledgers in which the values are posted. This can be combined with the accounting principles.

- ► The accounting principle indicates which reporting rules are to be applied during reporting. In the example, accounting principle (local) GAAP posts in target group ZL and accounting principle IFRS posts in target group 0L.
- ► The G/L column indicates whether or not posting takes place in real time. In the example, depreciation areas 1 and 32 post in real time. For the other areas, the values are stored in the database but there is no posting.



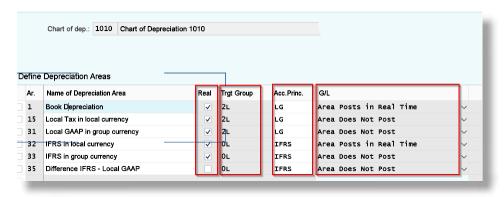


Figure 2.2: Depreciation areas

In addition to real depreciation areas, you can also have *derived depreciation areas*; the values for these areas are calculated from other depreciation areas. Figure 2.3 shows the details of the derived depreciation area 35. You can see that the values are not posted in the general ledger. The values for the area are calculated as the difference between area 33 and 1.

You maintain the depreciation areas in the chart of depreciation in Customizing via the following path: Financial Accounting • Asset Accounting • Organizational Structures • Copy Reference Chart of Depreciation/Depreciation Areas.

Area Does Not Post							
○ Area Posts in Real Time							
Area Posts Depreciation Only							
Area Posts APC Immediately, Depreciation Periodically							
Value Maintenance							
Acquisition Value:	Only Positive Va	lues or Zero Allowed					
Net Book Value:	Only Positi∨e Values or Zero Allowed						
Investment Grants:	No Values Allowed						
Revaluation:	All Values Allowed						
Ordinary Depreciat.:	Only Negative Values or Zero Allowed						
Special Depr.:	No Values Allowed						
Unplanned Depreciat.:	Only Negative Values or Zero Allowed						
Transfer of Reserves:	No Values Allowed						
Interest:	No Values Allowed						
Revaluation Ord.Dep.:	All Values Allowed						
Entries for Derived Depreciation	n Area						
Area for reporting purposes only	y						
✓ Derived Depreciation Area as R	eal Area						
Dep. Area Purp.:	Default Sett	ings					
,							
Dep. Area Sign Diviso	r Area	Dep. Area Name					
+ positive V 1	33	IFRS in group currency					
- negative \checkmark 1	1	Book Depreciation					

Figure 2.3: Derived depreciation area

You maintain details of the depreciation areas themselves in Customizing via the following path: Financial Accounting • Asset Accounting • General Valuation • Depreciation Areas.

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