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Configuring Master Data Governance for Financials

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1 Configuring Master Data Governance for Financials

Use

SAP Master Data Governance for Financials enables you to govern financial master data on a hub system and to replicate the data to a number of client systems. The governance of the master data is centralized and managed by an approval process. You can use this guide to help you to configure Master Data Governance for Financials (MDG-F) 6.1.

Prerequisites

After installing MDGF 6.1, run the report `RGZZGLUX` before opening the UIs delivered with MDGF 6.1.

Data Model

If data model `0F` is available in your system and you want to activate the new data model `0G`, delete data model `0F`. Data model `0F` is the predecessor of `0G` and must not be used.

Business Function

You have activated the following business functions in transaction `SFW5`:

- [Master Data Governance, Generic Functions \(MDG_FOUNDATION\)](#)
- [Master Data Governance, Generic Functions 2 \(MDG_FOUNDATION_2\)](#)
- [Master Data Governance, Generic Functions 3 \(MDG_FOUNDATION_3\)](#)
- [Master Data Governance for Financials, Organizational Units \(FIN_MDM_ORG\)](#)
- [Master Data Governance for Financials 3 \(MDG_FINANCIALS_3\)](#)

Authorization Objects

You have assigned the following authorization objects:

Authorization Object	Description
USMD_CREQ	Type of Change Request
USMD_DIST	Replication
USMD_DM	Data Model
USMD_EDTN	Edition Type
USMD_MDAT	Master Data

Authorization Object	Description
USMD_MDATH	Hierarchies
USMD_UI	UI Model
USMD_UI2	UI Configuration
DRF_ADM	Creating Outbound Messages
DRF_RECEIV	Authorization for Outbound Messages for Receiving Systems
MDG_IDM	Key Mapping
MDG_MDF_TR	Master Data: Transport

SAP Business Workflow

You have made your general settings for SAP Business Workflow in Customizing for SAP NetWeaver under [▶ Application Server ▶ Business Management ▶ SAP Business Workflow ▶](#). For more information, see *SAP Business Workflow*.

Web Dynpro Applications

You have activated the services for Web Dynpro Applications. For a detailed list of the relevant services, see [Services to be Activated for Web Dynpro Applications](#).

Process

i Note

The Customizing settings are located under [▶ Master Data Governance ▶ Master Data Governance for Financials ▶](#) as well as [▶ Master Data Governance ▶ General Settings ▶](#). For more information, see *General Settings for Financials*. You can access all MDG-specific Customizing using transaction MDGIMG.

1. Activate data model OG

Check whether you can use the data model OG delivered by SAP for managing your Financials master data. For more information about this data model, see [Data Model of Master Data Governance for Financials \[page 13\]](#). For more information about modifying the data model, see [Enhancement of Master Data Governance Content](#).

You can activate the data model you want to use in Customizing under [▶ Data Modeling ▶ Edit Data Model ▶](#).

Note that you should maintain usage type 3 entity types, such as the standard hierarchy name for each controlling area, before using MDG-F.

2. Activate the Business Configuration set

Activate the Business Configuration Set (BC Set) `FIN_MDM_ORG_CUST`, which contains the edition types and change request types, in Customizing under [▶ Master Data Governance for Financials ▶ Import Predefined Change Request Types ▶](#).

You can also activate the BC Set FIN_MDM_ORG_CUST using the following procedure:

1. On the *SAP Easy Access* screen, choose **Tools > Customizing > Business Configuration Sets > Activation of BC Sets** (transaction SCPR20).
2. Enter the BC Set FIN_MDM_ORG_CUST and choose . Leave the default settings as they are.
3. **Define the authorization-relevant fields**
Work through the Customizing activity under **Data Modeling > Define Authorization Relevance per Entity Type**.
4. **Define an edition type**
If the entity types in your data model are edition-dependent, you must define an edition type. You can create an edition type in Customizing under **Process Modeling > Create Edition Type**.
5. **Define a change request type**
You can create the change request type you want to use in Customizing under **Process Modeling > Change Requests > Create Change Request Type**. You have the option to define priorities, reasons, or rejection reasons for change requests. You can enter codes and a short description to tag or classify your change requests. These codes can be used later for change request analytics (process quality analysis). They also can be used to influence the workflow-driven processes. For example, depending on the priority of a change request, you can mark it for special processing. For more information, see Customizing for *Master Data Governance* under **General Settings > Process Modeling > Change Requests** and work through the following activities:
 - [Edit Statuses of Change Requests](#)
 - [Define Priorities for Change Requests](#)
 - [Define Reasons for Change Requests](#)
 - [Define Rejection Reasons for Change Requests](#)You also have the option of defining print forms for change requests. By default, the form USMD_EDITION_CREQUEST is used. This is only relevant if your own print forms or multiple print forms are required. For more information, see Customizing for *Master Data Governance* under **General Settings > Process Modeling > Change Requests > Define Print Form for Change Requests**.
6. **Check UI modeling**
If you have modified the data model, go to Customizing under **UI Modeling > Edit UI Configuration** and check the UI configuration MDG_0G_FINANCIALS. The UI configuration determines the Web user interface for single processing or for a change request for a single object. For more information, see [Managing of UI Configurations](#).
Check the predelivered print forms that are assigned to data model 0G in Customizing under **UI Modeling > Assign Print Forms for Single Processing**.
7. **Assign and personalize the role**
 - On the *SAP Easy Access* screen, choose **Tools > Administration > User Maintenance > Role Administration > Roles** (PF03). In the role SAP_MDGF_MENU_03 on the *Personalization* tab page, edit the personalization key SAP Master Data Governance (R_FMDM_MODEL). Specify 0G as the standard data model and create a UI configuration. If applicable, create the default values for the edition, the change request type, and the entity type.
 - On the *SAP Easy Access* screen, choose **Tools > Administration > User Maintenance > Users** (SU01). Assign the role SAP_MDGF_MENU_03 to your users.
8. **Define the validation rules and derivation rules**

Work through the Customizing activity under ► [Data Quality and Searches](#) ► [Validations and Enrichments](#) ► [Define Validation and Derivation Rules](#) ►. For more information, see [Define Validations and Derivations](#).

9. Configure workflow for Financials

Several workflow templates are available for MDG-F. For more information, see [Workflow Template for Financials \[page 55\]](#).

1. Activate type linkage

To activate the type linkage, run the following activity in Customizing for *Master Data Governance* under ► [General Settings](#) ► [Process Modeling](#) ► [Workflow](#) ► [Activate Type Linkage](#) ►.

Ensure, that one object type BUS2250 has the following settings:

- Event: CREATED
- Receiver Type: (blank)
- Type linkage active: yes
- Enable event queue: deactivated

The type linkage indicator must not be active for all other receiver types of object type BUS2250 and event CREATED. This receiver type is defined via the receiver type function module USMD_WF_RECEIVER_TYPE.

i Note

To enter the receiver type function module or if you need to change the settings, mark the according line in the table and choose ► [Goto](#) ► [Details](#) ►.

2. Configure Workflow Tasks

To ensure the general assignment of processors to the workflow, work through the Customizing activity under ► [General Settings](#) ► [Process Modeling](#) ► [Workflow](#) ► [Configure Workflow Tasks](#) ►.

1. For each of the application components CA-MDG-AF and CA-MDG-APP-FIN, choose [Assign Agents](#).
2. Tasks have the prefix *TS** in their IDs. Those that are not *Background Tasks* need to be set to *General Task*. To do this, select the task and choose [Attributes...](#). Then select *General Task*.

3. Assign Agents

Depending on which workflow you selected, work through one of the following Customizing activities:

- WS75700027 and WS75700040: under ► [General Settings](#) ► [Process Modeling](#) ► [Workflow](#) ► [Other MDG Workflows](#) ► [Assign Processor to Workflow Step Number \(Simple Workflow\)](#) ►
- WS75700043: under ► [Master Data Governance for Financials](#) ► [Workflow](#) ► [Assign Processor to Workflow Step Number \(Extended Workflow\)](#) ►

10. Create hierarchy versions

Work through the Customizing activity ► [Process Modeling](#) ► [Create Hierarchy Versions](#) ►.

11. Configure the data replication

You can replicate the master data of Financials by means of SAP enterprise services, IDoc or file downloads. For more information, see [File Download](#) and [Configuring Data Replication](#). Work through the Customizing activities for *Master Data Governance* under ► [General Settings](#) ► [Data Replication](#) ►. Some additional settings are required for enterprise services. To configure the service interfaces and service groups, see Customizing for *Cross-Application Components* under ► [Processes and Tools for Enterprise Applications](#) ► [Enterprise Services](#) ► [General Settings for Enterprise Services](#) ► [Manage and Test Enterprise Services](#) ► (transaction SOAMANAGER). For detailed information about how to configure the SOA Manager, see [Configuring the SOA Manager for Master Data Governance for Financials \[page 37\]](#).

For more information about how to use the SOA Manager to configure a Web service-based communication, see *Configuring a Consumer Proxy*.

Configure the following services and service groups:

Request Services

MDG-F Outbound Request	Service Group	FI Inbound Request
ChartOfAccountsReplicationRequest_Out	USMD_CHARTOFACCRPLCTNRQ_V1	ChartOfAccountsReplicationRequest_In_V1
FinancialReportingStructureReplicationRequest_Out	USMD_FINREPSTRUCTRPLCTNRQ	FinancialReportingStructureReplicationRequest_In
GeneralLedgerAccountMasterReplicationBulkRequest_Out	USMD_GENLEDACMRPLCTNRQ	GeneralLedgerAccountMasterReplicationBulkRequest_In
CompanyReplicationBulkRequest_Out	USMD_COMPANYRPLCTNRQ	CompanyReplicationBulkRequest_In
CostCentreReplicationBulkRequest_Out	USMD_COSTCTRPLCTNRQ	CostCentreReplicationBulkRequest_In
ProfitCentreReplicationBulkRequest_Out	USMD_PROFITCTRPLCTNRQ	ProfitCentreReplicationBulkRequest_In
CostCentreGroupHierarchyReplicationRequest_Out	USMD_COSTCTRGRPHIRPLCTNRQ	CostCentreGroupHierarchyReplicationRequest_In
ProfitCentreGroupHierarchyReplicationRequest_Out	USMD_PRFTCTRGRPHIRPLCTNRQ	ProfitCentreGroupHierarchyReplicationRequest_In
CostElementReplicationBulkRequest_Out	USMD_COSTELMTRPLCTNRQ	CostElementReplicationBulkRequest_In
CostElementGroupHierarchyReplicationRequest_Out	USMD_COSTELMNTGRPHIRPLCTNRQ	CostElementGroupHierarchyReplicationRequest_In

Confirmation Services

FI Outbound Confirmation	Service Group	MDG-F Inbound Confirmation
ChartOfAccountsReplicationConfirmation_Out	FBS_CHTACCTSRPLCTNCO	ChartOfAccountsReplicationConfirmation_In
FinancialReportingStructureReplicationConfirmation_Out	FBS_FINRPTGSTRUCCO	FinancialReportingStructureReplicationConfirmation_In
GeneralLedgerAccountMasterReplicationBulkConfirmation_Out	FBS_GLACCTMSTRRPLCTNRCO	GeneralLedgerAccountMasterReplicationBulkConfirmation_In
CompanyReplicationBulkConfirmation_Out	FBS_COMPANYRPLCTNBCO	CompanyReplicationBulkConfirmation_In

FI Outbound Confirmation	Service Group	MDG-F Inbound Confirmation
CostCentreReplicationBulkConfirmation_Out	KBAS_CO_COST_CENTRE_RPLCN	CostCentreReplicationBulkConfirmation_In
ProfitCentreReplicationBulkConfirmation_Out	KE1_PRCTRPLCTN_SG	ProfitCentreReplicationBulkConfirmation_In
CostCentreGroupHierarchyReplicationConfirmation_Out	KBAS_CO_CCGROUP_RPLCN	CostCentreGroupHierarchyReplicationConfirmation_In
ProfitCentreGroupHierarchyReplicationConfirmation_Out	KE1_PRCTRGRP_SG	ProfitCentreGroupHierarchyReplicationConfirmation_In
CostElementReplicationBulkConfirmation_Out	KBAS_CO_COSTELEMNT_RPLCN	CostElementReplicationBulkConfirmation_In
CostElementGroupHierarchyReplicationConfirmation_Out	KBAS_CO_CELGROUP_RPLCN	CostElementGroupHierarchyReplicationConfirmation_In

Replicate master data to the SEM-BCS system using enterprise services

Additionally, MDG-F also provides outbound services for four entity types (ChartOfAccounts, FinancialReportingStructure, FinancialConsolidationElement, and FinancialConsolidationStructure) so you can copy them to the SEM-BCS system. Note that MDG-F only provides the outbound services, so you also need the inbound services in the SEM-BCS system set up to run this scenario correctly.

Configure the following services and service groups:

Request Services

MDG-F Outbound Request	Service Group	SEM-BCS Inbound Request
FinancialConsolidationElementReplicationBulkRequest_Out	USMD_FINCNSSELMNTRPLCTNBRQ	FinancialConsolidationElementReplicationBulkRequest_In
FinancialReportingStructureReplicationRequest_Out	USMD_FINREPSTRUCTRPLCTNRQ	FinancialReportingStructureReplicationRequest_In
FinancialConsolidationStructureReplicationRequest_Out	USMD_FINCNSSTRUCTRPLCTNRQ	FinancialConsolidationStructureReplicationRequest_In
ChartOfAccountsReplicationRequest_Out_V1	USMD_CHARTOFACCRPLCTNRQ_V1	ChartOfAccountsReplicationRequest_In_V1

Confirmation Services

SEM-BCS Outbound Confirmation	Service Group	MDG-F Inbound Confirmation
FinancialConsolidationElementReplicationBulkConfirmation_Out	UC0_FINREPSTRUCTRPLCTNCO	FinancialConsolidationElementReplicationBulkConfirmation_In

SEM-BCS Outbound Confirmation	Service Group	MDG-F Inbound Confirmation
FinancialReportingStructureRe plicationConfirmation_Out	UC0_FINCNSELMNTRPLCTNBCO	FinancialReportingStructureRe plicationConfirmation_In
FinancialConsolidationStructu reReplicationConfirmation_Out	UC0_FINCNSSTRUCTRPLCTNCO	FinancialConsolidationStructu reReplicationConfirmation_In
ChartOfAccountsReplicationCon firmation_Out	UC0_CHARTOFACCRPLCTNCO	ChartOfAccountsReplicationCon firmation_In

Replicate master data using the IDoc

Alternatively, you can use the IDoc to replace data replication.

If you are going to replicate master data using the IDoc, you must complete some mandatory Application Link Enabling (ALE) Customizing. Use transaction code `SALE` to navigate to the ALE Customizing node.

Perform the following steps:

1. Define the logical systems for both source system and target system under [Basic Settings > Logical Systems > Define Logical System](#).
2. Assign the logical system to a client under [Basic Settings > Logical Systems > Assign Logical System to Client](#).
3. Create an RFC connection for your target system under [Communication > Create RFC Connections](#).
4. If the company code or business area is needed in your data, then you must define the global organizational units for company code or business area. You can define global organizational units under [Modelling and Implementing Business Processes > Global Organizational Units > Cross-System Company Codes](#).
5. Maintain the distribution model for your distribution case under [Modelling and Implementing Business Processes > Maintain Distribution Model and Distribute Views](#).
6. Create a new distribution model view and assign the IDoc message type to this model view. For example, if you need to distribute GL Account, then you must add IDoc message type GLMAST to your model view.
7. When adding a message type, you must assign the source system and target system to each message type.
8. After you have added all the required message types, choose [Environment > Generate Partner Profiles](#) to generate the necessary partner profiles for your current system.
9. After you have generated the necessary partner profiles, choose [Edit > Model view > Distribute](#) to distribute this model view to your target system. Navigate to the target system, and repeat the previous step in the target system to generate partner profiles.

After you have finished the ALE Customizing above, check and configure the necessary data replication framework Customizing for IDoc outbound services. For more information, see [Configuring Data Replication](#). Work through the Customizing activity under [Data Replication](#).

Note that MDG-F provides predelivered IDoc outbound implementations for the following entity types:

MDGF Entity Type	Corresponding IDoc Message Type
GeneralLedgerAccountMaster	GLMAST
CostCentre	COSMAS
CostElement	COELEM
ProfitCentre	PRCMAS
CostCentreGroupHierarchy	COGRP1
CostElementGroupHierarchy	COGRP2
ProfitCentreGroupHierarchy	COGRP6

MDGF also provides a BAdI to allow you to change the data before sending it to a target system using IDoc. If you need to change the data before sending it out, you can create your own BAdI implementation of enhancement spot `USMD_IDOC_OUT`, and add your own logic in the interface `IF_EX_USMD_IDOC_OUT` for the method `MODIFY_IDOC_DATA`.

12. Define value mapping

If required, you can define value mapping under [▶ General Settings ▶ Value Mapping ▶](#). For more information, see [Value Mapping](#).

13. Define key mapping

If you are working with multiple connected systems and did not consolidate the financial object keys during the initial load phase, key mapping may be required.

You can define the system-specific mappings for the key value for financials in Customizing for Master Data Governance under [▶ General Settings ▶ Key Mapping ▶](#).

The mapping definitions of the key mappings can be conducted by any authorized user using the business transaction from the portal or the corresponding back-end transaction.

14. UI environment for running SAP Master Data Governance

You can manage the master data for Financials in one of the following environments:

- **SAP NetWeaver Business Client**

If you want to use SAP NetWeaver Business Client for managing your master data in Financials, you need to create, define or configure the role for the Business Client in the SAP ERP system. To do this, perform the steps described under **Assign and personalize the role**. This ensures that you can start the necessary steps without using the SAP NetWeaver Portal. You can use the role for testing or when the portal is inactive.

Check the settings of the authorization objects within the roles and restrict them, if applicable.

- **SAP NetWeaver Portal**

The SAP NetWeaver portal content for MDG-F is derived directly from the system PFCG roles. To create SAP NetWeaver portal roles, you must log on to the portal and upload the content information from your backend system PFCG roles.

To upload the portal content, perform the following:

1. Set up the SAP NetWeaver Portal for MDG.

2. In the *Content Administration* work center, choose [Portal Content Management](#) > [Portal Content](#) and select a portal content folder to upload the portal content.
3. Right-click on the folder and choose [New](#) > [Role](#) > [Role from Back End](#).
4. Select the system and client (or the connected system alias) you want to upload the role information from. This should be your hub system.
5. From the list displayed, select the PFCG role `SAP_MDGF_MENU_03` and begin the upload.

Once the MDG portal roles have been uploaded, you must assign them as follows:

1. Log on to the portal.
2. Choose *Delegated User Administration*.
3. Enter your user ID and choose *Go*.
4. Mark the line of your user and choose *Modify*.
5. Select the *Assigned Roles* tab.
6. Enter **MDG** as the search criteria.
7. Select the portal role you have previously uploaded.
8. Choose *Add* and save.

After assigning the user role, you need to log off and log on again to the portal. For more information on uploading roles, see SAP Note [1685257](#).

15. Set up inbound services for entity type company

If you need to import data for the entity type Company from a remote system to the MDG-F system, make the following Customizing changes:

1. Change the change request type under [Process Modeling](#) > [Change Requests](#) > [Create Change Request Type](#). Select your change request type and choose *Business Activities*.
2. Create a new entry for business activities and input `CMP1`. Save your change request type.

16. Display remote where-used list

You can use this BAdI to display a list of entities changed by MDG-F in a remote system. You can display the where-used list in remote systems for entities in MDG. You can access this BAdI under [General Settings](#) > [Data Quality and Search](#) > [Business Add-Ins](#) > [BAdI: Remote Where-Used List](#).

17. Configure and use enterprise search for MDG-F

You are authorized to access the *Connector Administration Cockpit* (transaction `ESH_COCKPIT`).

Configure Enterprise Search

1. Generate the data model structures. Check if the enterprise service (ES) specific structures are generated for the respective data model. If not, generate the data model structures in Customizing for *Master Data Governance* under [General Settings](#) > [Data Modeling](#) > [Generate Data Model-Specific Structures](#). You can also use the view cluster `VC_USMD004`.
2. Check if multiple active data models exist for the single Object Type Code (OTC) for which the ES template must be generated. If they have been created, maintain a single active data model for the OTC in Customizing for *Master Data Governance* under [General Settings](#) > [Data Modeling](#) > [Define Entity Type to Be Used by Business Object Type](#).
3. Generate the ES template in Customizing for *Master Data Governance* under [General Settings](#) > [Data Quality and Search](#) > [Search and Duplicate Check](#) > [Create Search Object Connector Templates](#).
4. Assign the software component and ES template in Customizing for *Master Data Governance* under [General Settings](#) > [Data Quality and Search](#) > [Search and Duplicate Check](#) > [Assign Search Object Connector Templates to Object Types](#).

5. Run transaction `ESH_COCKPIT`. The *Connector Administration Cockpit* UI opens in a new window. Choose *Modeler*.
 - Navigate to the required application model and choose *Edit*.
 - In step 1 (*Model Properties*), enter the package name.
 - Select step 5 (*Node Response*) and select the *Response Attributes* tab. Define the response attributes and specify in which area of the *Search Result* UI an attribute appears.
 - Choose *Save* and *Finish*.
6. Return to the connector administration cockpit UI and choose *Create*.
 - A dialog window *Create Search Object Connector* opens. You can select the software component from the dropdown list to which the connector belongs to. The list of connectors appears in the table. Select the connector and choose *Create Connector*. If the connector is already created then it is disabled.
 - When the connector is created initially, the status of the connector is *New*. Wait for the status to change to *Preparing* and finally to *Prepared*. You may need to refresh the page at intervals. You can schedule the indexing when the connector is in the *Prepared* status.
7. To schedule indexing, choose *Actions*. Select *Schedule Indexing* from the dropdown list. Set the start time. The status of the connector is set to *Schedule for Indexing*. Wait for the status to change to *Indexing* and finally to *Active*.

Use Enterprise Search

1. Run transaction `ESH_SEARCH` and choose *Advanced Search*.
2. Select **More . . .** from the *Search In* dropdown list. Select the *Visible* checkbox, and choose *OK*.
3. Enter the created connector in the *Search In* field.
4. Enter your search criteria in the *Search For* field and choose *Search*.

2 Data Model of Master Data Governance for Financials

Use

This document describes the data model OG and its entity types and attributes.

Structure

Entity type: Account (ACCOUNT)

This entity type corresponds to the general ledger account in the FI-GL component. The attributes modeled here coincide with the chart of accounts-dependent attributes and can be maintained in FI-GL using the transaction FSP0.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
ACCOUNT	Account	G/L account number
FSIFTYP	Account Type	Balance sheet or P&L statement account
ACCPLTYP	P&L Statement Account Type	Input help for P&L statement account type from Customizing
ACCGRPACC	Account Group	Input help for G/L account group from Customizing
FSIACC	Group Account	Input help for group accounts, provided a group chart of accounts exists
FSIACCSTA	Statistical Group Account	Input help for statistical group accounts, provided a group chart of accounts exists
FUNCAACC	Functional Area	Input help for functional area from Customizing
COMPACC	Company	Input help for companies
ACCBLCREA	Creation Block	Indicator

Technical Name	Attribute	Description
ACCBLPLAN	Planning Block	Indicator
ACCBLPOST	Posting Block	Indicator
ACCDEL	Deletion Indicator	Indicator
ACCNEWACC	New Account	Input help for accounts serving as integrated documentation in case the account is blocked
ACCRESPP	Person Responsible	User text field for name
ACCRESPU	User Responsible	Input help for user name from user management

Entity type: Account (Company Code) (ACCCDET)

This entity type corresponds to the general ledger account in the FI-GL component. The attributes modeled here coincide with the company code-dependent attributes and can be maintained in FI-GL using the transaction FSS0.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
ACCOUNT	Account	Account
COMPCODE	Company Code	Company Code
ACCAUTHGP	Authorization Group	User text field for specifying authorization groups
ACCAUTPOS	Automatic Posting Possible	Indicator
ACCBALLC	Balances in Local Currency	Indicator
ACCASHFL	Cash Receipt/Cash Disbursement Account	Relevant for cash flow
ACCCBLPOS	Posting Block	Indicator
ACCCDEL	Deletion Indicator	Indicator
ACCXCHRD	E/R Diff. Key	Key for exchange rate differences in foreign currency accounts (Customizing)
ACCICFREQ	Interest Calculation Frequency	Choice of 1 to 12 for interest frequency in months

Technical Name	Attribute	Description
ACCICIND	Interest Indicator	Input help for interest calculation indicator from Customizing
ACCLIDISP	Line Item Display via Account Possible?	Indicator
ACCPNITM	Open Items Management?	Indicator
ACCPLEEV	Planning Level	Input help for planning levels from Customizing
ACCRECIND	Account is Reconciliation Account	Reconciliation indicator for subledger accounting analogous to FI-GL
ACCTAXCAT	Tax Category in Account Master Record	Input help for tax categories from Customizing
ACCTXCOPT	Tax code is not a required field	Indicator
ACCVALGRP	Valuation Group	Input help for valuation groups from Customizing
ACCFSTGRP	Field Status Group	Input help for field status group from Customizing
ACCALTACC	Alternative Account Number	Input help for alternative account numbers, provided a country-specific chart of accounts exists in Customizing
CURRACC	Account Currency	Input help for account currency from Customizing

Entity type: Financial Reporting Structure (FRS)

This entity type corresponds to the financial statement version in the FI-GL component. A different structure can be created for each chart of accounts. The financial reporting structure itself is not the hierarchy-defining object, but rather the object's name.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FRS	Financial Reporting Structure	Financial Reporting Structure
FRSFAPERM	Assignment of functional areas permitted	Indicator
FRSIASSET	Assets	Key of item that represents the assets side of the balance sheet

Technical Name	Attribute	Description
FRSILIAB	Liabilities and Equity	Key of item that represents the liabilities and equity side of the balance sheet
FRSILLOSS	Net Loss	Key of item that represents the Net Loss item
FRSINOASS	Not-Assignable Accounts	Key of item that represents the not-assignable accounts
FRSINOTES	Notes to Financial Statement	Key of item that represents the notes to the financial statements
FRSIPLI	P+L Profit	Key of item that represents the P&L profit item
FRSIPROF	Retained Earnings	Key of item that represents the Retained Earnings item
FRSUSEFSI	Group Account Number	(blank)

Entity type: Financial Reporting Structure Item (FRSI)

This entity type corresponds to the item of the financial statement version in the FI-GL component. The financial reporting structure item is the hierarchy-defining object. The hierarchical financial statement version - as maintained in the transaction FSE2 - is defined as the hierarchy of the entity type FRSI.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FRS	Financial Reporting Structure	Financial Reporting Structure
FRSI	Financial Reporting Structure Item	Financial Reporting Structure Item
FRSIDTEND	Display Total at End of Group	Indicator
FRSIDTGRA	Display Graduated Total	Indicator
FRSISIGNC	Reverse +/- Signs	Indicator
FRSICONTR	Contra Item	Contra item for reporting, dependent on sign of the balance

Multilingual texts of financial statement items are defined in a lower-level entity type.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FRS	Financial Reporting Structure	Financial Reporting Structure
FRSI	Financial Reporting Structure Item	Financial Reporting Structure Item
LANGUAGE	Language Key	Language Key
FRSITBEG1	Group Starting Row 1	Group starting row of financial statement item
FRSITBEG2	Group Starting Row 2	Group starting row of financial statement item
FRSITBEG3	Group Starting Row 3	Group starting row of financial statement item
FRSITBEG4	Group Starting Row 4	Group starting row of financial statement item
FRSITEND1	Group Ending Row 1	Group ending row of financial statement item
FRSITEND2	Group Ending Row 2	Group ending row of financial statement item
FRSITEND3	Group Ending Row 3	Group ending row of financial statement item
FRSITEND4	Group Ending Row 4	Group ending row of financial statement item
FRSITTOT1	Graduated Total Row 1	Graduated total row for financial statement item
FRSITTOT2	Graduated Total Row 2	Graduated total row for financial statement item
FRSITTOT3	Graduated Total Row 3	Graduated total row for financial statement item
FRSITTOT4	Graduated Total Row 4	Graduated total row for financial statement item

In hierarchy maintenance, you can define hierarchy attributes for the interfaces between financial reporting structure items and accounts (or ranges of accounts).

Technical Name	Attribute	Description
FRSIHACRE	Entry relevant for credit balances	Indicator
FRSIHADEB	Entry relevant for debit balances	Indicator

Chart of Accounts

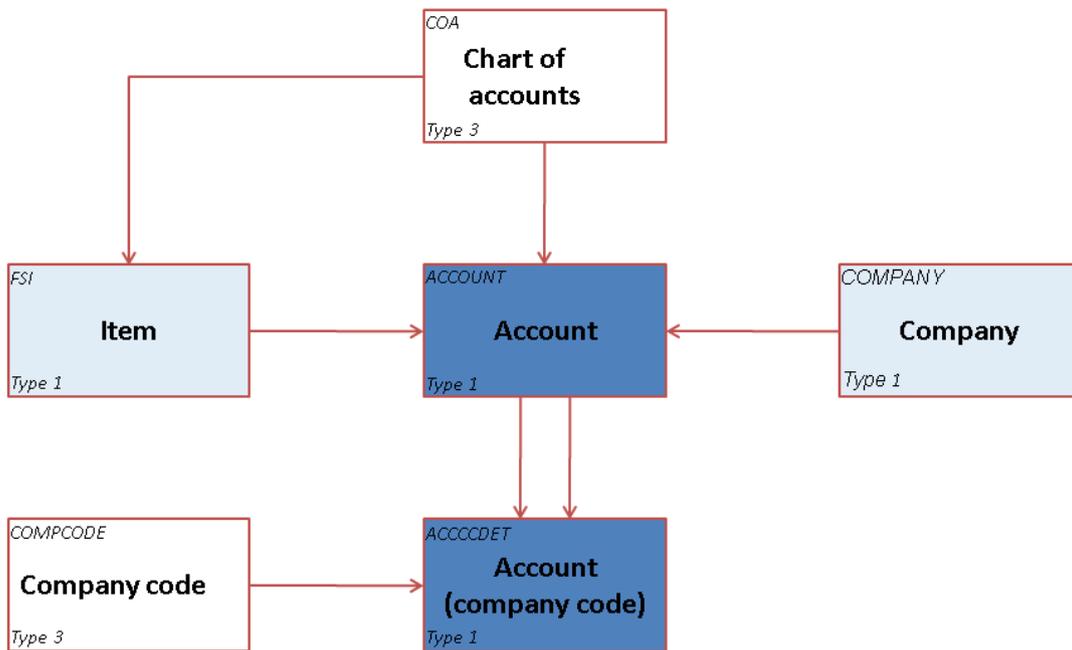
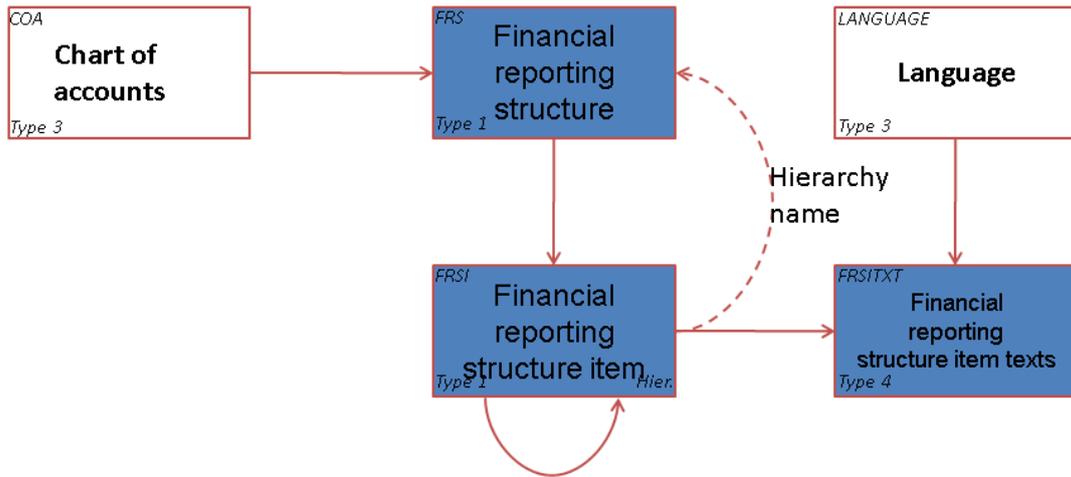


Chart of Accounts

Financial Reporting Structure



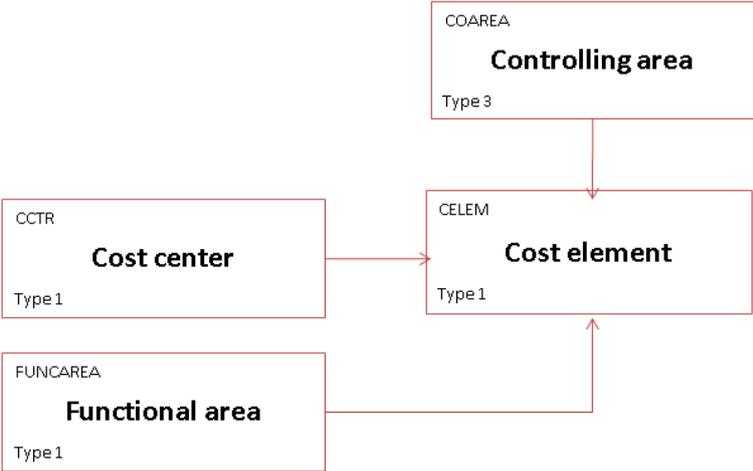
Financial Reporting Structure

Entity type: Cost Element (CELEM)

You can define the cost element in transaction KA02.

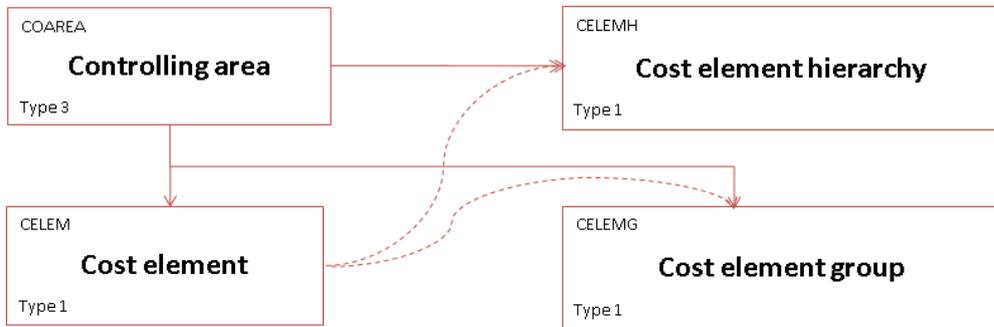
Technical Name	Attribute	Description
COAREA	Controlling Area	
CELEM	Cost Element	
CELEMCAT	Cost Element Category	
CELEMINDQ	Indicator for Recording Consumption Quantities	
CELEMORD	Proposed Order for Cost Element	
CCTRCELEM	Default Cost Center	
FUNCELEM	Functional Area	
UOMCELEM	Unit of Measure for Consolidation	

Cost Element



Cost Element

Cost Element Hierarchy



Cost Element Hierarchy

Entity type: Financial Statement Item (FSI)

This entity type corresponds to the consolidation item in the group chart of accounts of a consolidation system. The item is the hierarchy-defining object.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FSI	Item	Item
FSIBSIGN	+/- Sign	+/-
ACCTYP	Account Type	FI-GL: Balance sheet or P&L statement account
ACCGRPFSI	Account Group	FI-GL: Input help for G/L account group from Customizing
FSIFBLCRE	Creation Block	Indicator
FSIFBLPLA	Planning Block	Indicator

Technical Name	Attribute	Description
FSIFBLPOS	Posting Block	Indicator
FSIFDEL	Deletion Indicator	Indicator
FSINWFCSI	New Group Account	Input help for items serving as integrated documentation in case the item is blocked
FSIRESPP	Person Responsible	User text field for name
FSIRESPU	User Responsible	Input help for user name from user management
FSISTAT	Statistical Indicator	Indicator
BDCFSI	Breakdown Category	EC-CS & SEM-BCS: Input help for breakdown category
SUBMPFSI	Cause for Submission	Input help for cause for submission
FSIELCFSI	Elimination Item	CPM-BPC: User text field for entering the elimination item
FSICSCAL	Scaling	CPM-BPC: User text field for entering the scaling factor
FSIUSAGE	Where-Applied Indicator	CPM-BPC: User text field for entering the where-applied indicator
DIMFSI	Dimension	CPM-BPC: User text field for entering the dimension
FSICNVID	Automatic Currency Translation	(blank)
FSIDECIM	Decimal Places	(blank)
CURTYPFSI	Currency Translation Method	(blank)
MVMTFSI	Transaction Type Category	(blank)
FSIDESCR	Multiline Description	(blank)
CATEGFSI	Item Category 1	(blank)
SUBCFSI	Item Category 2	(blank)

Entity type: Item Hierarchy (FSIH)

This entity type corresponds to the hierarchy of consolidation items. The item hierarchy itself is not the hierarchy-defining object, but rather the object's name.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FSIH	Item Hierarchy	Item Hierarchy

Entity type: Text Item (FSIT)

You use this entity type to manage text nodes in item hierarchies for the purpose of grouping and documentation. The entity type has no attributes besides the texts themselves. The key relationship indicates that the entity type cannot be used across different item hierarchies.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
FSIH	Item Hierarchy	Item Hierarchy
FSIT	Text Item	Text Item

Entity type: Breakdown Category (BDC)

This entity type is only relevant for SAP EC-CS and SAP SEM-BCS. In those components, you can define breakdown categories and assign financial statement items. The entity type has no further attributes.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
BDC	Breakdown Category	Breakdown Category

The value of the breakdown category results from a lower-level entity type, which contains the subassignments.

Technical Name	Attribute	Description
COA	Chart of Accounts	Chart of Accounts
BDC	Breakdown Category	Breakdown Category
SUBASSIGN	Subassignment	The data element USMDZ1_SUBASSIGN2 determines the set of subassignments.
SUBBDTYPE	Breakdown Type	Selection of a fixed set of breakdown types
SUBFIXVAL	Fixed Value of Subassignment	Input help for individual values of subassignments
BDCSETDEF	Default Set	Input help for sets of subassignments

Technical Name	Attribute	Description
BDCSETMAX	Maximum Set	Input help for sets of subassignments

Entity type: Set (BDCSET)

This entity type is only relevant for SAP EC-CS and SAP SEM-BCS. Within a breakdown category, you can assign standard sets and maximum sets per subassignment. This entity type no further attributes besides the set information with reference to subassignments.

Technical Name	Attribute	Description
BDCSET	Set	Set

Entity type: Transaction Type (TRANSTYPE)

This entity type is only relevant for SAP EC-CS and SAP SEM-BCS. This entity type corresponds to the subassignment with the same name.

Technical Name	Attribute	Description
TRANSTYPE	Transaction Type	Transaction Type
TTYPBLOCK	Block Posting and Data Entry	Indicator
TTYPSTGN	+/- Sign	+/-
TRANSTYPC	Acquisition (Transaction Type)	Input help for transaction types
TRANSTYPD	Retirement (Transaction Type)	Input help for transaction types
TRANSTYPF	Carryforward (Transaction Type)	Input help for transaction types

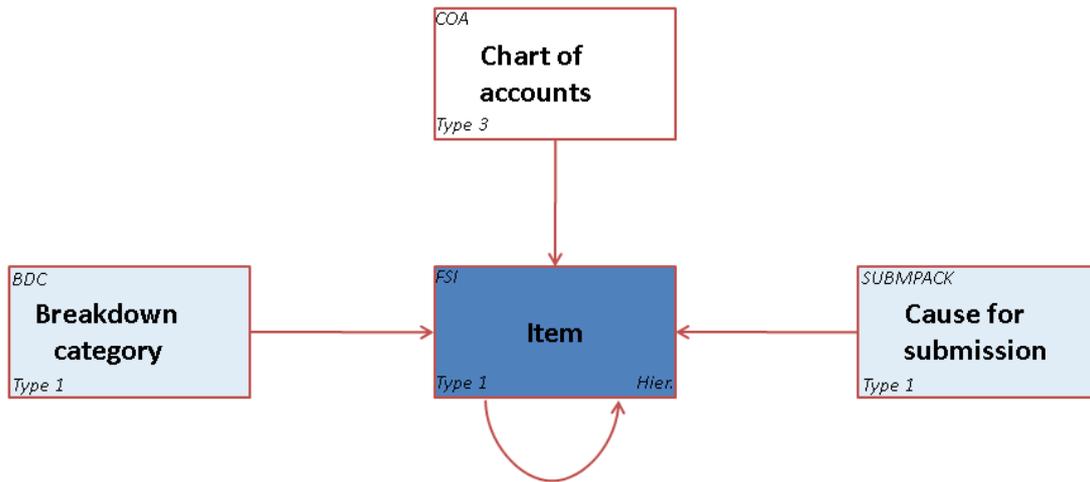
Entity type: Cause for Submission (SUBMPACK)

This entity type has no corresponding object in operational systems and, thus, demonstrates how you can enrich the master data in Master Data Governance for Financials with additional administrative information.

Technical Name	Attribute	Description
SUBMPACK	Cause for Submission	Cause for Submission
SPG01A01	Period - Monthly	indicator regarding the period
SPG01A02	Period - Quarterly	indicator regarding the period
SPG01A03	Period - Yearly	indicator regarding the period
SPG02A01	Version - Preliminary Notification	indicator regarding the version
SPG02A02	Version - Main Notification	indicator regarding the version

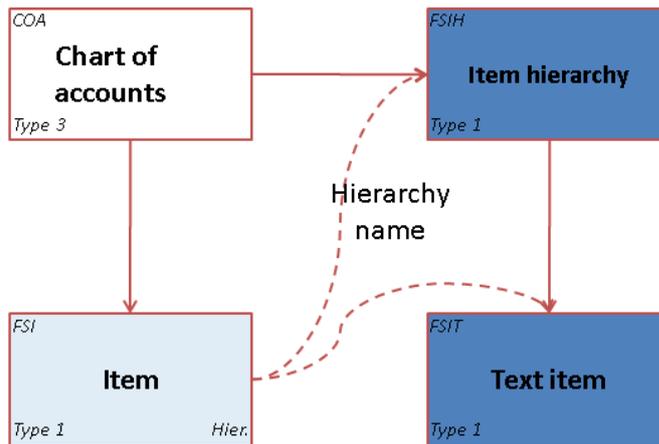
Technical Name	Attribute	Description
SPG02A03	Version - Revision 1	indicator regarding the version
SPG02A04	Version - Revision 2	indicator regarding the version
SPG03A01	Cause for Notification - Plan	indicator regarding the cause for notification
SPG03A02	Cause for Notification - Budget	indicator regarding the cause for notification
SPG03A03	Cause for Notification - Forecast	indicator regarding the cause for notification
SPG03A04	Cause for Notification - Actual	indicator regarding the cause for notification
SPG04A01	Data Origin - Manual Entry	indicator regarding the origin of the data
SPG04A02	Data Origin - Upload	indicator regarding the origin of the data
SPG04A03	Data Origin - Interface	indicator regarding the origin of the data

Consolidation: Chart of Accounts



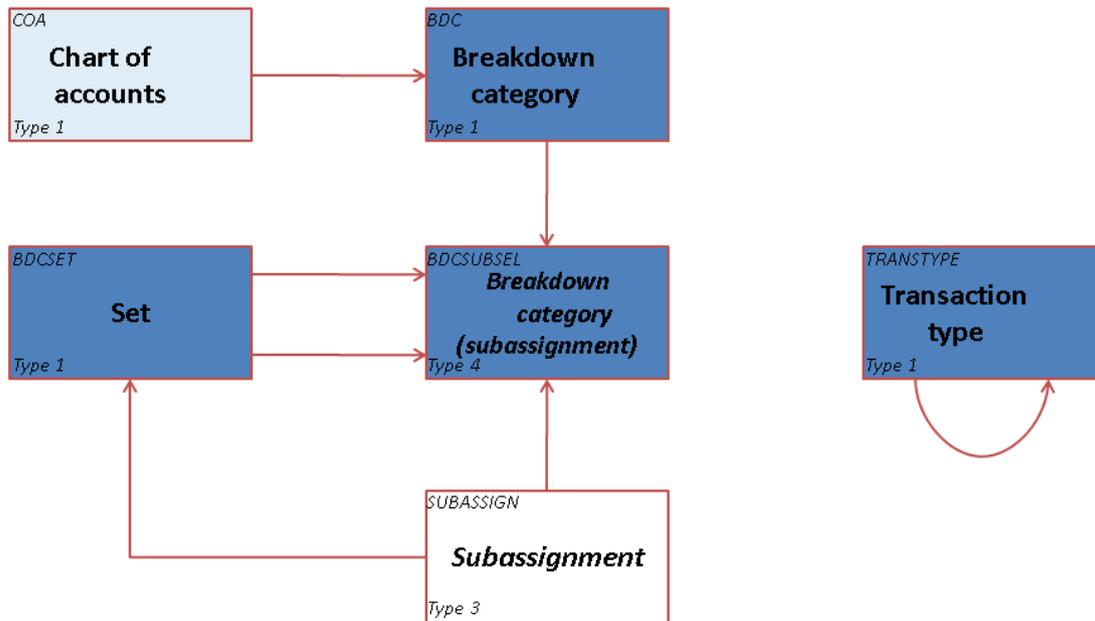
Consolidation: Chart of Accounts

Item Hierarchy



Item Hierarchy

Breakdown Category



Breakdown Category

Entity type: Cost Center (CCTR)

This entity type corresponds to the cost center in the component CO-OM-CCA and can be maintained in transaction KS02.

Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
CCTR	Cost Center	Cost Center
CCTRBAREA	Business Area	Input help for business areas from Customizing
CCTRCGY	Cost Center Category	Input help for cost center categories from Customizing
CCTRDEPT	Department	User text field
CURRCCTR	Currency Key	Input help for currency key from Customizing

Technical Name	Attribute	Description
FUNCCCTR	Functional Area	Input help for functional areas from Customizing
PTRCCTR	Profit Center	Input help for the assigned profit center
CCODECCTR	Company Code	Input help for company code from Customizing
CCTRXXJCD	Tax Jurisdiction	Input help for tax jurisdictions from Customizing
CCTRLSYS	Logical System	Input help for logical systems from Customizing
CCTRQTYRQ	Indicator for Recording Consumption Quantities	Indicator
CCTRLKAPP	Lock Indicator for Actual Primary Postings	Indicator
CCTRLKARP	Lock Indicator for Actual Revenue Postings	Indicator
CCTRLKASC	Lock Indicator for Actual Secondary Postings	Indicator
CCTRLKCUP	Lock Indicator for Commitment Update	Indicator
CCTRLKPPC	Lock Indicator for Plan Primary Costs	Indicator
CCTRLKPRV	Lock Indicator for Planning Revenues	Indicator
CCTRLKPSC	Lock Indicator for Plan Secondary Costs	Indicator
CCTRRESPP	Person Responsible	User text field for name
CCTRRESPU	User Responsible	Input help for user name from user management
CCTRCCTRN	New Cost Center	Input help for cost centers serving as integrated documentation in case the cost center is blocked

Entity type: Cost Center Group (CCTRG)

This entity type corresponds to the cost center group in CO-OM-CCA. The entity type is the hierarchy-defining object. Cost center groups have no further attributes besides the key.

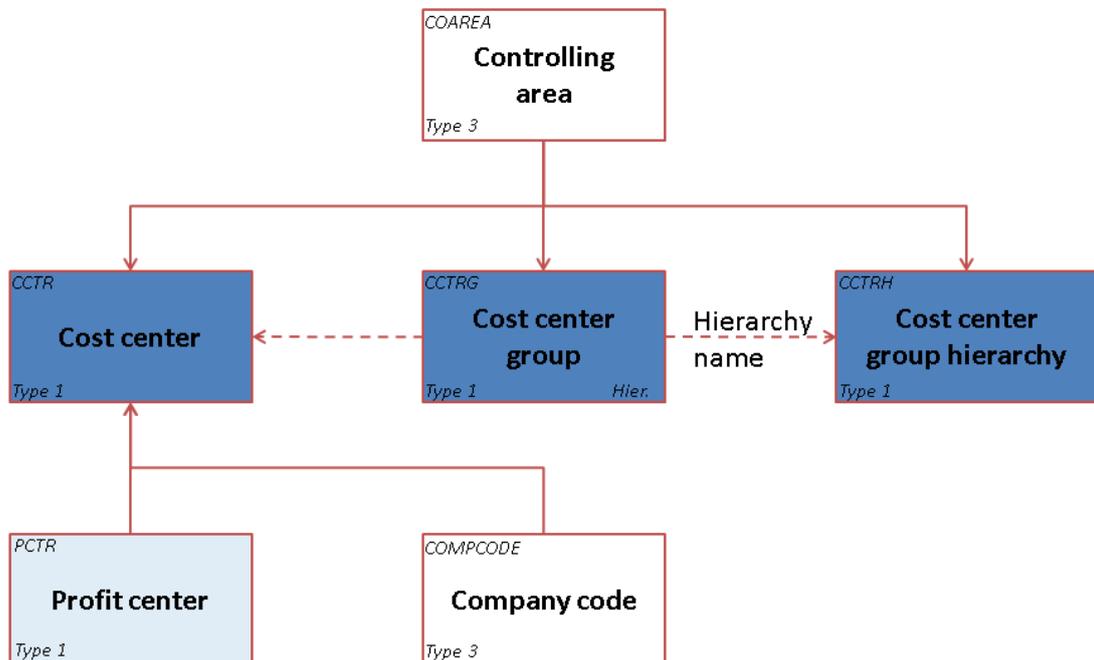
Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
CCTRG	Cost Center Group	Cost Center Group

Entity type: Cost Center Hierarchy (CCTRH)

This entity type corresponds to the hierarchy of cost center groups. The cost center hierarchy itself is not the hierarchy-defining object, but rather the object's name. Cost center hierarchies have no further attributes besides the key.

Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
CCTRH	Cost Center Hierarchy	Cost Center Hierarchy

Cost Center



Cost Center

Entity type: Profit Center (PCTR)

This entity type corresponds to the profit center in the component EC-PCA and can be maintained in transaction KE52.

Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
PCTR	Profit Center	Profit Center
PCTRCCALL	Postable in All Company Codes	Indicator
PCTRDEPT	Department	User text field
PCTRLKIND	Lock Indicator	Indicator
PCTRLSYS	Logical System	Input help for logical systems from Customizing
PCTRSEG	Segment for Segment Reporting	Input help for business segments from Customizing
PCTRTRXJCD	Tax Jurisdiction	Input help for tax jurisdictions from Customizing
PCTRRESPP	Person Responsible	User text field for name
PCTRRESPU	User Responsible	Input help for user name from user management
PCTRPCTRN	New Profit Center	Input help for profit centers serving as integrated documentation in case the profit center is blocked

If the [Postable in All Company Codes](#) indicator is not selected, you can select individual company codes in a table. This mapping table is modeled using another entity type.

Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
PCTR	Profit Center	Profit Center
COMP CODE	Company Code	Company Code
PCTRCCASS	Assignment Indicator	Indicator for the assignment of the company code to the profit center

Entity type: Profit Center Group (PCTRG)

This entity type corresponds to the profit center group in the EC-PCA component. The entity type is the hierarchy-defining object. Profit center groups have no further attributes besides the key.

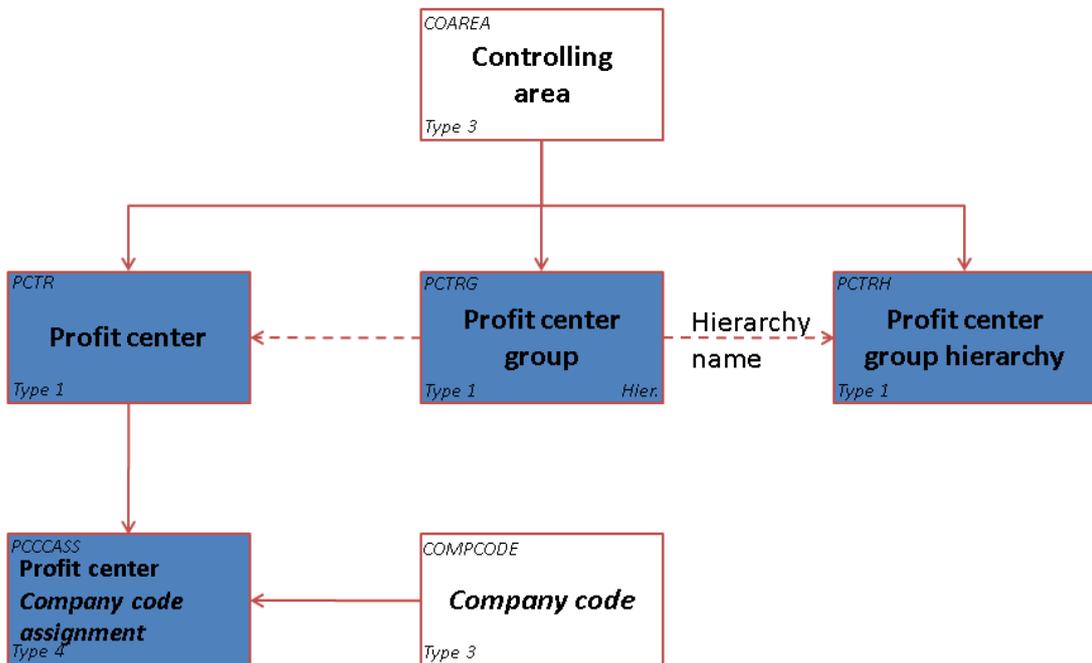
Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
PCTRH	Profit Center Group	Profit Center Group

Entity type: Profit Center Hierarchy (PCTRH)

This entity type corresponds to the hierarchy of profit center groups. The profit center hierarchy itself is not the hierarchy-defining object, but rather the object's name. Profit center hierarchies have no further attributes besides the key.

Technical Name	Attribute	Description
COAREA	Controlling Area	Controlling Area
PCTRG	Profit Center Hierarchy	Profit Center Hierarchy

Profit Center



Profit Center

Entity type: Company (COMPANY)

This entity type corresponds to the company in the FI component.

Technical Name	Attribute	Description
COMPANY	Company	Company
CCODCOMP	Master Data of Company Code	Input help for company code from Customizing
CURRCOMP	Currency Key	Input help for currency key from Customizing
LANGCOMP	Language Key	Input help for the language key from Customizing
STREET	Street	User text field, including input help for the street address
HOUSE_NR1	House Number	User text field, including input help for the house number
POST_COD1	Postal Code	User text field, including input help for the postal (zip) code
CITY1	City	User text field, including input help for the city
COUNTRY	Country	Input help for countries from Customizing

Entity type: Consolidation Characteristic (CONSCHAR)

This entity type is a technical entity type and is relevant for SAP EC-CS and SAP SEM-BCS. It is superordinate to the entity types consolidation unit, consolidation group, and consolidation hierarchy. Its attributes are inherited by the lower-level entity types.

Technical Name	Attribute	Description
CONSCHAR	Consolidation Characteristic	Consolidation Characteristic

Entity type: Consolidation Unit (CONSUNIT)

This entity type corresponds to the consolidation unit in SAP SEM-BCS and SAP EC-CS. It can represent a company or a profit center.

Technical Name	Attribute	Description
CCHARSCOP	Type of Consolidation Unit	Consolidation Characteristic
CONSUNIT	Consolidation Unit	Consolidation Unit

Technical Name	Attribute	Description
COMPUCU	Company	A company needs to be assigned here if the higher-level consolidation characteristic is set to <i>Company</i> .
CACU	Controlling Area	A controlling area needs to be assigned here if the higher-level consolidation characteristic is set to <i>Profit Center</i> .
PCTRCU	Profit Center	A profit center needs to be assigned here if the higher-level consolidation characteristic is set to <i>Profit Center</i> .
CU1STDEY	Year of First Data Entry	User text field for year of first data entry
CU1STDEP	Period of First Data Entry	User text field for period of first data entry
CUFISCYV	Fiscal Year Variant	Input help for fiscal year variants from Customizing
CUTAXRATE	Deferred Taxes: Tax Rate	User text field for the tax rate for deferred taxes
CUDESC1		
CUDESC2		
ICCONU	IC Cons Unit ID	
ICCONUFLG	Indicator: IC Cons Unit ID	
SCALFACTR	Scaling Factor	
CUTCU	Type of Consolidation Unit	
CCCU	Currency Translation Type	
CURRCU	Currency	
DIVCU	Division	
MUCU	Managerial Unit	

In hierarchy maintenance, you can define hierarchy attributes for the interfaces between consolidation units and consolidation groups.

Technical Name	Attribute	Description
CONCHAR	Consolidation Characteristic	Consolidation Characteristic
CGHU1STCE	First Consolidation at End of Period	Indicator
CGHU1STCY	Year of First Consolidation	User text field for year of first consolidation
CGHU1STCP	Period of First Consolidation	User text field for period of first consolidation
CGHUDIVAY	Year of Divestiture Accounting	User text field for year of divestiture accounting
CGHUDIVAP	Period of Divestiture Accounting	User text field for period of divestiture accounting
CGHUCHBOP	Method Change at Beginning of Period	Selection from a fixed set of values
CGHUDIVBA	Divestiture Accounting at Beginning of Period	Indicator
CGHUMETHD	Consolidation Method	User text field for consolidation method
CGHUPARNT	Parent Unit	Indicator

Entity type: Consolidation Group (CONSGRP)

This entity type corresponds to the consolidation group in SAP SEM-BCS and SAP EC-CS. The entity type can represent a group of companies or a group of profit centers. The consolidation group is the hierarchy-defining object.

Technical Name	Attribute	Description
CONCHAR	Consolidation Characteristic	Consolidation Characteristic
CONSGRP	Consolidation Group	Consolidation Group
CONSUNIT	Consolidation Unit	Input help for consolidation units as a direct assignment to a hierarchy node
CGDESC1	Multiline Description	
CGDESC2	Multiline Description	
CUENDNODE	Multiline Description	

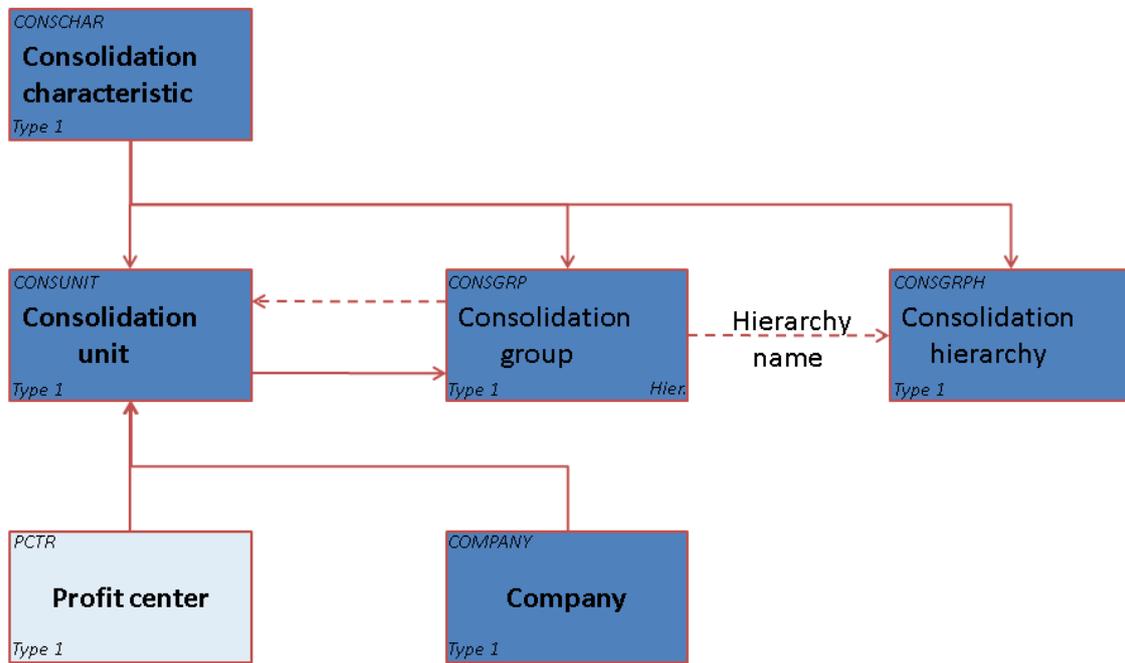
Entity type: Consolidation Hierarchy (CONSGRPH)

This entity type corresponds to the consolidation hierarchy in SAP SEM-BCS and SAP EC-CS. It can represent a hierarchy of companies or a hierarchy of profit centers. The consolidation hierarchy itself is not the hierarchy-

defining object, but rather the object's name. Consolidation hierarchies have no further attributes besides the key.

Technical Name	Attribute	Description
CONSCHAR	Consolidation Characteristic	Consolidation Characteristic
CONSGRPH	Consolidation Hierarchy	Consolidation Hierarchy

Consolidation Unit



Consolidation Unit

3 Configuring the SOA Manager for Master Data Governance for Financials NW 731

Use

This document describes the configuration steps required to enable the exchange of financial data. The configuration uses point-to-point enterprise services communication without a process integration (PI) system. The MDG hub 6.1 is installed on NetWeaver 7.31.

Prerequisites

The following prerequisites must be performed in both the MDG hub and target systems.

Authorizations

Assign the administrative role `SAP_BC_WEBSERVICE_ADMIN_TEC` for the SOA Manager.

Authorize the following transactions:

- `SU01`
- `SUIM`
- `PFCG`

Service Users in ABAP Stack

To create a service user, carry out the following steps:

1. Choose transaction `SU01`, choose *Create*, and enter a user.
2. On the *Roles* tab, assign the role `SAP_BC_WEBSERVICE_ADMIN_TEC`.

Business Functions

Check if the business function `FND_SOA_REUSE_1` is active.

i Note

Activate the business function from transaction `SFW5`. By activating the business function, you can use the following cross-application tool improvements that facilitate the use of services:

- SOA mapping tool
- Error handling
- Point-to-point enablement for asynchronous enterprise services

For replication to an ERP system, activate the business function `FIN_MDM_SOA_ORG` in the MDG target system. For replication to an ERP system with SEM-BCS installed, activate the business function `FIN_MDM_SOA_CU` in the MDG target system.

Maintain Transport Request for Inbound Service

1. Assign a transport request for an inbound service by running the Customizing activity in the MDG target system under ►► [Cross-Application Components](#) ► [Processes and Tools for Enterprise Applications](#) ► [Master Data Governance](#) ► [Master Data Governance for Financials](#) ► [Replication](#) ► [Enterprise Services](#) ► [Inbound Services for Financials Master Data](#) ► [Manage Transport Requests](#) ►. If the Customizing activity is not available in the client, open transaction SM34 and enter the view cluster VC_TRN_REG_RQST. Choose [Maintain](#).
2. Enter the application FINMDM_DATA_REPLICATION and choose [Continue](#).
3. Enter the groups FINMDM_DATA_COMPANY_RPLCTN and FINMDM_DATA_REPLICATION_GRP and mark both as automatic.
4. Afterwards, add a Customizing transport to each group. If necessary, create a transport with transaction SE09 beforehand.

In an ERP system with SEM-BCS installed, perform the same steps, but use the application SEM_BW_INBOUND and the groups SEM_BW_INBOUND_ITEM and SEM_BW_INBOUND_REPUNIT_EHP6.

Support for Point-to-Point Communication

To activate the support for point-to-point communication, run the Customizing activity under ►► [Cross-Application Components](#) ► [Processes and Tools for Enterprise Applications](#) ► [Enterprise Services](#) ► [Point-to-Point Enablement for Asynchronous Enterprise Services](#) ► [Activate Support for Point2Point Communication](#) ►.

Connection to System Landscape Directory

Check whether the hub and target systems are connected to the system landscape directory (SLD) or the BAdI MDG_IDM_GET_LCL_SYSTEM is implemented to determine the local system ID. For more information, see Customizing for [Master Data Governance](#) under ►► [General Settings](#) ► [Data Replication](#) ► [Define Custom Settings for Data Replication](#) ► [Define Technical Settings](#) ► [BAdI: Determination of Local System Name](#) ►.

Error and Conflict Handler

To activate the error and conflict handler, run the Customizing activity under ►► [Cross-Application Components](#) ► [General Application Functions](#) ► [Error and Conflict Handler](#) ► [Activate Error and Conflict Handler](#) ►.

Procedure

The following steps are required to configure the SOA Manager for MDG-F (transaction SOAMANAGER) and must be performed in both the MDG hub and MDG target systems.

Configure a Profile For Point-To-Point Communication

1. On the [Technical Administration](#) tab, choose [Profiles](#).
2. Choose [Create Profiles](#), enter the name **MDG** and description and choose [Next](#).

Note

The profile names should be identical in the SOA manager settings for both MDG hub and target systems.

3. Mark [User ID/Password](#) and choose [Next](#).
4. If necessary, enter the proxy settings and choose [Finish](#) to save the settings and activate the profile.

Configure the Client Settings

1. On the *Technical Administration* tab, choose *SAP Client Settings* and then choose *Edit*.
2. Enter a business system and a business system ID in the form: **XYZ_001**, where **XYZ** is the system ID and **001** is the client.
3. To receive the business application ID from the system landscape directory (SLD), choose *Get from SLD*.
4. Save your entries.

Configure a Provider System for the Business Scenario Configuration

1. On the *Technical Administration* tab, choose *Provider Systems*, then choose *Create*. Enter the system ID of the client system as the name, for example **XYZ_001**, select the profile name defined in step 1, and choose *Next*.
2. Enter the SLD identifier in the following form:
<Client> . SystemName . <ABC> . SystemNumber . <InstallationNumber> . SystemHome . <Host> , for example, 416 . SystemName . QV6 . SystemNumber . 0020270862 . SystemHome . uxdbqv6 .

i Note

The system number can be found under ► *System* ► *Status* ► *SAP System Data* ► *Installation Number* ►.

Similarly, the system home can be found under ► *System* ► *Status* ► *Database Data* ► *Host* ►.

3. Enter the access URL for WSIL and logon information under *WSIL Services*.

i Note

To identify the host name and port for the access URL, call transaction *SMICM* and choose ► *Goto* ► *Services* ►. Use the HTTPS host name and port displayed in the list. We recommend that you use the message server host.

4. Enter the user for WSDL and a password for the WSDL documents.
5. Enter the service user that you have created in the backend system.
6. Maintain the business application ID. The business application ID can be found in the counterpart system in the transaction *SOAMANAGER* under ► *Technical Administration* ► *SAP Client Settings* ►
 1. Choose *Create* to maintain a business application ID in the MDG hub system.
 2. Enter an application name and description, for example `sap.com/BusinessApplicationABAP`.
 3. Enter the business application ID.
 4. Choose *Finish* to save and activate the system connection.

Edit Logon Data for Business Scenario

i Note

The backend user has to exist in both systems.

1. On the *Service Administration* tab, choose *Logon Data Management*.
2. On the *Maintenance* tab, choose *Create*, enter your data, and choose *Next*.
3. Select **User / Password** or **X.509** as the authentication method.
4. Enter the user name that you created earlier in the backend system and choose *Finish*.

Assign Logon Data to Business Operation

1. On the *Service Administration* tab, choose *Logon Data Management*.
2. Under the *Assignments* tab, choose *Create*.
3. Use the input help to select a provider system/business application and choose *Next*.
4. Select the user name you entered in step 4 as logon data from the dropdown list and choose *Finish*.

Configure System for Point-To-Point Communication using Service Groups

Service definitions and service groups that you configure to run SOA communications with SEM-BCS are shown in separate tables.

1. Create a business scenario in the MDG hub system.
 1. On the *Service Administration* tab, choose *Business Scenario Configuration*.
 2. Choose *Create*, provide a name and a description for the business scenario and choose *Next*.
2. Select service definitions and assign a profile.
 1. Choose *Add* to search for the service definition.
 2. In the dialog box, search for the service definition CHARTOFACCOUNTSREPLICATIONCONF, select it in the result list and choose *Add to Worklist*.
 3. Similarly, search for all required service definitions and add them to the worklist:

Service Definition (Internal Name)	Description
CHARTOFACCOUNTSREPLICATIONCONF	Confirmation of Chart of Accounts Replication
FINANCIALREPORTINGSTRUCTUREREPL	Confirmation of Financial Reporting Structure Replication
GENERALLEDGERACCOUNTMASTERREPL	Bulk Confirmation of General Ledger Account Master Replication
COMPANYREPLICATIONBULKCONFIRMA	Bulk Confirmation for Company Replication
COSTCENTREREPLICATIONBULKCONF I	Bulk Confirmation for Cost Center Replication
PROFITCENTREREPLICATIONBULKCON	Bulk Confirmation for Profit Center Replication
COSTCENTREGROUPHIERARCHYREPLIC	Confirmation for Cost Center Group Hierarchy Replication
PROFITCENTREGROUPHIERARCHYREPL	Confirmation for Profit Center Group Hierarchy Replication
COSTELEMENTREPLICATIONBULKCONF	Bulk confirmation for cost element replication
COSTELEMENTGROUPHIERARCHYREPL1	Confirmation for cost element group hierarchy replication

Service definitions for replication to a SEM-BCS system:

Service Definition (Internal Name)	Description
CHARTOFACCOUNTSREPLICATIONCONF	Confirmation of Chart of Accounts Replication
FINANCIALREPORTINGSTRUCTUREREP	Confirmation of Financial Reporting Structure Replication
FINANCIALCONSOLIDATIONELEMENTR	Bulk confirmation for replication of Financial Consolidation Element
FINANCIALCONSOLIDATIONSTRUCTUR	Confirmation for replication of Financial Consolidation Structure

3. Assign profile to service definitions:
 1. Select all service definitions from the list and choose [Assign Profile](#).
 2. Select the profile MDG, choose [Assign Profile](#) and choose [Next](#).
4. Select service groups and assign business applications in the provider system:
 1. Choose [Add](#) to search for the service group.
 2. Enter the service group USMD_CHARTOFACCRPLCTNRQ_V1, select it in the result list and choose [Add to Worklist](#).
 3. Repeat the procedure for all required service groups:

Service Group (Internal Name)	Description
USMD_CHARTOFACCRPLCTNRQ_V1	Chart of Account Replication for Version 1
USMD_FINREPSTRUCTRPLCTNRQ	Service Group for Outbound FinancialReportingStructureReplicationRequest
USMD_GENLEDACCMRPLCTNRQ	Service Group for Outbound GeneralLedgerAccountMasterReplicationBulkRequest
USMD_COMPANYRPLCTNRQ	Service Group for Outbound CompanyReplicationBulkRequest
USMD_COSTCTRPLCTNRQ	Service Group for Outbound CostCentreReplicationBulkRequest
USMD_PROFITCTRPLCTNRQ	Service Group for Outbound ProfitCentreReplicationBulkRequest
USMD_COSTCTRGRPHIRPLCTNRQ	Service Group for Outbound CostCentreGroupHierarchyReplicationRequest
USMD_PRFCTRGRPHIRPLCTNRQ	Service Group for Outbound ProfitCentreGroupHierarchyReplicationRequest

Service Group (Internal Name)	Description
USMD_COSTELMTRPLCTNBRQ	Service Group for Outbound CostElementReplicationBulk-Request
USMD_COSTELMNTGRPHIRPLCTNRQ	Service Group for CostCentreGroupHierarchyReplication-Request

Service groups for replication to an SEM-BCS system:

Service Group (Internal Name)	Description
USMD_CHARTOFACCRPLCTNRQ_V1	Chart of Account Replication for Version 1
USMD_FINREPSTRUCTRPLCTNRQ	Service Group for Outbound FinancialReportingStructureReplicationRequest
USMD_FINCSELMNTRPLCTNBRQ	Service Group for Outbound FinancialConsolidationElementReplicationBulkReq
USMD_FINCNSSTRUCTRPLCTNRQ	Service Group for Outbound FinancialConsolidationStructureReplicationReq

5. Assign a business application to the service groups:
 1. Select all service groups from the list and assign them to the business application by choosing [Assign Business Application](#).
 2. Select the provider system and the assigned business application name from the list and choose [Assign to Service Group](#).
 3. Choose [Finish](#).
6. Define the business scenario for the target system, but do not activate the business scenario immediately.

To create a business scenario in the MDG target system, carry out the following steps:

1. Create a business scenario in the MDG target system.
 1. On the [Service Administration](#) tab, choose [Business Scenario Configuration](#).
 2. Choose [Create](#), provide a name and a description for the business scenario and choose [Next](#).
2. Select service definitions and assign a profile.
 1. Choose [Add](#) to search for a service definition.
 2. In the dialog box, search for the service definition CHARTOFACCOUNTSREPLICATIONREQ1, select it in the result list and choose [Add to Worklist](#).
 3. Similarly, search for all service definitions and add them to the worklist:

Service Definition (Internal Name)	Description
CHARTOFACCOUNTSREPLICATIONREQ1	Replication request for chart of accounts – version 1
FINANCIALREPORTINGSTRUCTURERE1	Replication request for financial reporting structure

Service Definition (Internal Name)	Description
GENERALLEDGERACCOUNTMASTERREP1	Replication bulk request for general ledger account master data
COMPANYREPLICATIONBULKREQUEST_	Bulk replication request for company
COSTCENTREREPLICATIONBULKRQ	Bulk replication request for cost center
PROFITCENTREREPLICATIONBULKREQ	Bulk replication request for profit center
COSTCENTREGROUPHIERARCHYREPLRQ	Replication request for cost center group hierarchy
PROFITCENTREGROUPHIERARCHYREP1	Replication request for profit center group hierarchy
COSTELEMENTREPLICATIONBULKREQU	Bulk replication request for cost element
COSTELEMENTGROUPHRYREPLRQ	Replication request for cost element group hierarchy

Service definitions for replication to an SEM-BCS system:

Service Definition (Internal Name)	Description
CHARTOFACCOUNTSREPLICATIONV1RQ	Replication request for chart of accounts
FINREPORTINGSTRUCREPLICATIONRQ	Replication request for financial reporting structure
FINANCIALCONSOLIDATIONELMNTBRQ	Bulk replication request for Financial Consolidation Element
FINANCIALCONSOLIDATIONSTRUCTRQ	Replication request for Financial Consolidation Structure

3. To assign a profile to the service definitions in the MDG target system, carry out the previous steps for the MDG hub.
4. Select *Service Groups* and *Assign Business Applications* in the provider system service group:
 1. Choose *Add* to search for the service group.
 2. Enter the service group FBS_CHTACCTSRPLCTNCO, select it in the result list, and choose *Add to Worklist*.
 3. Repeat the procedure for all required service groups.

Service Group (Internal Name)	Description
FBS_CHTACCTSRPLCTNCO	Confirmation of chart of accounts replication
FBS_FINRPTGSTRUCCO	Confirmation about replication of financial reporting structure

Service Group (Internal Name)	Description
FBS_GLACCTMSTRRPLCTNRCO	Bulk confirmation of general ledger account master replication
FBS_COMPANYRPLCTNBCO	Bulk confirmation for company replication
KBAS_CO_COST_CENTRE_RPLCN	Bulk confirmation for cost center replication
KE1_PRCTRPLCTN_SG	Bulk confirmation for profit center replication
KBAS_CO_CCGROUP_RPLCN	Confirmation for cost center group hierarchy replication
KE1_PRCTRGRP_SG	Confirmation for profit center group hierarchy replication
KBAS_CO_COSTELEMNT_RPLCN	Bulk confirmation for cost element replication
KBAS_CO_CELGROUP_RPLCN	Confirmation for cost element group hierarchy replication

Service groups for replication to an SEM-BCS system:

Service Group (Internal Name)	Description
UC0_CHARTOFACCRPLCTNCO	Confirmation about Replication of Chart of Accounts
UC0_FINREPSTRUCTRPLCTNCO	Confirmation about Replication of Financial Reporting Structure
UC0_FINCNSELMNTRPLCTNBCO	UC0_FINCNSELMNTRPLCTNBCO
UC0_FINCNSSTRUCTRPLCTNCO	UC0_FINCNSSTRUCTRPLCTNCO

5. To assign a business application in the MDG target system, carry out the previous steps for the MDG hub.
6. Activate the business scenario in the target:
 1. Choose [Yes](#) to activate the business scenario immediately.
 2. Choose [Process List](#) to execute all pending tasks.

To activate the logical ports in the MDG target system, you must first process any pending tasks in the MDG hub. This activates the business scenario in the MDG hub. You must then process all pending tasks in the target system. This activates the logical ports.

Define Business Systems

In the MDG hub client, create a business system for each target system:

1. Enter transaction MDGIMG.
2. Navigate to [General Settings](#) [Data Replication](#) [Define Custom Settings for Data Replication](#) [Define Technical Settings](#) [Define Technical Settings for Business Systems](#).
3. Choose the pushbutton [New Entries](#).
4. Set the values for business system, logical system, and RFC destination for each client of the target system, for example, QM8_410; QM8CLNT410; QM8CLNT410.

5. Mark the line of the newly defined business system and select the folder *Define Bus. Systems, Bos.* Enter all required business object types:

Business Object Type	Description
154	Company
158	Cost Center
229	Profit Center
892	General Ledger Account Master
897	Cost Center Group Hierarchy
898	Profit Center Group Hierarchy
899	Financial Accounting Chart of Accounts
901	Financial Accounting Financial Reporting Structure
983	Cost Element
985	Cost Element Group Hierarchy

The following are the business object types for replication to an SEM-BCS system:

Business Object Type	Description
893	Financial Consolidation Element
894	Financial Consolidation Structure
900	Financial Consolidation Chart of Accounts
902	Financial Consolidation Financial Reporting Structure
904	Financial Consolidation Group
905	Financial Consolidation Unit

Repeat this step for all business systems defined for SOA replication in step 4.

6. For each business system with a defined business object, choose the folder *Define Bus. Systems, BOs, Communication Channel.* Choose the pushbutton *New Entries* and select the communication channel **1 Replication via Services**. Repeat this for all defined business object types.
7. Save your entries.

Create Replication Models

After the point-to-point communication has been defined in SOAMANAGER, create the replication models as follows:

1. Enter transaction MDGIMG.
2. Navigate to **General Settings** > **Data Replication** > **Define Custom Settings for Data Replication** > **Define Replication Models**.
3. Choose the pushbutton **New Entries** and enter a replication model for each object type as described in the following table:

Replication Model	Description	Log Days	Data Model
SOA_ACC	Replication model for Account (SOA)	1	OG
SOA_CCTRH	Replication model for Cost Center Group Hierarchy (SOA)	1	OG
SOA_CELE	Replication model for Cost Element (SOA)	1	OG
SOA_CELEH	Replication model for Cost Element Group Hierarchy (SOA)	1	OG
SOA_COA	Replication model for Chart of Account (SOA)	1	OG
SOA_COMP	Replication model for Company (SOA)	1	OG
SOA_COST	Replication model for Cost Centre (SOA)	1	OG
SOA_FRS	Replication model for Financial Reporting Structure (SOA)	1	OG
SOA_PCTH	Replication model for Profit Center Group Hierarchy (SOA)	1	OG
SOA_PCTR	Replication model for Profit Center (SOA)	1	OG

Replication models for replication to a SEM-BCS system:

Replication Model	Description	Log Days	Data Model
SOA_FSI	Replication model for Fin. Cons. Structure Item (SOA))	1	OG
SOA_FCFRS	Replication model for Fin. Cons. Fin. Rep. Structure (SOA)	1	OG
SOA_CONSGU	Replication model for Financial Cons. Group & Unit (SOA)	1	OG
SOA_FCS	Replication model for Fin. Consolidation Structure (SOA)	1	OG

4. For each defined replication model, mark the line of the replication model and select folder [Assign Outbound Implementation](#). Choose the pushbutton [New Entries](#). Assign one outbound implementation to each replication model as described in the following table:

Replication Model	Outbound Implementation	Description
SOA_ACC	1010	General Ledger Account Master
SOA_CCTRH	1110	Cost Centre Group Hierarchy
SOA_CELE	1180	Cost Element
SOA_CELEH	1190	Cost Element Group Hierarchy
SOA_COA	1000_V1	Financial Accounting Chart of Accounts
SOA_COMP	1140	Company
SOA_COST	1100	Cost Centre
SOA_FRS	1020	Financial Accounting Reporting Structure
SOA_PCTH	1130	Profit Centre Group Hierarchy
SOA_PCTR	1120	Profit Centre

Outbound implementations for replication to a SEM-BCS system:

Replication Model	Outbound Implementation	Description
SOA_FSI	1001_V1	Financial Consolidation Chart of Accounts
SOA_FCFRS	1021	Financial Consolidation Reporting Structure
SOA_CONSGU	1160	Financial Consolidation Group
	1150	Financial Consolidation Unit
SOA_FCS	1170	Financial Consolidation Structure

- For each outbound implementation you have described in step 4, mark the line of the implementation and select the folder *Assign Target Systems for Repl. Model /Outb.Impl.* Choose the pushbutton *New Entries*. Assign all business systems with the ERP clients of the target systems.
- Save your entries.

Define Package Size for Bulk Messages

To improve performance, an outbound parameter can be set to bundle outgoing messages. You can add the outbound parameter `PACK_SIZE_BULK` with the value 100 for SOA replication for the objects cost element, account, cost center, company, and profit center, and for the IDoc replication for the objects cost element, cost center, and profit center. Define the same parameter for consolidation objects of type consolidation group and unit.

Activate Replication Models

You activate the defined replication models as follows:

- Call transaction `MDGIMG`.
- Navigate to **General Settings > Data Replication > Define Custom Settings for Data Replication > Define Replication Models**.
- In the table of replication models, mark all previously defined replication models.
- Choose *Activate* and check the log for error messages. Successful activation is indicated with a checkmark in the *Active* column.

Check the log and make sure that all selected replication models have been activated successfully.

Result

You have configured the financial data for SOA manager using enterprise services.

More Information

[Configuring Master Data Governance for Financials \[page 3\]](#)

4 Configuring ALE for Master Data Governance for Financials

Use

This document describes the configuration steps that are required to enable the exchange of financial data using Application Link Enabling (ALE) for MDG-F.

Prerequisites

Set Up RFC Connections

Set up RFC connections in the MDG hub and MDG target systems:

1. Run transaction `SM59` (configuration of RFC connections) and provide the required RFC destination details.
2. Define the logical systems in Customizing for *SAP NetWeaver*. Run transaction `SALE` and then choose [▶ Basic Settings ▶ Logical Systems ▶ Define Logical System ▶](#). Enter all target systems as logical systems.
3. Run transaction `SALE` and assign the logical system to a client under [▶ Basic Settings ▶ Logical Systems ▶ Assign Logical System to Client ▶](#).

Define Global Company Codes

If the company code is required for your data, you must define the global organizational units for company code. Run this activity in Customizing for *SAP NetWeaver* under [▶ Application Server ▶ IDoc Interface/ Application Link Enabling \(ALE\) ▶ Modelling and Implementing Business Processes ▶ Global Organizational Units ▶ Cross-System Company Codes ▶](#). Create cross-system company codes and map all company codes in use to the defined global company codes.

Define Global Business Areas

If the business area is required for your data, you must define the global organizational units for business areas. Run this activity in Customizing for *SAP NetWeaver* under [▶ Application Server ▶ IDoc Interface/ Application Link Enabling \(ALE\) ▶ Modelling and Implementing Business Processes ▶ Global Organizational Units ▶ Cross-System Business Areas ▶](#). Create cross-system business areas and map all business areas in use to the defined global business areas.

Procedure

The following steps are required to configure ALE for MDG-F (transaction `SALE`) in the MDG hub and MDG target system.

Create a Distribution Model

To create a new distribution model in the MDG hub, carry out the following steps in both systems:

1. Run transaction `SALE` (*Display ALE Customizing*) and choose **► Modelling and Implementing Business Processes ► Maintain Distribution Model and Distribute Views ►**. Alternatively, run transaction `BD64` (*Display Distribution Model*).
2. In editing mode, create a new model. Choose *Create Model View*. Enter a short text and a technical name.
3. Choose *Add Message Type* for the newly created model. Enter the logical sender system and receiver system and add a message type from the following table. Repeat this step for all required IDoc message types. Afterwards, save your entries.

IDoc Message Type	Description
GLMAST	Master data G/L accounts (Master IDoc)
COSMAS	Master cost center
COGRP1	Cost center groups
COELEM	Cost element master data
COGRP2	Cost element groups
PRCMAS	Profit center master record
COGRP6	Profit center groups

4. After you have saved your settings, you need to generate a partner profile. Choose **► Environment ► Generate Partner Profiles ►**. Select the model view you just have saved and enter the target system. Select immediate processing for the output mode and inbound parameter. Choose the pushbutton *Execute*.
5. After you have generated the necessary partner profile, choose **► Edit ► Model view ► Distribute ►** to distribute this model view to your target system.
6. Enter the target system and repeat step 4 to generate partner profiles on the MDG client.

Enhance Distribution Model for Confirmation Message

The configured distribution model needs to be enhanced to send a confirmation message back from the target client to the client of the MDG hub, as follows:

1. Enter the client of the MDG hub and call transaction `SALE`.
2. Goto **► Modelling and Implementing Business Processes ► Maintain Distribution Model and Distribute Views ►**. Mark the distribution model you have generated previously.
3. Select *Environment: Change Partner Profile* from the dropdown list.
4. Open *Partner Type LS* and select the profile of the target system.
5. Choose the pushbutton *Create inbound parameter*.
6. Chose the message type `ALEAUD` and enter the process code `AUD2`. Save your entries.

In the client of the target system, the distribution model also needs to be enhanced, as follows:

1. Enter the client of the target system and call transaction `SALE`.

2. Goto **Communication** > **Maintain Distribution Model and Distribute Views**. Mark the distribution model you have generated previously.
3. Select **Environment: Change Partner Profile** from the dropdown list.
4. Open **Partner Type LS** and select the profile of the source system.
5. Choose the pushbutton **Create outbound parameter**.
6. Chose the message type **ALEAUD**, select the receiver port from the selection list, and enter the value **ALEAUD01** as the basic type.
7. Select **Transfer Idoc Immed.** as the output mode and save your entries.

Define Business Systems

In the client of the MDG hub, a business system for the target client needs to be created as follows:

1. Call transaction **MDGIMG**.
2. Goto **General Settings** > **Data Replication** > **Define Custom Settings for Data Replication** > **Define Technical Settings** > **Define Technical Settings for Business Systems**.
3. Choose the pushbutton **New Entries**.
4. Enter the business system, logical system, and RFC destination for the target client.
5. Mark the line of the newly defined business system and select the folder **Define Bus. Systems, Bos.** Enter all desired business object types:

Business Object Type	Description
158	Cost Center
229	Profit Center
892	General Ledger Account Master
983	Cost Element
984	Cost Element Group
895	Cost Center Group
896	Profit Center Group

6. Mark each business object type and choose the folder **Define Bus. Systems, BOs, Communication Channel**. Choose the pushbutton **New Entries** and select the communication channel **2 Replication via IDoc**. Repeat this for all defined business object types.
7. Save your entries.

Create Replication Models

After the distribution model and the business system have been defined in the client of MDG hub, it is now possible to create a replication model for each IDoc type:

1. Call transaction **MDGIMG**.
2. Goto **General Settings** > **Data Replication** > **Define Custom Settings for Data Replication** > **Define Replication Models**.

3. Choose the pushbutton [New Entries](#) and define a replication model with name, description, and data model 0G for each IDoc type listed.
4. For each defined replication model, mark the line of the replication model and select the folder [Assign Outbound Implementation](#). Choose the pushbutton [New Entries](#). Assign the corresponding outbound implementation to each replication model you have defined:

Outbound Implementation	Description
1012	General Ledger Account Master IDoc
1102	Cost Centre IDoc
1112	Cost Centre Group Hierarchy IDoc
1182	Cost Element IDoc
1192	Cost Element Group Hierarchy IDoc
1122	Profit Centre IDoc
1132	Profit Centre Group Hierarchy IDoc

5. For each outbound implementation you have described in step 4, mark the line of the implementation and select the folder [Assign Target Systems for Repl. Model /Outb.Impl.](#) Choose the pushbutton [New Entries](#). Assign the business system with the ERP client of the target system.
6. Save your entries

Activate Replication Models

Activate the previously defined replication models as follows:

1. Call transaction MDGIMG.
2. Goto [General Settings](#) > [Data Replication](#) > [Define Custom Settings for Data Replication](#) > [Define Replication Models](#).
3. In the table of replication models, mark all replication models you have previously defined.
4. Choose the pushbutton [Activate](#) and check the log for error messages. Successful activation is indicated with a checkmark in the [Active](#) column.
5. Check the log and make sure that all replication models marked have been activated successfully.

Result

You have successfully set up ALE for MDG-F.

More Information

- [Configuring Master Data Governance for Financials \[page 3\]](#)

- [Configuring the SOA Manager for Master Data Governance for Financials \[page 37\]](#)

5 Workflow Template for Financials

The following workflow templates are available for Master Data Governance for Financials:

- [Workflow Template WS72100012 \[page 55\]](#)
- [Workflow Template WS75700027](#)
- [Workflow Template WS75700040 \[page 56\]](#)
- [Workflow Template WS75700043 \[page 57\]](#)

For more information, see [Configuration of the Workflow](#).

5.1 Workflow Template WS72100012

SAP delivers the standard workflow template `ws72100012` for the approval process. This enables you to forward the change request as a work item to the appropriate processors. The status of the change request is automatically updated in the background. The template is mandatory for cost center hierarchy or profit center hierarchy maintenance if the objects are distributed using IDocs to the MDG client systems.

This workflow template consists of the following steps:

1. Start workflow

The workflow is started when a change request is created, for example, by a corporate accountant.

2. Get number of parallel steps

The system determines the number of users or user groups to which the change request needs to be sent.

3. Evaluate change request

A work item is sent to all responsible master data specialists. Each specialist independently evaluates the change request and either agrees or disagrees with it:

- If one or more specialists disagree with the change request, the work item with the change request is sent back for revision to the corporate accountant (→ Step 4).
- If **all** master data specialists agree with the change request, a work item with the change request is sent to the master data manager for consideration and approval (→ Step 5).

4. Revision after rejection

The person responsible for processing the change request when it is rejected, such as the corporate accountant, decides whether to revise the change request:

- If he or she revises the change request, a work item with the change request is again sent to the master data specialists for evaluation (→ Step 3).
- If he or she withdraws the change request, the status of the change request is set to *Final Check Rejected*. If changes have already been made to the master data, these are reset and the workflow is ended (→ Step 10).

5. Consider and approve

The master data manager gets a work item to approve or reject the change request:

- If he or she rejects the change request, a work item with the change request is sent back for revision to the corporate accountant (→ Step 4).

- If he or she approves the change request, a work item with the change request is sent to the master data processor to execute the changes (→ Step 6).
- 6. Execute changes**
The master data processor receives a work item to execute the changes:
 - If he or she is unable to execute the changes, he or she can send the change request back to the corporate accountant. In this case, a work item with the change request is sent to the corporate accountant for revision (→ Step 4).
 - If he or she is able to successfully execute the changes, the changes made to the master data are then checked (→ Step 7).
 - 7. Validate**
The system checks the change request using [validation rules](#) for consistency, and saves the check results in a log. Afterwards, the log is available in the change request.
 - 8. Perform final check**
The master data manager gets a work item to do a final check of the change request. He or she checks the validation results in the log and then either approves or rejects the final check:
 - If he or she rejects the change request, a work item with the change request is sent back for revision to the corporate accountant (→ Step 4).
 - If he or she approves the change request, the system activates the changes. (→ Step 9).
 - 9. Activate changes**
The system activates the master data in the database tables of the modified objects according to the changes entered in step 6.

i Note

The changes are then activated in the central system. When the workflow has been completed, the changes still need to be distributed to the local systems. If a cost center hierarchy or profit center hierarchy has been changed, the system creates MDG change pointers for the affected cost centers or profit centers. After activation, the system triggers the distribution based upon the previously created MDG change pointers. This ensures that both the hierarchies and master data is synchronized in the MDG client system.

- 10. End workflow**
The system ends the workflow.

5.2 Workflow Template WS75700040

SAP delivers the standard workflow template `ws75700040` for the approval process. This enables you to forward the change request as a work item to the appropriate processors. The status of the change request is automatically updated in the background.

This workflow template consists of the following steps:

- 1. Start workflow**
The workflow is started when a change request is created by the user, for example, a corporate accountant.
- 2. Execute changes**

The master data specialist receives a work item to execute the changes:

- If they do not want to execute the changes, they can send the change request back to the corporate accountant. In this case, a work item with the change request is sent to the corporate accountant for revision (→ Step 3).
- If they want to execute the changes, the changes made to the master data are then checked (→ Step 4).

3. Revision after rejection

The person responsible for processing the change request when it is rejected, such as the corporate accountant, decides whether to revise the change request:

- If they revise the change request, a work item with the change request is again sent to the master data specialist for processing (→ Step 2).
- If they withdraw the change request, the status of the change request is set to Final Check Rejected. If changes have already been made to the master data, these are reset and the workflow ends (→ Step 6).

4. Perform final check

The system checks the change request, using [validation rules](#) for consistency, and saves the check results in a log. The master data steward receives a work item to do a final check of the change request. They check the validation results in the log and either approve or reject the final check:

- If they reject the change request, a work item with the change request is sent back for revision to the corporate accountant (→ Step 3).
- If they approve the change request, the system activates the changes (→ Step 5).

5. Activate changes

The system activates the master data in the database tables of the modified objects according to the changes entered in step 4.

i Note

The changes are then activated in the central system. When the workflow has been completed, the changes still need to be distributed to the local systems.

6. End workflow

The system ends the workflow.

5.3 Workflow Template WS75700043

SAP delivers the standard workflow template ws75700043 for the approval process.

This enables you to forward the change request as a work item to the appropriate processors. The status of the change request is automatically updated in the background.

i Note

You define in the Customizing for Financial Master Data Management, under [Workflow/Process Modeling](#) [Assign Processor to Workflow Step \(Advanced Workflow\)](#), whether one or more responsible processors receive a work item in their worklists for the workflow steps, dependent on the entity type (for example, entity type *Account*).

This workflow template consists of the following steps:

1. Start workflow

The workflow is started when a requester creates a change request in the universal worklist in the portal.

2. Determine number of processors for parallel steps

In the next workflow step, the system determines the number of users or user groups to which the change request needs to be sent.

The Customizing for Financial Master Data Management lets you configure the system to do so dependent on the entity type of the objects contained in the object list of the change request, under [Workflow/Process Modeling > Assign Processor to Workflow Step \(Advanced Workflow\)](#).

3. Evaluate change request

The respective processors automatically receive a work item in their universal worklist and evaluate the change request independently of one another. The system then determines the number of approvals and objections:

- If one or more processors objects to the change request, the requester receives an information SAP express mail as soon as all the processors have evaluated the change request (→ step 4).
- If all the processors approve the change request, the processors responsible for the consideration and approval receive a work item in their worklists (→ step 5).

4. (Optional) SAP express mail after objection

The requester receives an SAP express mail in his or her Business Workplace indicating that one or more processors objected to the change request. The employees responsible for the consideration and approval also receive a work item in their worklists (→ step 5).

5. Consider and approve

The respective processors have received a work item in their worklists and consider the change request independently of one another. The system then determines the number of approvals and rejections:

- If one or more processors reject the change request the requester automatically receives an SAP express mail for each rejection (→ step 6).
The change request is then also submitted to a consideration committee, which meets regularly (→ step 7).
- If all the processors approve the change request, the processors responsible for changing the master data receive a work item in their worklists (→ step 9).

6. (Optional) SAP express mail after rejection

The requester receives an SAP express mail in his or her Business Workplace indicating that one or more processors rejected the change request (→ step 7).

7. (Optional) Consider in committee

A committee that meets regularly discusses and considers the change request.

The responsible employee has also received a work item in his or her worklist, documenting the committee's decision in the workflow process:

- If the committee decides that the change request should be deleted, the processor rejects the change request. The requester then receives the work item in his or her universal worklist to cancel the change request (→ step 8).
- If the committee decides that the change request has to be revised, the processor rejects the change request. The requester then receives the work item in his or her universal worklist to revise the change request (→ step 8).
- If the committee approves the change request, the processor approves the change request. The processors responsible for changing the master data then receive a work item in their universal worklists (→ step 9).

8. (Optional) Revision after rejection

The requester has received a work item to process the change request further:

- If the requester revises the change request, a work item with the change request is sent to the processors again for evaluation (→ step 3).
- If the requester withdraws the change request, the status of the change request is set to *Final Check Rejected*. If changes have already been made to the master data, these are reset and the workflow is over (→ step 13).

9. Execute changes

All the relevant processors from the responsible organizational units have received a work item in their worklists independently of one another. They execute the changes as described in the change request. To do so, they change the master data for every object in the object list and then confirm the change manually in their universal worklists.

Once **all** the changes have been executed, the system validates the change request (→ step 10).

i Note

The responsible processors cannot add any new objects to the object list.

10. Validate

The system checks the change request using [validation rules](#) for consistency, and saves the check results. The relevant employees from the responsible organizational units also receive a work item in their universal worklists to perform the final check of the change request.

11. Perform final check

The relevant employees from the responsible organizational units have received a work item in their universal worklists to perform the final check of the change request.

They check the validation results and make the following decision:

- If a processor decides that the change request should be deleted, he or she rejects the change request. The responsible organizational unit then receives the work item in their universal worklist to cancel the change request (→ step 8). The requester also receives an SAP express mail for information.
- If a processor decides that the change request needs to be revised, he or she rejects the change request. The responsible organizational unit then receives a work item and revises the change request (→ step 8).
- If a processor approves the change request, he or she approves the change request. The system then activates the changes (→ step 12).

12. Activate changes

The system activates the master data in the database tables of the modified objects according to the changes entered in step 9.

i Note

The changes are then activated in the central system. When the workflow is over, the changes still need to be distributed to the local systems.

13. End workflow

The system ends the workflow.

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Example Code

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