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Master Data Governance for Financials

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1 Master Data Governance for Financials

Master Data Governance for Financials enables you to monitor and control the creation, change, and deletion of financial master data. This documentation provides the information you need to set up Master Data Governance for Financials. It gives more information about the activities you need to execute in addition to configuring Customizing settings.

2 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 system centralizes and manages the master data by an approval process. You can use this guide to help you to configure Master Data Governance for Financials (MDG-F) 7.0.

Prerequisites

After installing MDG-F 7.0, run the report `RGZZGLUX` before opening the UIs delivered with MDG-F 7.0. The report performs several checks regarding the general ledger configuration of your MDG system.

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. To delete data model `0F`, follow the steps described in [Deleting Data Model 0F \[page 62\]](#).

Business Function

Before you activate the business functions, ensure that you have the administration authorization for MDG. The required authorization objects are delivered with the authorization role `SAP_MDG_ADMIN`. In transaction `PFCG`, we recommend creating a copy of this role and assigning the relevant authorization values. For the authorization object `USMD_DM`, you need to assign the values for the authorization field `USMD_MODEL` (for example `MM`, `BP`, or `0G`) and the values for the authorization activity `ACTVT` (for example, **01: Create or generate** or **02: Change**).

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, Generic Functions 7.0 \(MDG_FOUNDATION_4\)](#)
- [Master Data Governance for Financials, Organizational Units \(FIN_MDM_ORG\)](#)
- [Master Data Governance for Financials 3 \(MDG_FINANCIALS_3\)](#)
- [Master Data Governance for Financials 7.0 \(MDG_FINANCIALS_4\)](#)

To use the features provided in the *Master Data Governance for Financials 7.0 Feature Pack*, activate the following business functions:

- [Master Data Governance, Generic Functions 7.0 Feature Pack \(MDG_FOUNDATION_5\)](#)
- [Master Data Governance for Financials 7.0 Feature Pack \(MDG_FINANCIALS_5\)](#)

These business functions are available with support package 02 and higher of MDG 7.0.

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 \[page 7\]](#)
2. [Activate the Business Configuration Set \[page 7\]](#)
3. [Check or Create an Edition Type \[page 8\]](#)
4. [Check or Create Business Activities \[page 8\]](#)
5. [Check or Define a Change Request Type \[page 8\]](#)
6. [Assign and Personalize the Role \[page 9\]](#)
7. [Define the Validation Rules and Derivation Rules \[page 10\]](#)
8. [Configure the Financials Workflow \[page 10\]](#)
9. [Create Hierarchy Versions \[page 11\]](#)
10. [Configure the Data Replication \[page 11\]](#)
11. [Define Value Mapping \[page 13\]](#)
12. [Define Key Mapping \[page 13\]](#)
13. [Define a UI Environment for Running SAP MDG \[page 13\]](#)
14. [Set Up Initial Load \[page 14\]](#)
15. [Display Remote Where-Used List \[page 14\]](#)
16. [Change Message Types for Validation \[page 14\]](#)
17. [Enable Detailed Analysis of Change Requests \[page 15\]](#)

The following configuration settings can be made for the features included in the MDG-F 7.0 Feature Pack:

- [Configure Changeable IDs \[page 15\]](#)
- [Set Up Multi-Copying in Accounts for Company Code \[page 17\]](#)
- [Set Up HANA Search \[page 19\]](#)
- [Enable the Creation of Primary Cost Elements for Accounts \[page 18\]](#)
- [Configure Business Context Viewer for MDG Financials \[page 23\]](#)

Result

You have configured the system for Master Data Governance for Financials.

2.1 Activate Data Model 0G

Check whether you can use the data model 0G delivered by SAP for managing your Financials master data. 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.

2.2 Activate the Business Configuration Set

The Business Configuration Set CA-MDG-APP-FIN_EDITION_CR_04 provides a complete set of change request types for each supported financial object assigned by default to the 0G_ALL edition type.

Activate the BC Set CA-MDG-APP-FIN_EDITION_CR_04, 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 CA-MDG-APP-FIN_EDITION_CR_04 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 CA-MDG-APP-FIN_EDITION_CR_04 and choose . Leave the default settings as they are.

Note

Note that once you have activated CA-MDG-APP-FIN_EDITION_CR_04, it is not possible to activate the MDG-F 7.0 Feature Pack BC Sets CA-MDG-APP-FIN_EDITION_05 and CA-MDG-APP-FIN_CR_TYPES_05 without errors.

If you want to access the MDG-F homepage or the Business Context Viewer (BCV), activate the BC set MDGAF_BCV.

MDG-F 7.0 Feature Pack

The MDG-F 7.0 Feature Pack provides you with the following new BC Sets:

- [Edition Types MDG-F 7.0 FP](#) (CA-MDG-APP-FIN_EDITION_05)
This BC Set provides the edition types used in the master data governance process.

- [Change Request Types MDG-F 7.0 FP](#) (CA-MDG-APP-FIN_CR_TYPES_05)
This BC Set provides the change request types used in the master data governance process.
- [BCV Content for MDGF](#) (CA-MDG-APP-FIN_BCV_PANEL_04)
This BC Set provides you with the BCV side panel content.
- [MDGF Change Request Types for SAP Fiori \(Financials\) 7.0 FP](#) (CA-MDG-APP-FIN_CR_ODATA_05)
This BC Set provides the predefined change request types for use in OData services and the SAP Fiori applications [Request Profit Center](#) and [Request Cost Center](#).

2.3 Check or Create an Edition Type

Check if the edition type 0G_ALL has been created for data model 0G after you have activated the business functions. It should contain all 25 entity types that are defined in the data model 0G. You can create your own edition type in Customizing under [▶ Process Modeling ▶ Create Edition Type ▶](#).

2.4 Check Business Activities

Check if the table displayed in the ["Business Activity: Definition" Overview](#) view contains entries related to data model 0G, for example:

Bus.Acty	Description (medium text)	Data Model	Description (medium text)
0G	Generic Business Activity for DM 0G	0G	Financials

You can display the table in Customizing under [▶ Master Data Governance, Central Governance ▶ General Settings ▶ Process Modeling ▶ Business Activities ▶ Create Business Activity ▶](#).

2.5 Check or Define a Change Request Type

If you have activated the BC set, check the change request types. You can create your own change request types in Customizing under [▶ Process Modeling ▶ Change Requests ▶ Create Change Request Type ▶](#). You can enter change request type keys and a short description to tag or classify your change requests. These keys can be used later for change request analytics (process quality analysis). They can also 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. You can define priorities, reasons, or rejection reasons for change requests. 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 form 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 ▶](#). Check the predelivered print forms that are assigned to data model 0G in Customizing under [▶▶ UI Modeling ▶ Assign Print Forms for Single Processing ▶](#).

2.6 Assign and Personalize the Role

We introduced 3 new work centers in financials – accounting, controlling, and consolidation. In addition, the following authorization and menu roles have been created:

Role Name	Role Description	Role Type
SAP_MDGF_ACC_MENU_04	Accounting Menu	Menu
SAP_MDGF_ACC_DISP_04	Accounting Display	Authorization
SAP_MDGF_ACC_REQ_04	Accounting Requester	Authorization
SAP_MDGF_ACC_SPEC_04	Accounting Specialist	Authorization
SAP_MDGF_ACC_STEW_04	Accounting Data Steward	Authorization
SAP_MDGF_CO_MENU_04	Consolidation Menu	Menu
SAP_MDGF_CO_DISP_04	Consolidation Display	Authorization
SAP_MDGF_CO_REQ_04	Consolidation Requester	Authorization
SAP_MDGF_CO_SPEC_04	Consolidation Specialist	Authorization
SAP_MDGF_CO_STEW_04	Consolidation Data Steward	Authorization
SAP_MDGF_CTR_MENU_04	Controlling Menu	Menu
SAP_MDGF_CTR_DISP_04	Controlling Display	Authorization
SAP_MDGF_CTR_REQ_04	Controlling Requester	Authorization

Role Name	Role Description	Role Type
SAP_MDGF_CTR_SPEC_04	Controlling Specialist	Authorization
SAP_MDGF_CTR_STEW_04	Controlling Data Steward	Authorization

- On the *SAP Easy Access* screen, choose **Tools > Administration > User Maintenance > Role Administration > Roles** (PF03).
For example, using the role SAP_MDGF_ACC_MENU_04 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, assign 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 required roles to your users, for example, SAP_MDGF_ACC_MENU_04, and at least 1 authorization role, for example, SAP_MDGF_ACC_SPEC_04.

2.7 Define the Validation Rules and Derivation Rules

Work through the Customizing activity under **Data Quality and Search > Validations and Enrichments > Define Validation and Derivation Rules**.

2.8 Configure the Financials Workflow

Several workflow templates are available for MDG-F. For more information, see [Workflow Templates for Financials \[page 55\]](#). If the Business Configuration Set has been activated, the default SAP business workflow template WS75700027 is assigned to change request type 0G_ALL and the workflow template WS75700040 is assigned to all other change request types.

- 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 object type BUS2250 has the following settings:

Event	Receiver type	Type linkage active	Enable event queue
ACTIVATED	ACTIVATED	yes	yes
CREATED	(blank)	yes	(blank)
ROLLED_BACK	ROLLED_BACK	yes	yes

The type linkage indicator must not be active for all other receiver types of object type BUS2250 and events CREATED, ACTIVATED, and ROLLED_BACK. This receiver type is defined using the receiver type function module USMD_WF_RECEIVER_TYPE.

i Note

To enter the receiver type function module or if you want 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. Set the tasks that are not *Background Tasks* to *General Task*. 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:

- WS72100012, WS75700027, and WS75700040 under [General Settings > Process Modeling > Workflow > Other MDG Workflows > Assign Processor to Change Request Step Number \(Simple Workflow\)](#)
- WS75700043 under [Master Data Governance for Financials > Workflow > Assign Processor to Change Request Step Number \(Extended Workflow\)](#)

4. Set up rule-based workflow

Alternatively, you can use the general Workflow Template WS60800086 for the rule-based workflow.

2.9 Create Hierarchy Versions

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

2.10 Configure the Data Replication

Data replication in MDG can be defined, triggered, and controlled using the Data Replication Framework (DRF). You can replicate the master data of Financials with 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](#).

Replicate master data using SOA

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 for

NetWeaver 7.31, see [Configuring the SOA Manager for Master Data Governance for Financials \(NW 7.31\) \[page 25\]](#). For information on configuring the SOA Manager for NetWeaver 7.40, see [Configuring the SOA Manager for Master Data Governance for Financials \(NW 7.40\) \[page 37\]](#).

Replicate master data using the IDoc

Alternatively, you can use Application Link Enabling (ALE) with IDoc messages. For detailed information about how to configure the ALE for MDG-F, see [Configuring ALE for Master Data Governance for Financials \[page 49\]](#).

Schedule report for edition-based replication

You use the report USMD_EDITION_REPLICATE to replicate financial objects that do not support time-dependency. The report is run once a day for all new or changed time-independent financial objects. The valid financial objects are determined by the start date of the selected edition. You must define a variant for the report in the MDG hub as follows:

1. Enter transaction SE38.
2. Enter the program USMD_EDITION_REPLICATE and choose the *Variants* button.
3. Enter a variant, for example, **MDGF-0G** and choose the *Create* button.
4. Select the data model **0G** and enter 0 for the cut-off date. Choose the *Attributes* button.
5. Enter a description, such as **Replication of 0G Editions**.
6. Save your entries.

The next step is to configure and release the background job, as follows:

1. Enter transaction SM36 to define a background job.
2. Enter a job name, such as USMD_EDITION_REPLICATE. Enter the job class as **C** and do not enter an execution target.
3. Choose the *Start Condition* button.
4. In the new window, choose *Date/Time*.
5. Enter the scheduled start as tomorrow's date and the time as **00:01:00**.
6. Select the *Periodic job* checkbox.
7. Choose the *Period values* button, choose *Daily*, and save.
8. Save your entries.
9. Choose the *Step* button, and from the new window, choose *ABAP program*.
10. Enter the report USMD_EDITION_REPLICATE in the *Name* field.
11. Enter the variant you defined previously and save.
12. Go back to the *Define Background Job* screen, and check that one step has been successfully defined.
13. Save your entries.

Finally, check the background job is released, as follows:

1. Enter transaction SM37.
2. Enter ***** for the job search, and enter your user name. Select the *Released* checkbox only. Check that the *Job start condition* fields are empty.
3. Choose *Execute*. You should see your released job on the *Job Overview* screen.

2.11 Define Value Mapping

Value mapping links field values in different systems, usually based on global data types. If the Customizing values are not harmonized in your system landscape, you must define the value mapping under ► [General Settings](#) ► [Value Mapping](#) ». For more information, see [Value Mapping](#).

2.12 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 on the productive MDG system using the business transaction from the portal or the corresponding back-end transaction.

2.13 Define a UI Environment for Running SAP MDG

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 can create, define, or configure the role for the Business Client in the SAP ERP system. Perform the steps described under **Assign and personalize the role**. You can now 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 menu roles. To create SAP NetWeaver menu roles, you must log on to the portal and upload the content information from your backend system menu roles.

i Note

You must install the Business Package for Common Parts in the SAP NetWeaver Portal before you can upload the MDG 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 menu roles `SAP_MDGF_ACC_MENU_04`, `SAP_MDGF_CTR_MENU_04`, and `SAP_MDGF_CO_MENU_04`, 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](#).

2.14 Set Up Initial Load

For MDG-F, the active data is stored in generated tables and not in the standard backend tables. Therefore, the initial load of the financial data must be performed independently from the chosen deployment of MDG. For information on setting up the initial load of financial master data, see [Setting Up Initial Load \[page 53\]](#).

2.15 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](#).

2.16 Change Message Types for Validation

For each message, you can define the respective message type for the different check levels (for example, change request, edition, or single maintenance). If you do not redefine the message types for a message, the set standard message type applies for all 3 check levels. For more information, see Customizing for [Master Data Governance](#) under ► [Master Data Governance for Financials](#) ► [Control of Validation Messages](#) ► [Change Message Type for Validations](#).

2.17 Enable Detailed Analysis of Change Requests

You can apply system settings that allow you to monitor how effectively your organization processes change requests. You can analyze the statuses and processing times of change requests in your organization, and the types of change requests involving you. For more information, see [Enabling Detailed Analysis of Change Requests](#).

2.18 Master Data Governance for Financials 7.0 Feature Pack

Use

Master Data Governance for Financials 7.0 Feature Pack provides you with additional features that you need to configure. The features include the following:

- [Configure Changeable IDs \[page 15\]](#)
- [Set Up Multi-Copying in Accounts for Company Code \[page 17\]](#)
- [Set Up HANA Search \[page 19\]](#)
- [Enable the Creation of Primary Cost Elements for Accounts \[page 18\]](#)
- [Configure Business Context Viewer for MDG Financials \[page 23\]](#)

Prerequisites

You have activated the business function MDG_FINANCIALS_5.

2.18.1 Configure Changeable IDs

To enable this feature, set the application parameter MDGF_ENABLE_KEY_SWITCH to **x** in the Web Dynpro application configuration. SAP delivers these for each entity with SU type 1 that has its own user interface. It is possible to enable the feature for a single entity only.

1. Create a custom Web Dynpro application configuration as a copy of a predefined SAP configuration.
 1. Start the Web Dynpro application CONFIGURE_APPLICATION.
 2. Define an existing Web Dynpro application configuration with component name MDGF_OVP_GEN and its configuration ID (for example, MDGF_0G_OVP_CCTR).
 3. Choose *Copy*. Follow the instructions of the copy window to create your custom Web Dynpro application configuration.
 4. Once the copy is finished, choose the *Continue in Change Mode* button to apply the application parameter value.
 5. Locate parameter MDGF_ENABLE_KEY_SWITCH in the list of application parameters and set its value to **x**.

6. Save your entries.
2. Create a custom MDG Communicator configuration.
 1. Start the Web Dynpro application `CONFIGURE_COMPONENT`.
 2. Define an existing MDG Communicator configuration with component name `MDG_BS_GOV_COMMUNICATOR` and its configuration ID (for example, `MDGF_0G_OVP_CCTR`).
 3. Choose the *Copy* button. Follow the instructions of the copy window to create your custom Web Dynpro component configuration for the MDG Communicator.
3. Adjust MDG Customizing.

MDG consists of several customizing tables that are used for the navigation to user interfaces. You need to add the newly created Web Dynpro application to the tables to ensure that the new user interface that supports changeable IDs is used instead of the SAP pre-defined user interface. Carry out the steps described below. The steps take the *Cost Center* as an example.

 1. Start transaction `MDGIMG`.
 2. Open **General Settings** > **Process Modeling** > **Business Activities**.
 3. Open the Customizing activity *Link Log. Actions with UI Application and Bus. Activity: Custom Definition*.
 1. Take a look at the SAP default configuration for cost centers in the Customizing activity *Link Log. Actions with UI Application and Bus. Act.: Standard Definition*, which should contain records similar to the ones shown in the table below:

BO Type	Log. Action	Current UI App.	Current UI Config.	Target UI App.	Target UI Config.	Business Activity
158	CREATE	*	*	MDGF_OVP_G EN	MDGF_0G_OV P_CCTR	CCT1
158	DISPLAY	*	*	MDGF_OVP_G EN	MDGF_0G_OV P_CCTR	CCT3

2. Copy or note the lines that relate to the creation and display of cost centers using the SAP UI configuration `MDGF_0G_OVP_CCTR`.
3. Navigate to the custom definition and add new entries using the previously copied or noted values as a template. Define your new target UI configuration.

BO Type	Log. Action	Current UI App.	Current UI Config.	Target UI App.	Target UI Config.	Business Activity
158	CREATE	*	*	MDGF_OVP_G EN	ZMDGF_0G_O VP_CCTR	CCT1
158	DISPLAY	*	*	MDGF_OVP_G EN	ZMDGF_0G_O VP_CCTR	CCT3

4. Save your changes.
4. Open the Customizing activity *Link Logical Actions with Business Activity: Custom Definition*.

1. Take a look at the SAP default configuration for cost centers in the Customizing activity [Link Logical Actions with Business Activity: Standard Definition](#), which should contain records similar to the ones shown in the table below:

UI Application	UI Configuration	Log. Action	Business Activity
MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	CREATE	CCT1
MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	DISPLAY	CCT3

2. Copy or note the lines that relate to the creation and display of cost centers using the SAP UI configuration MDGF_0G_OVP_CCTR.
3. Navigate to the custom definition and add new entries using the previously copied values as a template:

UI Application	UI Configuration	Log. Action	Business Activity
MDGF_OVP_GEN	ZMDGF_0G_OVP_CCTR	CREATE	CCT1
MDGF_OVP_GEN	ZMDGF_0G_OVP_CCTR	DISPLAY	CCT3

4. Save your changes.

2.18.2 Set Up Multi-Copying in Accounts for Company Code

The feature is enabled by adding a new button on the list [UIBB for Accounts in Company Codes](#) in the overview page for [Accounts](#) (MDGF_0G_FI_ACCOUNT_OVP). We recommend that you use the customizing capabilities of FPM. Therefore, create a new or use an existing customizing from the overview page.

1. Start the customizing configurator for the overview page.
2. Locate the list [UIBB for Accounts in Company Code](#) on the main page of the overview page.
3. To use a popup window to display the selection list, create a new button. Right-click on the UIBB toolbar next to the [New](#) button and choose [Add Toolbar Element](#) from the context menu.
4. Select the toolbar element [Button](#) in the new window.
5. Locate the [Attributes of Element: Button](#) screen. You might have to enable the [Attributes](#) section using the top menu bar.
6. Maintain the attributes of the button as defined below. Do not change other attributes that are not mentioned explicitly.
 - Text: **Copy**
 - Image Source: **~Icon/Copy**
 - FPM Event ID: MDGF_ACCCCDET_COPY

Note: If you want to use an edit page to display the selection list, enter the value MDGF_0G_FI_ACCCCDET_CCLIST_EDIT for the target page.
7. Save your entries.

2.18.3 Enable the Creation of Primary Cost Elements for Accounts

Use

The functionality is enabled by adding the list for primary cost elements in the account user interface. Additionally, it is required to set up change request types correctly. An optional step supports the derivation of cost element categories.

Process

1. Enable the primary cost elements in the *Account* user interface
 1. Start the Web Dynpro component customizing configurator (Web Dynpro application CUSTOMIZE_COMPONENT) for the account overview page MDGF_0G_FI_ACCOUNT_OVP.
 2. Locate the UIBB list for primary cost elements on the main overview page.
 3. Change the visibility of the list from `Hidden` and `Excluded from Event Loop` to `Visible`.
 4. Save your entries.
2. Adjust the change request types for account maintenance

The step is mandatory if you have already implemented MDG-F with release 7.0 before you start using the feature pack (or a higher release). If this is the case, the existing change request types for accounts have to be enhanced with the entity type for the cost element. The predefined change request types for the feature pack (or a higher release) are already setup correctly.

 1. Open MDG Customizing using transaction MDGIMG.
 2. Open the Customizing activity **General Settings > Process Modeling > Change Requests > Create Change Request Type**.
 3. Adjust the change request types for the creation and change of accounts. The predefined change request types delivered by SAP are ACC1P1 and ACC2P1. If you use custom change request types, choose the related ones.
 4. Select the table line of the change request type.
 5. Under **Dialog Structure > Type of Change Requests**, double-click on the entry *Entity Types*. The system displays the entity types ACCCDET and ACCOUNT.
 6. Create a new entry for the entity type CELEM.
 7. Save your entries.
3. Adjust Customizing for cost element categories

This step is required only if you want to use the automated derivation of cost element categories.

 1. Start transaction OKB2.
 2. In the window *Determine Work Area: Entry*, enter the chart of accounts that you want to configure.
 3. The system shows a table for the configuration of the *Automatic Generation of Cost Elements: Default Setting*. Define the cost element categories to be used for single account IDs or account ID ranges.
 4. Save your entries.

2.18.4 Set Up SAP HANA Search

Use

You want to enable SAP HANA search for financial objects because of high volume data or advanced features provided by the SAP HANA database such as freestyle and fuzzy search. This document explains the configuration steps that must be applied to the MDG system to enable this feature. It describes how to connect the search application with the SAP HANA search UIBB and generate the HANA search view.

Prerequisites

Before starting the implementation, check that SAP HANA is connected to the MDG system. If not, refer to [Configuring SAP HANA-Based Search for MDG](#).

Process

1. Generate SAP HANA search view in the SAP HANA database

1. Open transaction MDGIMG under [Master Data Governance](#) > [General Settings](#) > [Data Quality and Search](#) > [Create Search View](#) . Find the relevant search views from the table [SAP HANA Search Supported MDG-F Objects](#) below. For the MDG-F predelivered view for data model 0G, the name starts with MDGF_0G_*. Choose the [Edit](#) button to open each search view.
2. Enter the name of the SAP HANA package you received from your system administrator. Save your entries.
3. Choose [Next](#) until the last step and choose [Generate](#). You should get a message saying the view generation is successful.

2. Enable SAP HANA Search UIBB

This is done by adding an SAP-delivered search UIBB to the communicator configuration as follows:

1. Start the customizing configurator for the communicator configuration.
 1. Start the Web Dynpro application CUSTOMIZE_COMPONENT.
 2. Enter the component name MDG_BS_GOV_COMMUNICATOR. You can find the configuration ID in the table below.

SAP HANA Search Supported MDG-F Objects

Object Name	Communicator Configuration ID	HANA Search UIBB	HANA Search View
G/L Account	MDGF_0G_OVP_FI_ACCO UNT	MDGF_0G_FI_ACCOUNT_ DQUERY_HA MDGF_0G_FI_ACCCCDET _DQUERY_HA	MDGF_0G_ACCOUNT MDGF_0G_ACCCCDET
Financial Reporting Structure	MDGF_0G_OVP_FI_REPO RT	MDGF_0G_FI_REPORT_D QUERY_HA MDGF_0G_FI_REP_ITEM _DQUERY_HA	MDGF_0G_FRS MDGF_0G_FRSI
Company	MDGF_0G_OVP_COMPANY	MDGF_0G_COMPANY_DQU ERY_HA	MDGF_0G_COMP
Cost Center	MDGF_0G_OVP_CCTR	MDGF_0G_CCTR_DQUERY _HA	MDGF_0G_CCTR
Cost Center Group	MDGF_0G_OVP_CCTRG	MDGF_0G_CCTRG_DQUER Y_HA	MDGF_0G_CCTRG
Cost Center Group Hierarchy	MDGF_0G_OVP_CCTRH	MDGF_0G_CCTRH_DQUER Y_HA	MDGF_0G_CCTRH
Cost Element	MDGF_0G_OVP_CELEM	MDGF_0G_CELEM_DQUER Y_HA	MDGF_0G_CELEM
Cost Element Group	MDGF_0G_OVP_CELEMG	MDGF_0G_CELEMG_DQUE RY_HA	MDGF_0G_CELEMG
Cost Element Group Hierarchy	MDGF_0G_OVP_CELEMH	MDGF_0G_CELEMH_DQUE RY_HA	MDGF_0G_CELEMH
Profit Center	MDGF_0G_OVP_PCTR	MDGF_0G_PCTR_DQUERY _HA	MDGF_0G_PCTR
Profit Center Group	MDGF_0G_OVP_PCTRG	MDGF_0G_PCTRG_DQUER Y_HA	MDGF_0G_PCTRG
Profit Center Group Hierarchy	MDGF_0G_OVP_PCTRH	MDGF_0G_PCTRH_DQUER Y_HA	MDGF_0G_PCTRH
Item	MDGF_0G_OVP_CO_ACCO UNT	MDGF_0G_CO_ACCOUNT_ DQUERY_HA	MDGF_0G_FSI

Object Name	Communicator Configuration ID	HANA Search UIBB	HANA Search View
Item Hierarchy	MDGF_0G_OVP_CO_REPO RT	MDGF_0G_CO_REPORT_D QUERY_HA MDGF_0G_CO_REP_ITEM _DQUERY_HA	MDGF_0G_FSI MDGF_0G_FSIH
Consolidation Characteristic	MDGF_0G_OVP_CONSCHAR	MDGF_0G_CONSCHAR_DQ UERY_HA	MDGF_0G_CONSCHAR
Consolidation Unit	MDGF_0G_OVP_CONSUNIT	MDGF_0G_CONSUNIT_DQ UERY_HA	MDGF_0G_CONSUNIT
Consolidation Group	MDGF_0G_OVP_CONSGRP	MDGF_0G_CONSGRP_DQU ERY_HA	MDGF_0G_CONSGRP
Consolidation Structure	MDGF_0G_OVP_CONSGRPH	MDGF_0G_CONSGRPH_DQ UERY_HA	MDGF_0G_CONSGRPH
Breakdown Category	MDGF_0G_OVP_BDC	MDGF_0G_BDC_DQUERY_ HA	MDGF_0G_BDC
Breakdown Category Set	MDGF_0G_OVP_BDCSET	MDGF_0G_BDCSET_DQUE RY_HA	MDGF_0G_BDCSET
Cause for Submission	MDGF_0G_OVP_SUBMPACK	MDGF_0G_SUBMPACK_DQ UERY_HA	MDGF_0G_SUBMPACK
Transaction Type	MDGF_0G_OVP_TRANSTY PE	MDGF_0G_TRANSTYPE_D QUERY_HA	MDGF_0G_TRANSTYPE

3. Choose [New](#), enter a description, and choose [OK](#). Select a transport request if your customizing needs to be transported to other systems.
2. Mark the [Settings](#) node, and choose [New](#) [Search UIBBs](#). Enter all parameters for the object in the table, for example, the following are the cost center parameters:
 - Search Mode: HA
 - Incl. Search Help: MDGF_0G_CCTR
 - Component: FPM_SEARCH_UIBB
 - Config ID: MDGF_0G_CCTR_DQUERY_HA
3. This step is needed only for the special entity type G/L account (company code) ACCCDET, financial reporting structure item FRSI, and text item FSIT. You need to add the 2 UIBBs listed in the table as search UIBBs by following the previous step.
4. This step is needed only for the special entity type G/L account (company code) ACCCDET, financial reporting structure item FRSI, and text item FSIT. Start the customizing configurator for the communicator configuration.
 1. Start the Web Dynpro application CUSTOMIZE_COMPONENT.

- Enter the component name `FPM_SEARCH_UIBB` and the configuration ID from the following table:

Entity Type	Configuration ID
G/L Account (Company Code) (ACCCDET)	MDGF_0G_FI_REPORT_DQUERY_DB
Financial Reporting Structure Item (FRSI)	MDGF_0G_FI_REPORT_DQUERY_DB
Text Item (FSIT)	MDGF_0G_CO_REPORT_DQUERY_DB

- Under *General Settings*, choose the *Feeder Class Parameter* button. In the *Morph Entry With UIBB Terminus* section, make the following entries:

G/L Account (Company Code) - ACCCDET

Spot Name	Spot Value	Entry Key	Parent Key	Configuration ID
MDG USMD Search Entity Type	ACCCDET	ENTRY1		MDGF_0G_FI_ACCCDET_DQUERY_DB
MDG USMD Search Application	DB	ENTRY2	ENTRY1	MDGF_0G_FI_ACCCDET_DQUERY_DB
MDG USMD Search Application	HA	ENTRY3	ENTRY1	MDGF_0G_FI_ACCCDET_DQUERY_HA
MDG USMD Search Entity Type	ACCOUNT	ENTRY4		MDGF_0G_FI_ACCOUNT_DQUERY_DB
MDG USMD Search Application	DB	ENTRY5	ENTRY4	MDGF_0G_FI_ACCOUNT_DQUERY_DB
MDG USMD Search Application	HA	ENTRY6	ENTRY4	MDGF_0G_FI_ACCOUNT_DQUERY_HA

Financial Reporting Structure Item - FRSI

Spot Name	Spot Value	Entry Key	Parent Key	Configuration ID
MDG USMD Search Entity Type	FRSI	ENTRY1		MDGF_0G_FI_REP_ITEM_DQUERY_DB
MDG USMD Search Application	DB	ENTRY2	ENTRY1	MDGF_0G_FI_REP_ITEM_DQUERY_DB
MDG USMD Search Application	HA	ENTRY3	ENTRY1	MDGF_0G_FI_REP_ITEM_DQUERY_HA
MDG USMD Search Entity Type	FRS	ENTRY4		MDGF_0G_FI_REPORT_DQUERY_DB

Spot Name	Spot Value	Entry Key	Parent Key	Configuration ID
MDG USMD Search Application	DB	ENTRY5	ENTRY4	MDGF_0G_FI_REPO_RT_DQUERY_DB
MDG USMD Search Application	HA	ENTRY6	ENTRY4	MDGF_0G_FI_REPO_RT_DQUERY_HA

Text Item - FSIT

Spot Name	Spot Value	Entry Key	Parent Key	Configuration ID
MDG USMD Search Entity Type	FSIT	ENTRY1		MDGF_0G_CO_REP_ITEM_DQUERY_DB
MDG USMD Search Application	DB	ENTRY2	ENTRY1	MDGF_0G_CO_REP_ITEM_DQUERY_DB
MDG USMD Search Application	HA	ENTRY3	ENTRY1	MDGF_0G_CO_REP_ITEM_DQUERY_HA
MDG USMD Search Entity Type	FSIH	ENTRY4		MDGF_0G_CO_REPO_RT_DQUERY_DB
MDG USMD Search Application	DB	ENTRY5	ENTRY4	MDGF_0G_CO_REPO_RT_DQUERY_DB
MDG USMD Search Application	HA	ENTRY6	ENTRY4	MDGF_0G_CO_REPO_RT_DQUERY_HA

Result

You have completed all the necessary steps to enable HANA search.

2.18.5 Configure Business Context Viewer for MDG Financials

Use

You can use this function to view context-related information for your financials master data in a side panel. You must activate the Business Context Viewer (BCV) to access the side panels for all MDG-F Web Dynpro applications.

Prerequisites

1. To enable BCV, you must activate the following business functions:
 - *FND, Business Context Viewer Main Application* (/BCV/MAIN)
 - *FND, Business Context Viewer Main Application 2* (/BCV/MAIN_1)
 - *FND, Business Context Viewer NWBC Side Panel* (/BCV/NWBC_SIDE_PANEL)
2. Activate the BC Set *BCV Content for MDG Framework* (MDGAF_BCV) in transaction SCPR20.
3. Activate the BC Set *BCV Content for MDG-F* (CA-MDG-APP-FIN_BCV_PANEL_04), which contains the business content for MDG-F.

Process

To view this content, open the BCV side panel by choosing the *Side Panel* link in the upper right corner of your MDG Financials user interface. From the side panel, select the following overview from the dropdown list:

Changes Overview

This BCV content provides you with a list of changes raised by the current MDG change request.

More Information

For more information about BCV, see [Business Context Viewer \(BCV\)](#)

3 Configuring the SOA Manager for Master Data Governance for Financials (NW 7.31)

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 7.0 is installed on NetWeaver 7.31. For more information about how to use the SOA Manager to configure a Web service-based communication, see [Configuring a Consumer Proxy](#).

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](#).

i 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](#).

- If necessary, enter the proxy settings and choose *Finish* to save the settings and activate the profile.

Configure the Client Settings

- On the *Technical Administration* tab, choose *SAP Client Settings* and then choose *Edit*.
- 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.
- To receive the business application ID from the system landscape directory (SLD), choose *Get from SLD*.
- Save your entries.

Configure a Provider System for the Business Scenario Configuration

- 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*.
- 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* ►.

- 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.

- Enter the user for WSDL and a password for the WSDL documents.
- Enter the service user that you have created in the backend system.
- 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* ►
 - Choose *Create* to maintain a business application ID in the MDG hub system.
 - Enter an application name and description, for example `sap.com/BusinessApplicationABAP`.
 - Enter the business application ID.
 - 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.

- On the *Service Administration* tab, choose *Logon Data Management*.
- On the *Maintenance* tab, choose *Create*, enter your data, and choose *Next*.
- Select **User/Password** or `X.509` as the authentication method.
- 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

Service Definition (Internal Name)	Description
FINANCIALREPORTINGSTRUCTUREREPE	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_COMPANYRPLCTNBRQ	Service Group for Outbound CompanyReplicationBulkRequest
USMD_COSTCTRRPLCTNBRQ	Service Group for Outbound CostCentreReplicationBulkRequest
USMD_PROFITCTRRPLCTNBRQ	Service Group for Outbound ProfitCentreReplicationBulkRequest
USMD_COSTCTRGRPHIRPLCTNRQ	Service Group for Outbound CostCentreGroupHierarchyReplicationRequest
USMD_PRFTCTRGRPHIRPLCTNRQ	Service Group for Outbound ProfitCentreGroupHierarchyReplicationRequest
USMD_COSTELMTRPLCTNBRQ	Service Group for Outbound CostElementReplicationBulkRequest
USMD_COSTELMNTGRPHIRPLCTNRQ	Service Group for CostCentreGroupHierarchyReplicationRequest

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_FINCNSSELMNTRPLCTNBRQ	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
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

Service Definition (Internal Name)	Description
PROFITCENTREGROUPHIERARCHYREPL	Replication request for profit center group hierarchy
COSTELEMENTREPLICATIONBULKREQU	Bulk replication request for cost element
COSTELEMENTGROUHPHYREPLRQ	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
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

Service Group (Internal Name)	Description
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

Business Object Type	Description
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.

- 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.
- Save your entries.

Create Replication Models

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

- Enter transaction MDGIMG.
- Navigate to **General Settings > Data Replication > Define Custom Settings for Data Replication > Define Replication Models**.
- 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

Replication Model	Description	Log Days	Data Model
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

Replication Model	Description	Log Days	Data Model
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

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 all business systems with the ERP clients of the target systems.
6. 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`, e.g. with the value 500, for SOA replication for the objects account, company, consolidation group, and unit.

Activate Replication Models

You activate the defined replication models as follows:

1. Call transaction `MDGIMG`.
2. Navigate to **General Settings** > **Data Replication** > **Define Custom Settings for Data Replication** > **Define Replication Models**.
3. In the table of replication models, mark all previously defined replication models.
4. 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 \[page 5\]](#)

4 Configuring the SOA Manager for Master Data Governance for Financials (NW 7.40)

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 7.0 is installed on NetWeaver 7.40. For more information about how to use the SOA Manager to configure a Web service-based communication, see [Configuring a Consumer Proxy](#).

Prerequisites

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

Configuration of the Web Service Runtime

Set up the technical configuration of the web service runtime using SAP Note [1043195](#).

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](#).

i 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 verify that in section *Identifiable Business Context*, the field *IBC Determination* has the value *No IBC Determination*. Choose *Next*.
4. If necessary, enter the proxy settings and choose *Finish* to save the settings and activate the profile.

Retrieve Business Application ID

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.
The business application ID should now be displayed in the corresponding field.

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.

As a result, the Identifiable Business Context (IBC) reference for the counterpart system is automatically generated. To verify this, perform the following:

1. From the *Service Administration* tab, choose the link *Identifiable Business Context Reference*.
2. Choose the *Search* button. The IBC reference for the counterpart system should display in the list in the form of XYZ_001, where XYZ_001 is the system ID and client of the counterpart system.

Edit Logon Data for Business Scenario

i Note

The backend user should 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 Provider IBC Reference

1. On the *Service Administration* tab, choose *Logon Data Management*.
2. Under the *Assignments* tab, choose *Create*.
3. Use the input help to search for *Provider IBC Reference*. Select the IBC reference of the counterpart system from the search result list and choose *Next*.
4. Select the user name you entered in the previous step as logon data from the dropdown list and choose *Finish*.

Create Integration Scenario for Point-To-Point Communication

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

1. Create an integration scenario configuration in the MDG hub system.
 1. On the *Service Administration* tab, choose *Local Integration Scenario Configuration*.
 2. Choose *Create*, provide a name and a description for the integration 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

Service Definition (Internal Name)	Description
COSTCENTREREPLICATIONBULKCONFI	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
FINANCIALREPORTINGSTRUCTUREREPL	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 the provider IBC reference:
 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

Service Group (Internal Name)	Description
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_PRFTCTRGRPHIRPLCTNRQ	Service Group for Outbound ProfitCentreGroupHierarchyReplicationRequest
USMD_COSTELMTRPLCTNRQ	Service Group for Outbound CostElementReplicationBulkRequest
USMD_COSTELMNTGRPHIRPLCTNRQ	Service Group for CostCentreGroupHierarchyReplicationRequest

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_FINCSELMNTRPLCTNRQ	Service Group for Outbound FinancialConsolidationElementReplicationBulkReq
USMD_FINCNSSTRUCTRPLCTNRQ	Service Group for Outbound FinancialConsolidationStructureReplicationReq

5. Assign the provider IBC reference:
 1. Select all service groups from the list and assign them to the provider IBC reference by choosing [Assign IBC Reference](#).
 2. In the dialog box search for the IBC reference of the counterpart system, mark the entry in the search results list and choose [Assign to Service Group](#).
 3. Choose [Finish](#).
6. Do not activate the business scenario immediately, as you first need to define the integration scenario configuration in the target system.

To create an integration scenario configuration in the MDG target system, carry out the following steps:

1. Create an integration scenario configuration in the MDG target system.
 1. On the [Service Administration](#) tab, choose [Local Integration Scenario Configuration](#).

2. Choose [Create](#), provide a name and a description for the integration scenario and choose [Next](#).
2. Select the service definitions and assign the provider IBC reference.
 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
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 the provider IBC reference as follows:
 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_CHTACTSRPLCTNCO	Confirmation of chart of accounts replication
FBS_FINRPTGSTRUCCO	Confirmation about replication of financial reporting structure
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 provider IBC reference in the MDG target system, carry out the previous steps for the MDG hub.
6. Activate the integration scenario in the target system:
 1. Choose [Yes](#) to activate the integration scenario immediately.
 2. Click on the link [Click here to open](#) shown at the top to display all pending tasks.
 3. Choose the pushbutton [Rebuild List](#) to refresh the list of all pending tasks.
 4. Choose the pushbutton [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 integration scenario in the MDG hub. You must then process all pending tasks in the target system that failed the activation again.

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`, e.g. with the value 500, for SOA replication for the objects account, company, 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 on NetWeaver 7.40.

More Information

[Configuring Master Data Governance for Financials \[page 5\]](#)

5 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. Choose 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.

- 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

- 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.
- Save your entries

Activate Replication Models

Activate the previously defined replication models as follows:

- Call transaction MDGIMG.
- Goto [General Settings](#) > [Data Replication](#) > [Define Custom Settings for Data Replication](#) > [Define Replication Models](#).
- In the table of replication models, mark all replication models you have previously defined.
- Choose the pushbutton [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 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 \[page 5\]](#)
- [Configuring the SOA Manager for Master Data Governance for Financials \[page 25\]](#)

6 Setting Up Initial Load

Use

MDG-F supports the option to initially upload accounts, companies, cost centers, cost elements and profit centers from your MDG target systems into your MDG hub system.

The extraction of the master data in the MDG target system is performed by the generic MDM extractor (MDMGX). The upload of the master data in the MDG hub system is performed by the MDG data import framework (DIF). MDG-F provides content for both.

Process

- **Setting up MDMGX in client systems**

MDG-F uses transaction MDMGX for the extraction of master data from SAP MDG target systems. To set up MDMGX, perform the following:

1. Apply the SAP Notes [1783851](#) and [1880169](#) in the target systems.
2. Download the required MDMGX configuration text file from SAP Note [1882127](#). The note includes a detailed how-to document about MDMGX setup and execution.
3. Run transaction MDMGX in the client systems.
4. Choose *Define Object Types*. Check that the object types in the following table exist in your system. The object types are predefined by SAP. If they do not exist, create the missing entries. Afterwards, navigate back to the main menu of the transaction.

Object Type	Description
Account	Chart of Account & G/L Account
Company	Company
CostCenter	Cost Center
CostElement	Cost Element
ProfitCenter	Profit Center

5. Choose *Define Repositories and FTP Servers*. Check if there is an entry with the attribute *Log.Repository Name* defined as `SAP_MDG_TEMPLATE`. If it is available, you can use this entry as a template for defining your own repositories. You can use the *Copy* button to create a new repository from the template. Each master data object that you want to extract requires a specific repository.
6. If the template does not exist, you can create a new repository. Define the attributes of the new repository according to the master data object that you want to extract. The table below shows the entries for the MDG-F objects. Define attributes *Clnt Code* and *Remote System Type* according to your

specific systems. Other attributes may use the values as shown in the table. It is absolutely mandatory that the repository name starts with MDG_.

Log. Repository Name	Object Type	Repository Name (Code)
MDG_ACCOUNT	Account	MDG_Account
MDG_COMPANY	Company	MDG_Company
MDG_COSTCENTER	Cost Element	MDG_CostElement
MDG_COSTELEMENT	Cost Center	MDG_CostCenter
MDG_PROFITCENTER	Profit Center	MDG_ProfitCenter

7. Choose *Upload Ports and Check-Tables*. Upload the configuration text file and perform the following:
 1. Define the object type as **Account**.
 2. Browse the configuration text file.
 3. Select the *Remove Header Line* checkbox.
 4. Execute the upload and go back to the main menu
8. Define the function modules for the cost elements as follows:
 1. Choose *Define Function Module Parameters for Exceptional Cases* and search without attributes.
 2. Choose the *Create* button, and enter **CostElement** as the object type and MDM_ERP_CELEM_EXTR as the function module. Do not provide an input parameter.
 3. Save your entries.
 4. Repeat the procedure for the function module MDM_ERP_CELEM_DESCR_EXTR.
9. The predefined content of the configuration text file has to be adapted according to the master data that shall be extracted. Refer to the how-to guide of SAP Note [1882127](#) for details.

- **Setting up DIF in MDG systems**

DIF requires at least two file directories on the application server:

- One directory to store the files to be imported.
- One directory to store the archived files that have been imported.

Perform the following:

1. Create the physical directories on the application server and map them to logical directories using transaction FILE.
2. Run transaction MDGIMG. Configure the directories in the Customizing activity under **Master Data Governance > General Settings > Data Transfer > Define File Source and Archive Directories for Data Transfer**.

7 Workflow Templates for Financials

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

- [Workflow Template WS72100012 \[page 55\]](#)
- [Workflow Template WS75700027 \[page 56\]](#)
- [Workflow Template WS75700040 \[page 58\]](#)
- [Workflow Template WS75700043 \[page 59\]](#)

Related Information

[Configure the Financials Workflow \[page 10\]](#)

7.1 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.

7.2 Workflow Template WS75700027

SAP delivers the standard workflow template ws75700027 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, 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 activate in the central system. When the workflow has been completed, the changes still need to be distributed to the local systems.

10. End workflow

The system ends the workflow.

7.3 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 he 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.

7.4 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.

8 Appendix

8.1 Deleting Data Model 0F

Prerequisites



Make sure that data model 0F is not activated in your productive system.

Activities

1. If the data model 0F has an active version, run the report MDG_DELETE_MODEL (Delete Active Version of Data Model) first.

Caution

Running the report MDG_DELETE_MODEL will irrevocably delete the active version of the data model, including all dependent data.



2. Open the Customizing activity [▶ Master Data Governance, Central Governance ▶ General Settings ▶ Data Modeling ▶ Edit Data Model ▶](#), and confirm the dialog box.
3. In the data model list, select the row that contains data model 0F.
4. Choose .
5. In the *Specify objects to be deleted* dialog box, select *all entries*.
6. Confirm all information and warning messages by pressing *Enter*.
7. Choose  to confirm the deletion of the data model. If required, create a workbench request.

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