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This chapter summarizes the configuration in General Ledger Accounting that needs to be performed in preparation for migration to SAP S/4HANA Finance. This chapter also explains the architecture, configuration, transactions, functionality, and business process changes in General Ledger Accounting with the introduction of SAP S/4HANA, including

-  **“Preparation and Migration for SAP General Ledger”**
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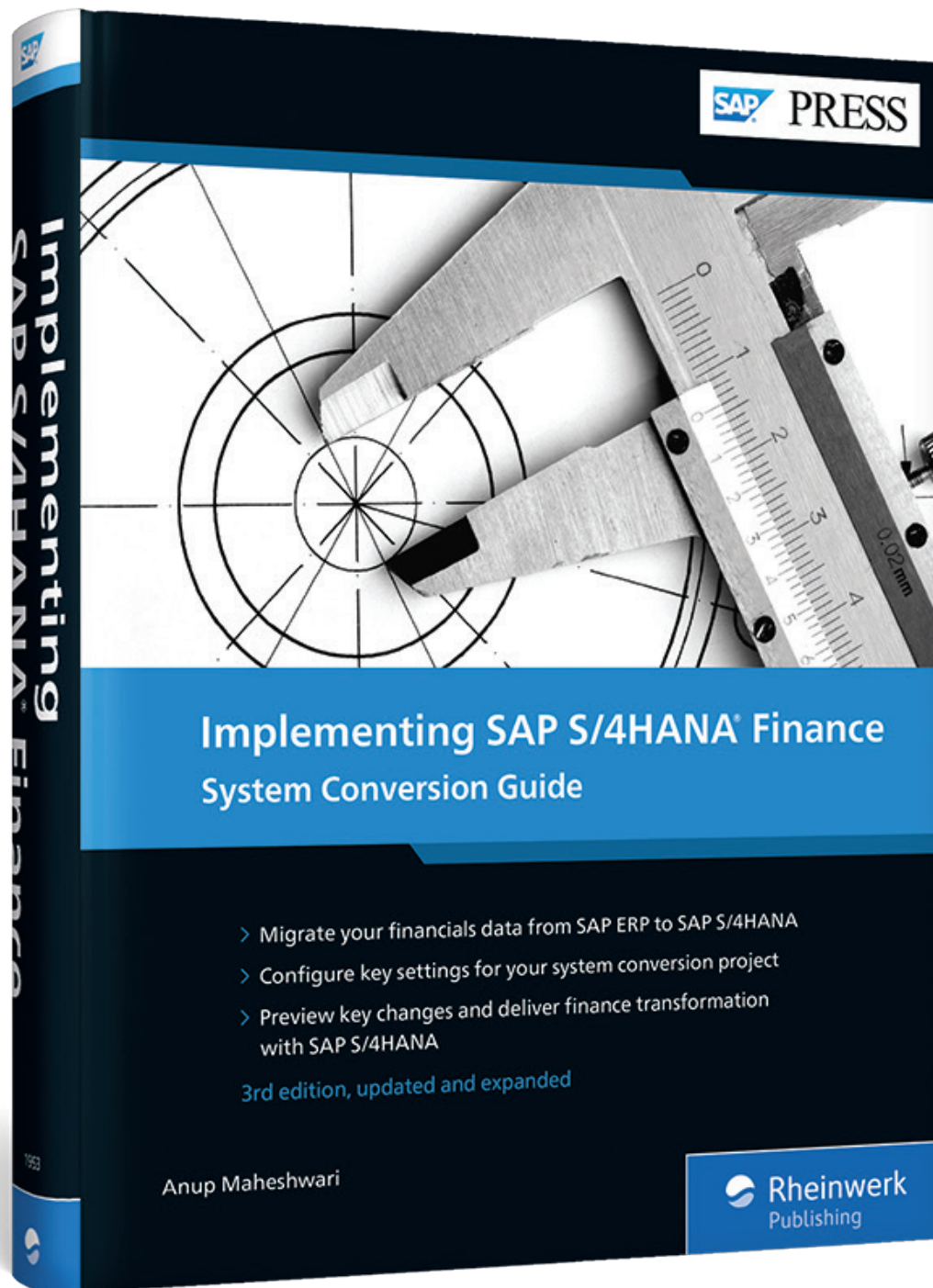
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Chapter 5

Preparation and Migration for SAP General Ledger

This chapter highlights the Customizing for the SAP General Ledger (G/L) and currencies, the integration of postings from controlling (CO), and the creation of ledger groups required for the migration to SAP S/4HANA Finance. It also discusses the configuration and sequence of steps required to migrate General Ledger Accounting in SAP S/4HANA.

Following are some of the key Customizing steps that you need to perform for migration to the new G/L as part of the overall SAP S/4HANA migration:

- Checking and adopting fiscal year variants
- Defining the currency settings
- Migrating G/L Customizing settings
- Defining settings for the journal entry ledger and currency
- Reviewing the assignment of ledger and company code to accounting principles
- Defining the ledger for the CO version
- Defining document types for postings in CO
- Defining document type mapping for CO business transactions
- Checking and defining default values for postings in CO
- Defining offsetting account determination
- Defining the source ledger for migration of balances
- Defining settings for substitution for cost of sales accounting
- Defining settings of the controlling area
- Executing a consistency check of G/L settings
- Activating the required business functions

This configuration is completed under **SAP Customizing Implementation Guide • Conversion of Accounting to SAP S/4HANA • Preparations and Migration of Customizing • Preparations and Migration of Customizing for General Ledger**, as shown in Figure 5.1.

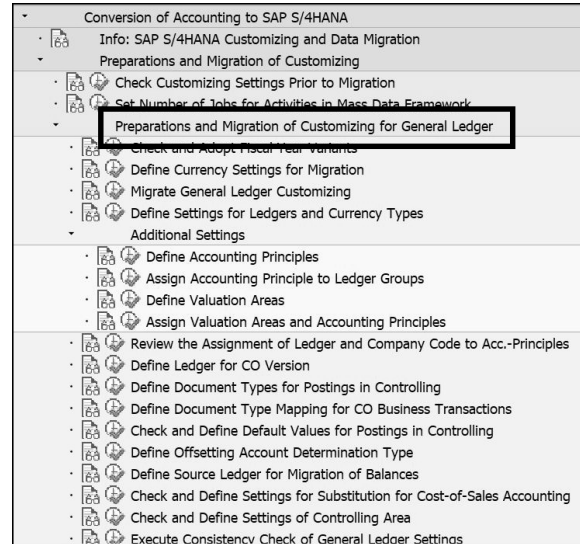


Figure 5.1 Customizing the General Ledger

Let's begin the migration journey and sequence of steps required for Customizing G/L.

5.1 Check and Adopt Fiscal Year Variants

The migration to the Universal Journal requires the same fiscal year variant to be used in both financial accounting and controlling.

In this activity, you compare the fiscal year variants between controlling areas and their assigned company codes. If an inconsistency exists in the fiscal year variant configuration, a report is created with a proposal for the required configuration change. You need to execute the report as part of the migration process. The fiscal year variants of CO and FI must be aligned before the migration of the transaction data can be started. The report lists all CO areas and company codes that need to be changed, as well as the number of the posting periods and special periods.

The **Det. FYV for CoAr** (determined fiscal year variant for controlling area) and **Det. FYV for CoCd** (determined fiscal year variant for company code) columns provide the proposal for the configuration change. The report must be executed using Transaction FINS_MIG_FYV for all relevant controlling areas.

If no changes are required, the information window shown in Figure 5.2 appears.

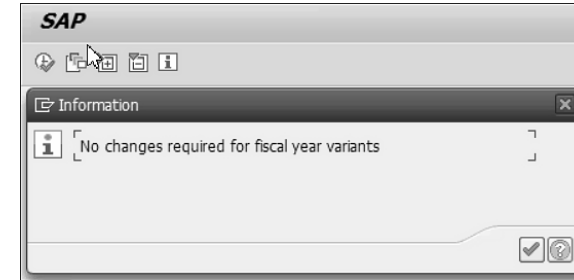


Figure 5.2 Aligning Fiscal Year Variants between CO and FI

5.2 Define Currency Settings for Migration

In this activity, the currency settings are established so that the Universal Journal entry provides amount information for all currency types, including the one that was only used in the CO module prior to the migration to SAP S/4HANA Finance.

In classic SAP, statistical postings in CO didn't require a mandatory local currency posting; however, in SAP S/4HANA Finance, the Universal Journal always requires a posting in a local currency. Thus, the exchange rate type needs to be defined so that these CO-related transactions can be migrated along with a local currency amount using the exchange rate type and the posting date. If the exchange rate type setting isn't defined, then the affected transactions are migrated with zero as the amount.

The settings also need to be defined for amounts that used currency types only in CO, determining whether to use FI currency Customizing or the CO approach in the SAP S/4HANA instance going forward, as shown in Figure 5.3 below.

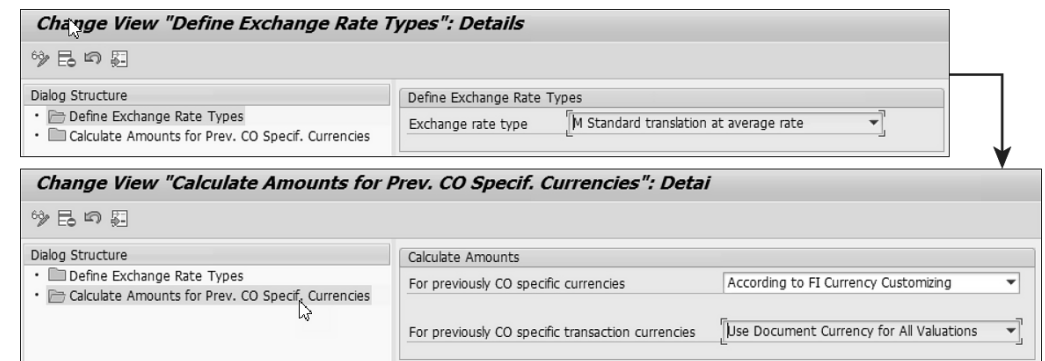


Figure 5.3 Currency Settings

Expert Insight

You might encounter the **Currency types 10/20/70 in document header inconsistent** error, which might be the result of the CO area currency being changed from currency type 10 to 30 in the past, resulting in the migration error (shown in Figure 5.4). In this situation, you should ignore the inconsistency as it pertains to the past closed fiscal years. Moreover, the pre- and post-migration reports should reconcile.

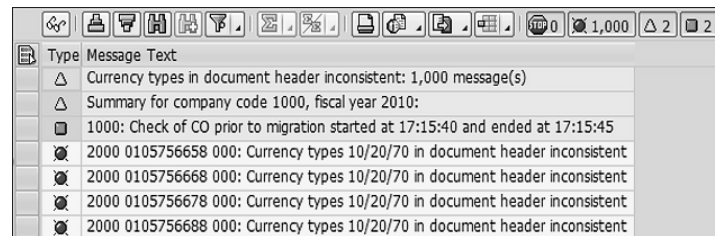


Figure 5.4 Error in Currency Type

5.3 Migrate General Ledger Customizing

In this activity, you migrate all the ledgers to the new configuration using Transaction FINS_MIG_LEDGER_CUST, as shown in Figure 5.5.

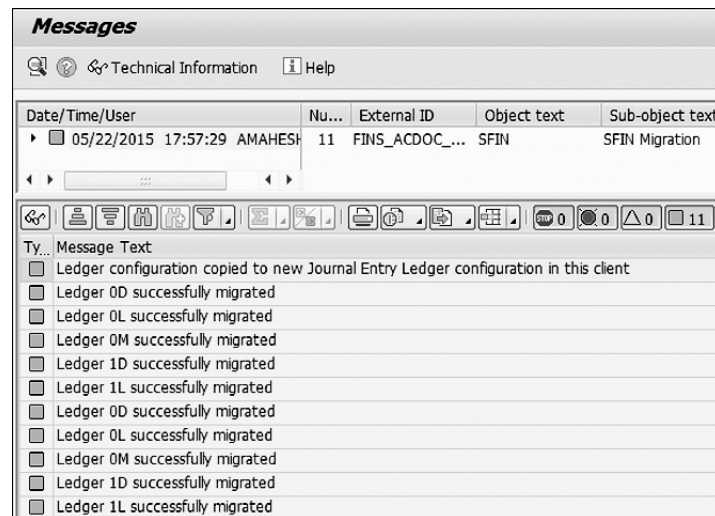


Figure 5.5 Migrating General Ledger Customizing

The following settings are migrated:

- Company code assignments
- Currency settings
- Fiscal year variant
- Open period variant
- Settings for real-time integration of CO and FI

After all these items are migrated successfully, you can proceed to the next step.

5.4 Define Settings for Ledgers and Currency Types

In this activity, you first define the currency types and the global currency conversion settings, as shown in Figure 5.6.

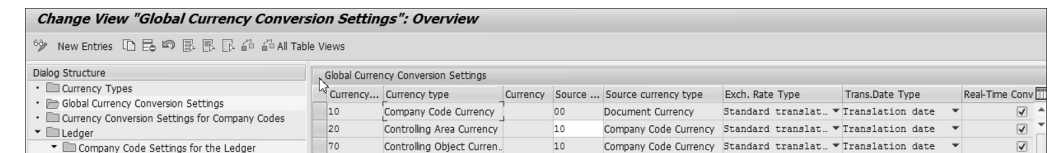


Figure 5.6 Settings for Currency Conversion

Simultaneously, you also define ledgers, which you use in accounting, as shown in Figure 5.7.

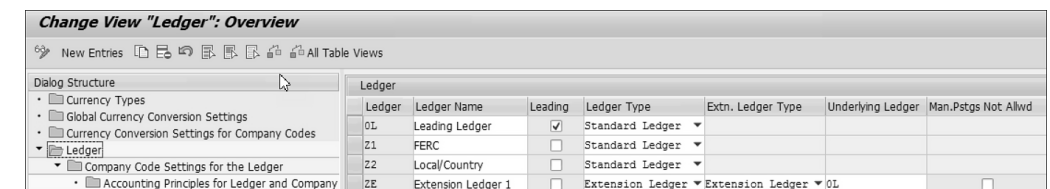


Figure 5.7 Setting for Ledgers

Only one ledger can be defined as the leading ledger (the standard leading ledger is 0L). There are two types of ledgers:

- **Standard ledger**
The *standard ledger* consists of all journal entries related to any business transactions.

■ **Extension ledger**

Introduced in SAP S/4HANA Finance, an *extension ledger* is assigned to a standard ledger, from which it inherits all journal entry postings. Any specific adjustments required to be posted only to the extension ledger aren't duplicated in the standard ledger. Thus, the extension ledger takes the base values from the standard ledger and then combines the specific extension ledger postings. This prevents multiple data footprints and significantly reduces data redundancy because the journal entries don't need to be posted to both the extension and the standard ledgers.

You also need to assign company codes to ledgers and define currency settings and fiscal year variants. The step-by-step configuration settings are shown in Figure 5.8 through Figure 5.10.

The following requirements must be met before performing this Customizing activity:

- Company codes are configured with currency, fiscal year variants, and open period variants.
- Controlling areas are configured with currency types and fiscal year variants.
- Company codes are assigned to controlling areas.
- Migration and Customizing of the ledger is completed.
- Ledger OL is configured as the leading ledger.
- The leading ledger is assigned to all company codes.

In this Customizing setting, **Ledger OL** needs to be assigned as the **Leading** ledger (see Figure 5.8). Here, you also need to create all the other standard (nonleading) ledgers and extension ledgers required for parallel accounting for the organization.

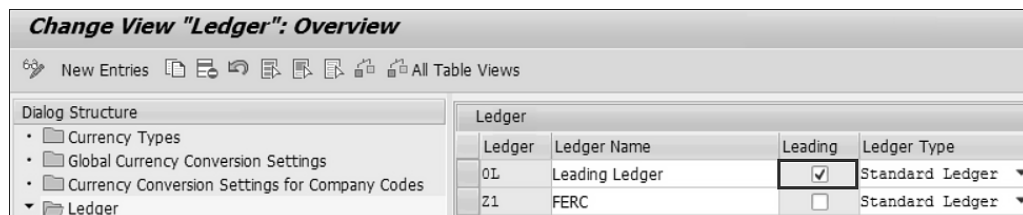


Figure 5.8 Leading Ledger Customizing

In this Customizing setting, all company codes need to be assigned to the leading ledger OL. Here, you also need to configure company code assignments to other ledgers,

along with currency settings, fiscal year variants, and posting period variants for non-leading ledgers. If you want to perform parallel accounting using G/L accounts instead of various ledgers, you need to select the **Parallel GL Accts** checkbox (see Figure 5.9).



Figure 5.9 Ledger Assignment to Company Code

In this Customizing setting, you need to assign accounting principles to the ledgers—both leading and nonleading. This assignment ensures that documents posted for a particular accounting principle are posted to the assigned ledger, whereas documents for which the accounting principle hasn't been assigned are posted to all ledgers (see Figure 5.10).

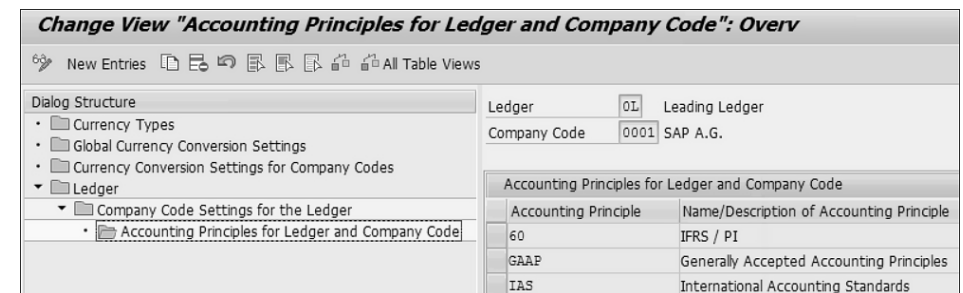


Figure 5.10 Accounting Principle Assignment to Ledger OL and Company Code

References

For more information, see SAP Note 1951069: Different Fiscal Year Variants in General Ledger Accounting (New).

5.5 Define Ledger Groups

In this activity, you define ledger groups in the Customizing menu, as shown in Figure 5.11. The creation of ledger groups simplifies the individual functions and processes of General Ledger Accounting. You can create as many ledger groups as needed

and can assign any number of ledgers in a ledger group as required to meet your business goals.

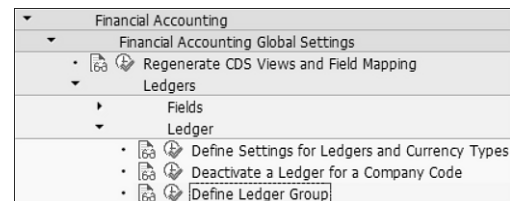


Figure 5.11 Customizing the Ledger Group

When a ledger is created in the system, a ledger group with the same name is automatically created, whereby data for an individual ledger can be posted and accessed merely by entering the ledger group. Some properties of ledger groups include the following:

- You can rename the ledger group that was created automatically when creating the ledger.
- You can create ledger groups that enable you to bring several ledgers together for joint processing in a function.
- If a ledger group isn't specified while posting an entry, the system posts to all the ledgers by default. Thus, creating ledger groups for all ledgers isn't required.

Within the ledger group, you need to assign one ledger as the representative ledger by selecting the **Rep.Ledger** checkbox, as shown in Figure 5.12. The best practice is to have the leading ledger OL as your representative ledger. Posting to all the ledgers is determined by the posting period of the representative ledger. If the posting period of the representative ledger is open while the posting period of the nonrepresentative ledger is closed, the system still posts to all the ledgers. The criteria for a representative ledger are as follows:

- Any ledger can be assigned as a representative ledger if all the ledgers in the group have a fiscal year variant that is different from the one assigned to the company code.
- If a ledger in the group has the same fiscal year variant as assigned to the company code, then that ledger must be assigned as the representative ledger within the ledger group.

Thus, you may not be able to use the same ledger group for all the active company codes within the organization.

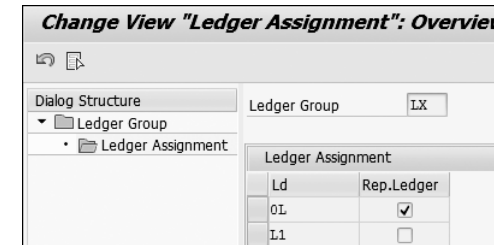


Figure 5.12 Defining the Ledger Group and Representative Ledger

Here, you first create ledger groups as required, provide a description for each of the groups, and then assign ledgers as applicable to each of the ledger groups. When posting a document, you can specify a ledger group so that all the documents are posted only to those ledgers in that group. The system assigns a representative ledger within a group that has more than one ledger.

5.6 Assign the Accounting Principle to the Ledger Group

After the ledger groups are created, you need to assign the ledger group to the accounting principle for the organization's legal and statutory reporting requirements. You can do so by choosing **SAP Customizing Implementation Guide • Financial Accounting • Financial Accounting Global Settings • Ledgers • Parallel Accounting • Assign Accounting Principle to Ledger Groups**, as shown in Figure 5.13.

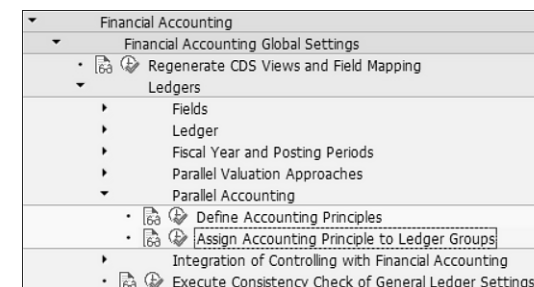
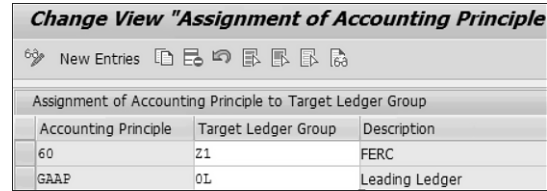


Figure 5.13 Assign Accounting Principle to Ledger Groups

Upon execution of this Customizing transaction, you then assign the accounting principle to the ledger group, as shown in Figure 5.14.



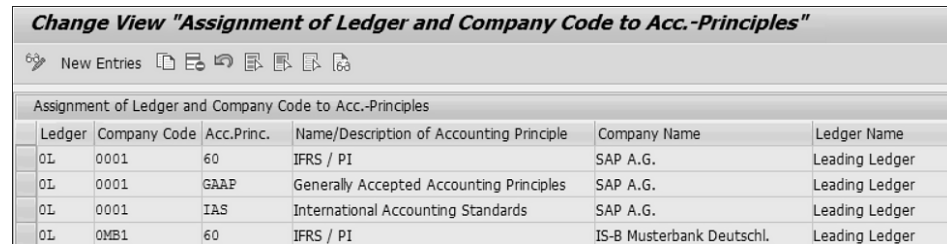
Accounting Principle	Target Ledger Group	Description
60	Z1	FERC
GAAP	0L	Leading Ledger

Figure 5.14 Ledger Groups Assigned to Accounting Principles

Defining the Accounting Principle and assigning it to ledger groups can also be configured at SAP Customizing Implementation Guide • Conversion of Accounting to SAP S/4HANA • Preparations and Migration of Customizing • Preparations and Migration of Customizing for General Ledger • Additional Settings, as shown earlier in Figure 5.1.

5.7 Review the Assignment of Ledger and Company Code to Accounting Principles

In this activity, you need to evaluate the accounting principle as assigned to the combination of ledger and company code. When a journal entry is posted with an accounting principle in the Universal Journal, the settings here drive posting to all the ledgers that are assigned the accounting principle as selected in the journal entry, as shown in Figure 5.15.

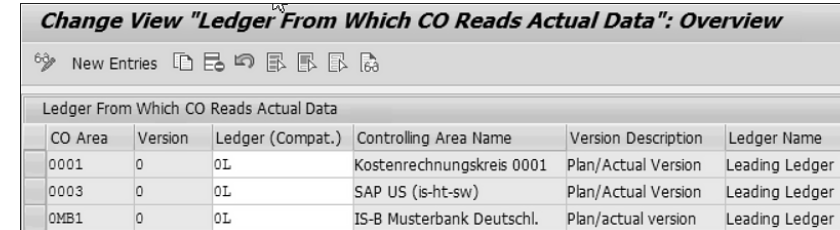


Ledger	Company Code	Acc.Princ.	Name/Description of Accounting Principle	Company Name	Ledger Name
0L	0001	60	IFRS / PI	SAP A.G.	Leading Ledger
0L	0001	GAAP	Generally Accepted Accounting Principles	SAP A.G.	Leading Ledger
0L	0001	IAS	International Accounting Standards	SAP A.G.	Leading Ledger
0L	0MB1	60	IFRS / PI	IS-B Musterbank Deutschl.	Leading Ledger

Figure 5.15 Assignment of Ledger and Company Code to Accounting Principle

5.8 Define the Ledger for the Controlling Version

In this activity, you define a ledger in which all actual data relevant to CO is posted by assigning Version 0 to a ledger. Currently, Version 0 for the controlling area needs to be assigned to the leading ledger, as shown in Figure 5.16. The fiscal year variant of the company code assigned to the leader must be identical to that of the controlling area.



CO Area	Version	Ledger (Compat.)	Controlling Area Name	Version Description	Ledger Name
0001	0	0L	Kostenrechnungskreis 0001	Plan/Actual Version	Leading Ledger
0003	0	0L	SAP US (is-ht-sw)	Plan/Actual Version	Leading Ledger
0MB1	0	0L	IS-B Musterbank Deutschl.	Plan/actual version	Leading Ledger

Figure 5.16 Assigning the Ledger to the CO Version

5.9 Define Document Types for Postings in Controlling

In this activity, you create and define new document types for CO-related postings. For example, you can create a separate document type that can be used for the reposting or allocating of primary costs. For document types used in CO, you must select the G/L Account checkbox under the Account types allowed section.

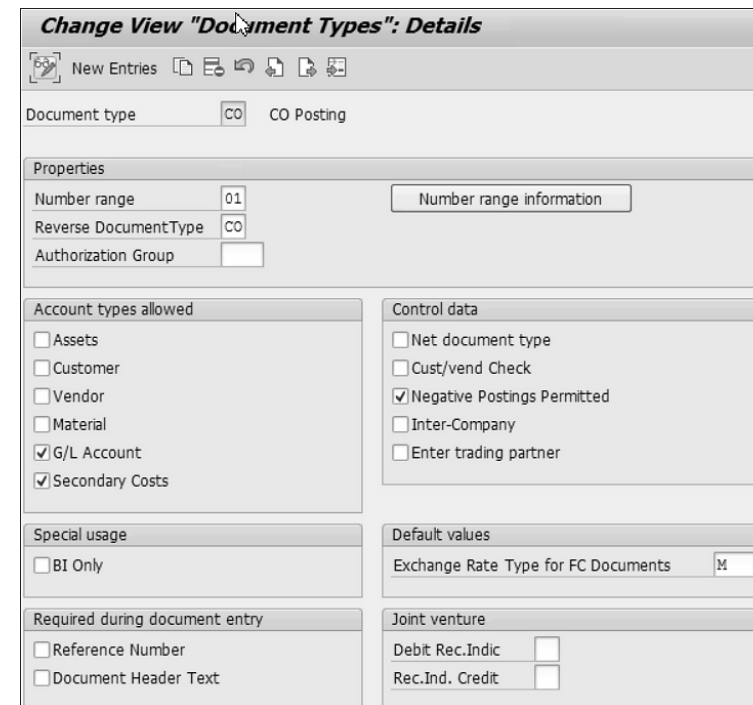


Figure 5.17 Document Type Properties for CO

In the example shown in Figure 5.17, Document type CO is defined with account type G/L Account checked.

5.10 Define Document Type Mapping for Controlling Business Transactions

In this activity, you define a variant for mapping CO business transactions to document types. You must conduct and define this mapping exercise for all CO actual posting business transactions. All company codes that possess CO documents need to be assigned to a mapping variant. When you migrate accounting documents to the Universal Journal entry structure, the system requires a document type for each CO posting. A default mapping variant is generated during the Customizing activity for the migration of the ledger in which all CO business transactions are mapped to the document type associated with the CO-FI real-time integration, as shown in Figure 5.18.

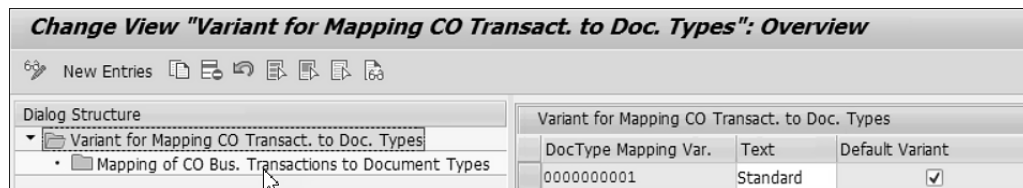


Figure 5.18 Variant for Mapping the CO Transaction to Document Types

Figure 5.19 shows how the CO business transactions are assigned to the document type.

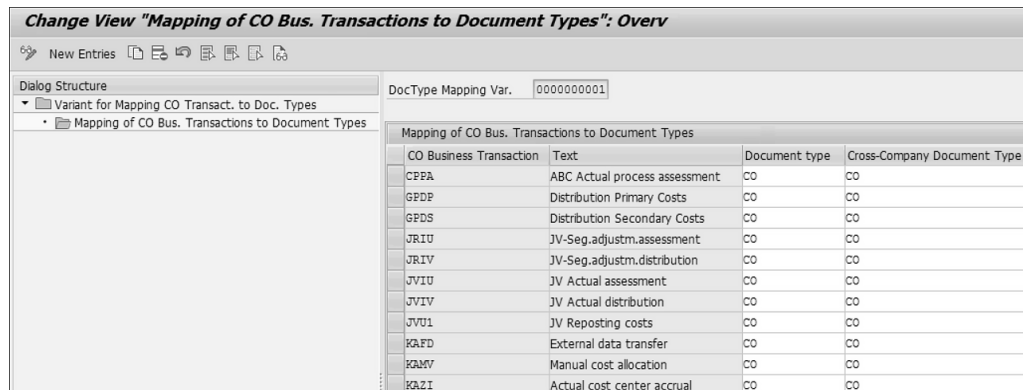


Figure 5.19 Mapping of CO Transactions to Document Types

5.11 Check and Define Default Values for Postings in Controlling

In this activity, you define default values for posting CO business transactions in which the user interfaces don't allow any document type or ledger group as an input while posting. If a default ledger group isn't specified in this Customizing activity, all CO-related transactions are posted to all the ledgers, as shown in Figure 5.20.

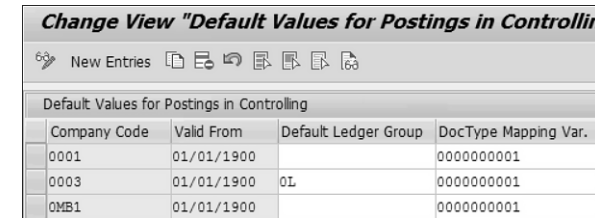


Figure 5.20 Default Values for Postings in CO

5.12 Define the Offsetting Account Determination Type

In this activity, you define the offsetting account determination for all applications. This activity needs to be executed before the migration to SAP S/4HANA Finance. You should choose the **Always display offsetting account (highest amount all lines)** option, as shown in Figure 5.21, because this option always displays the offsetting account with the highest amount, along with the line items that are generated automatically.

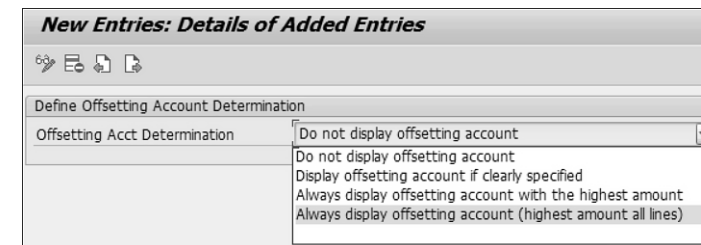


Figure 5.21 Define Offsetting Account Determination

5.13 Define the Source Ledger for Migration of Balances

In this activity, you define the source ledger and the source database table of the balances for General Ledger Accounting from which you want to transfer the opening balances. To do so, you use the following information:

- Target ledger
- Company code (you can specify "*" to apply the settings to all company codes)
- Starting fiscal year (by specifying the year as "0001", you apply the settings for all fiscal years)

Organizations using the new G/L can specify one entry per ledger, where the source and target ledger are equal. In the example in Figure 5.22, **OL** is defined as both the source and target ledger for **CoCd 1000** for the purpose of migration of balances.

Ld	CoCd	Year	Src.Ledger
OL	1000	1900	OL
L1	1000	1900	L1

Figure 5.22 Source Ledger for Migration of Balances

Expert Insight

If your organization was on classic G/L before and migrated to new G/L, then you have to specify a minimum of two line items. The first line item states the year from which the classic G/L ledger 00 was the source, and the second line item states the year from which the new G/L ledger OL was the source. In both cases, the target ledger remains OL only.

5.14 Check and Define Settings for Substitution for Cost of Sales Accounting

In this activity, you define substitution rules, which are only relevant when the functional area is being used for cost of sales accounting, as shown in Figure 5.23.

CoCd	CallPnt	Substitution	Description	Activtn level
1000	5	01-UKV	Cost of sales accounting	1
1001	5	01-UKV	Cost of sales accounting	1

Figure 5.23 Define Substitution Settings

5.15 Check and Define Settings of Controlling Area

In this activity, you need to define and validate the settings for the controlling area because SAP S/4HANA Finance behaves a bit differently compared to classic SAP ERP.

In SAP S/4HANA Finance, posting to an account assignment object, such as a cost center, is only possible from the company code defined in the master data of the account assignment object. This limitation is only applicable for external accounting; cross-company cost allocation will continue to work using intercompany clearing accounts. Thus, the **CoCd Validation** indicator should be checked for the current fiscal year and all future fiscal years at a minimum, as shown in Figure 5.24.

Controlling Area: 0001, Kostenrechnungskreis 0001
 Fiscal Year: 1992 to 9999

Activate Components:

- Cost Centers: Component active
- AA: Activity Type:
- Order Management: Component active
- Commit. Management: Components active
- Acty-Based Costing: Component Not Active
- ProfitAnalysis: costing-based account-based
- Projects
- Sales Orders W. Commit. Mgt
- Cost Objects
- Real Estate Mgmt

Other Indicators:

- All Currencies
- Variances
- CoCd Validation

Figure 5.24 Activate Control Indicators for the Controlling Area

Because the transaction currency is always recorded in a single Universal Journal in SAP S/4HANA Finance, you should activate and check the **All Currencies** boxes in the controlling area, as shown in Figure 5.25.



Figure 5.25 Activate Components for the Controlling Area

In classic SAP ERP, it was possible to post only in CO, but with the integration of CO with FI in SAP S/4HANA Finance, the postings within CO are also posted to the G/L using the Universal Journal. Therefore, you should check the **All Currencies** indicator and record all amounts in the transaction currency as well; otherwise, you might get the **Activate Control Indicator "All Currencies" (CO Area XXXX/FiscYr XXXX)** error message.

5.16 Execute Consistency Check of General Ledger Settings

In this activity, the Customizing settings for the ledgers are checked using Transaction FINS_CUST_CONS_CHK. This check must be executed before migration of transaction data with no error messages. You should receive the **Check passed** message upon execution of this consistency check.

The execution will display all the errors encountered, such as company code missing assignment to a leading ledger, as shown in Figure 5.26.

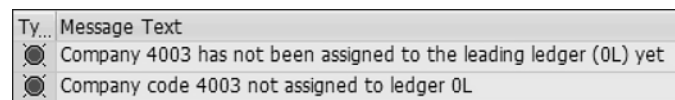


Figure 5.26 Consistency Check Error

5.17 Activate Business Functions

In this activity, you need to activate the business functions that are necessary for migrating to SAP S/4HANA Finance. You must activate the following business

functions in the Customizing system using Transaction SFW5 and then import them into the production system:

- **FIN_GL_CI_1**
This General Ledger Accounting business function helps to optimize the processes related to parallel accounting, as well as planning and reporting based on profit centers.
- **FIN_GL_CI_2**
This General Ledger Accounting business function enhances the processes for parallel accounting by enabling its integration with CO.
- **FIN_GL_CI_3**
This business function helps to improve the processes related to periodic tasks and optimize the usage of the archive functionality. Analysis of actual/actual comparison between the ledgers can be done while conducting the financial statement analysis. This business function also plays an important role in managing the assigned numbers when assets are transferred.

All three business functions activate functionality in G/L, which is mandatory for the implementation of SAP S/4HANA Finance (see Figure 5.27).

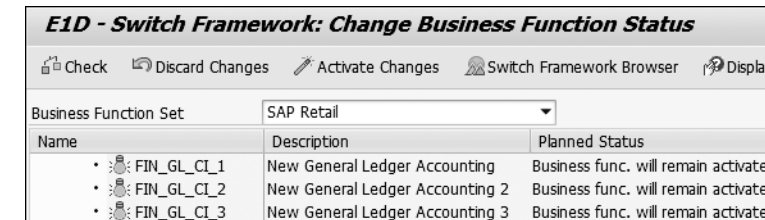


Figure 5.27 New General Ledger Business Functions Activated

This completes all the setup and configuration of all the Customizing steps for the G/L.

5.18 Lessons Learned

Table 5.1 shows some of the G/L-related challenges faced by organizations during an SAP S/4HANA migration, along with recommendations and lessons learned to avoid similar errors during the next migration.

Challenges	Recommendations/ Lessons Learned	Notes
Source ledger not defined for new company codes	Configuration must be done for the source ledger before starting FI-CO data migration.	Monitor table T001.
ML activation for new plants	ML should be activated for all plants. Use Transactions OMX3 and OMX1 for activation of ML.	Monitor table T001W.
Check configuration of document splitting	Always check configuration of document splitting to G/L and document types. Check the document splitting rule configuration also for inheritance.	Check this before migration.
Field status variant of G/L	Always check that the correct field status variant is assigned to G/L codes.	This is mainly for asset G/L and vendor/customer reconciliation accounts.
Assignment field of table BSIS and table BSAS	Check the Assignment field in invoice and clearing documents. It should be same; otherwise, errors will be encountered during data migration.	Per SAP recommendations, this error can be ignored and accepted during data migration.
Table BSEG data transferred to table ACDOCA	Check after data migration that all entries are migrated correctly to the Universal Ledger (table ACDOCA).	In table ACDOCA, entries will be updated with the G/L view, which will provide additional lines at the profit center level. In table BSEG, it may have one line.

Table 5.1 Lessons Learned: General Ledger

Challenges	Recommendations/ Lessons Learned	Notes
Inconsistency in table BSEG	Always check inconsistencies in table BSEG and table BKPF before the migration.	Inconsistency found that a blank entry is appearing in table BSEG and table BKPF in current system. This should be corrected at the root itself.
Reversals not getting cleared	After migration to SAP S/4HANA, documents reversed from Transaction RERAPPRV aren't getting cleared. Implement SAP Note 2472834.	After note implementation, reversals will be cleared.

Table 5.1 Lessons Learned: General Ledger (Cont.)

5.19 Summary

You'll need to execute the Customizing steps for the G/L before migration to SAP S/4HANA Finance to accommodate the required changes. This requires checking the consistency of the fiscal year variants between company code and controlling area, defining the ledgers and their assignment to the accounting principle, setting up the postings in CO, and activating any missing business functions.

In traditional FI, the leading ledger posts in real time, and the nonleading ledger posts periodically. In SAP S/4HANA Finance, now both leading and nonleading ledgers are created as the standard ledger. The newly introduced extension ledger can report on all transaction data of the base ledger, and it allows you to create views without affecting the base ledger.

You should now understand the prerequisites, preparations, and migration requirements related to the new General Ledger Accounting, and you can perform the Customizing steps as well. Let's now move on to Chapter 6, in which we'll discuss the Customizing for the migration of the Accrual Engine.

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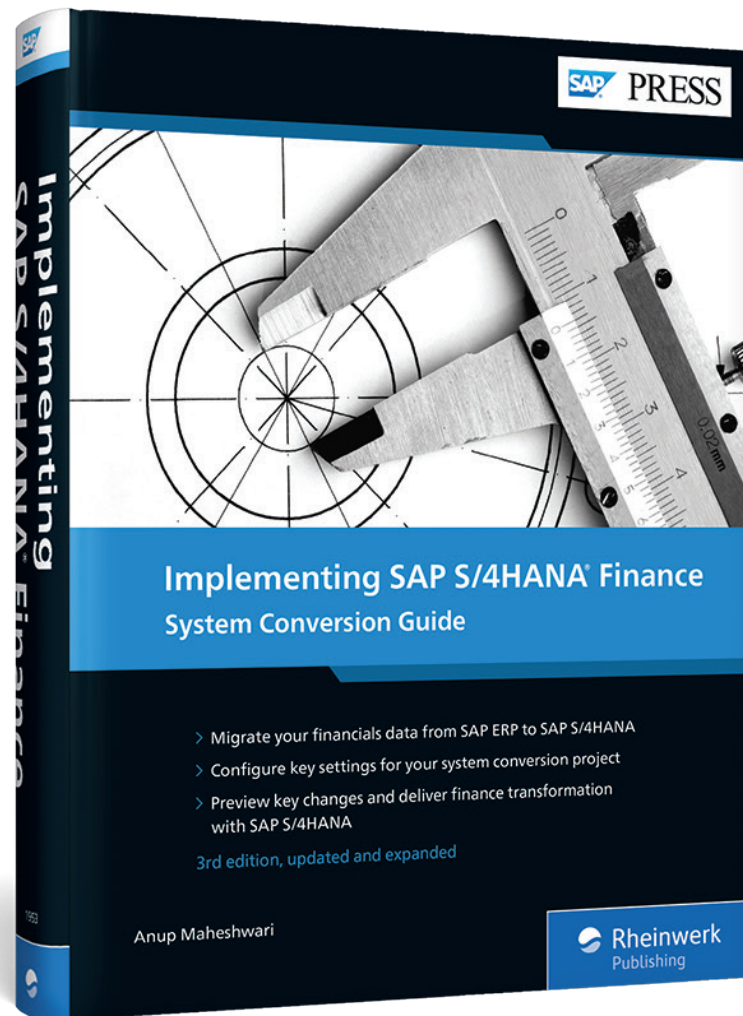
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