Configuring SAP Master Data Governance Fashion Management
Solution extension by Utopia™

FMS Configuration 8.0

For RFM please use MDG-RFM guide

Copyright

Icons in Body Text

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Additional icons are used in SAP Library documentation to help you identify different types of information at a glance. For more information, see *Help on Help → General Information Classes and Information Classes for Business Information Warehouse* on the first page of any version of *SAP Library*.

Typographic Conventions

Type Style	Description
Example Text	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
Example Text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

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Configuring Master Data Governance for Retail and Fashion Management

To use Master Data Governance for Retail and Fashion Management extension by Utopia™ (MDG-RFM) you need to carry out the steps described below.

Prerequisites

Business Function

You have activated the following business functions:

- Business Function Set SAP Retail (`ISR_RETAILSYSTEM`)
- Business Function Set SAP FMS(`FASHION_03`)
- 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, Generic Functions 7.0 Feat. Pack (`MDG_FOUNDATION_5`)
- Master Data Governance, Generic Functions 8.0 (`MDG_FOUNDATION_6`)

> ℹ **Note**
>
> This business function is available with support package 01 and higher of MDG 8.0.

> ℹ **Note**
>
> 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` *Data Model* you need to assign the values for the authorization field `USMD_MODEL` *Data Model* (for example `MM`, `BP`, or `0G`) and the values for the authorization activity `ACTVT` *Activity* (for example 01: Create or generate, or 02: Change).
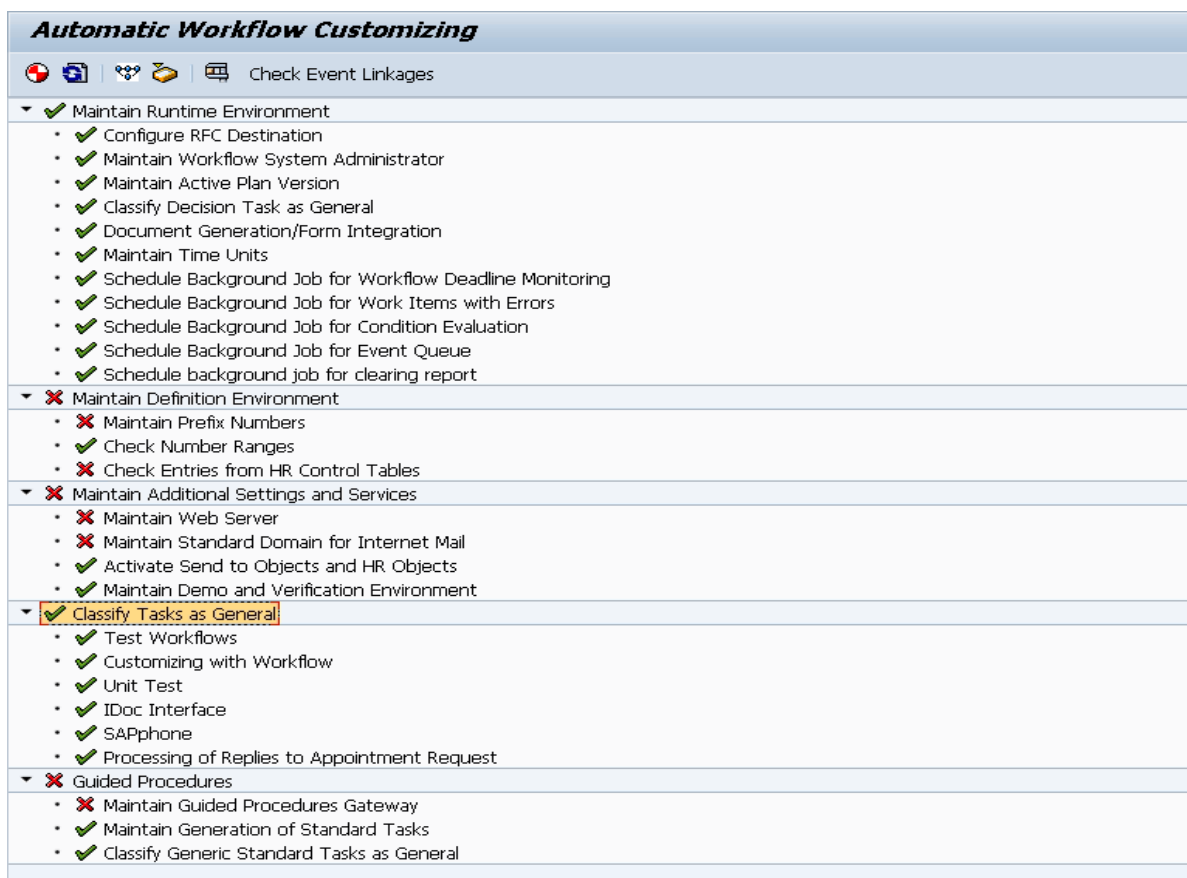
For additional BCV Content activate business function `/BCV/NWBC_SIDEPANEL`. If you want to use the MDG for RFM homepage or the Business Context Viewer, activate the business functions `/BCV/MAIN` and `/BCV/MAIN_1`. For more information on the Business Context Viewer see, [Business Context Viewer in Single Processing](#) [External].

Set Up Workflow

To use the rule-based workflow processes of SAP Master Data Governance, Retail and Fashion Management extension by Utopia ™, you have defined general settings for SAP Business Workflow [External] in Customizing for SAP NetWeaver under ▶ *Application Server* ▶ *Business Management* ▶ *SAP Business Workflow* ▶. Remember to regenerate the authorization profile of `SAP_ALL` or include `USMD*` authorization objects into the authorization for the user WF-Batch.

To activate the workflow features, use the semi-automated configuration in transaction **`SWU3`**. You can also access these settings in Customizing under ▶ *SAP NetWeaver* ▶ *Application Server* ▶ *Business Management* ▶ *SAP Business Workflow* ▶ *Maintain Standard Settings* ▶

Automatic Workflow Customizing

Check Event Linkages

- ✔ Maintain Runtime Environment
  - ✔ Configure RFC Destination
  - ✔ Maintain Workflow System Administrator
  - ✔ Maintain Active Plan Version
  - ✔ Classify Decision Task as General
  - ✔ Document Generation/Form Integration
  - ✔ Maintain Time Units
  - ✔ Schedule Background Job for Workflow Deadline Monitoring
  - ✔ Schedule Background Job for Work Items with Errors
  - ✔ Schedule Background Job for Condition Evaluation
  - ✔ Schedule Background Job for Event Queue
  - ✔ Schedule background job for clearing report
- ✖ Maintain Definition Environment
  - ✖ Maintain Prefix Numbers
  - ✔ Check Number Ranges
  - ✖ Check Entries from HR Control Tables
- ✖ Maintain Additional Settings and Services
  - ✖ Maintain Web Server
  - ✖ Maintain Standard Domain for Internet Mail
  - ✔ Activate Send to Objects and HR Objects
  - ✔ Maintain Demo and Verification Environment
- ✔ Classify Tasks as General
  - ✔ Test Workflows
  - ✔ Customizing with Workflow
  - ✔ Unit Test
  - ✔ IDoc Interface
  - ✔ SAPphone
  - ✔ Processing of Replies to Appointment Request
- ✖ Guided Procedures
  - ✖ Maintain Guided Procedures Gateway
  - ✔ Maintain Generation of Standard Tasks
  - ✔ Classify Generic Standard Tasks as General

For further information, see the documentation for the Configuration activity. Note the following when maintaining the settings:

- When configuring the RFC destination you need super user authorization to create the default WF-BATCH user.
- Regenerate the authorization profile for `SAP_ALL` or include the `USMD*` authorization objects into the authorizations of the user WF-Batch.
- For the *Check Entries from HR Control Tables* section you may need to execute report `RHSOBJCH` in transaction **`SE38`** and keep the default settings.
- Maintain the prefix numbers for the standard objects.
- You do not need to maintain the Web Server node and Guided Procedures section.

Import content of MDG for RFM

For this activity, please refer to MDG-RFM Installation Guide [External File].

Adjust Profile Parameters

Ensure that the profile parameter size for the Shared Objects Memory is the correct. To check this setting run transaction **RZ11** and verify that the value for parameter `abap/shared_objects_size_MB` is between 200 and 300 megabytes.

If you want to use the SAP NetWeaver Business Client with single sign on, ensure that the parameters `login/create_sso2_ticket` and `login/accept_sso2_ticket` are set correctly.

Use transaction **RZ11** to check that the host name is fully qualified for parameter `icm/host_name_full`.

User Roles

MDG-RFM comes with some standard roles which needs to be assigned to the users depending on their responsibilities in the Company:

- **/UGI4/MDGRFM_FMS_MENU**   Master Data Governance for RFM: Menu (Only Menu)
- **/UGI4/MDGRFM_FMS_REQ**   Master Data Governance for RFM: Requester
- **/UGI4/MDGRFM_FMS_SPEC**   Master Data Governance for RFM: Specialist
- **/UGI4/MDGRFM_FMS_STEW**   Master Data Governance for RFM: Data Steward
- **/UGI4/MDGRFM_FMS_DISP**   Master Data Governance for RFM: Display

In order to successfully conduct the next steps in the configuration process, you must have the following user roles assigned in the **PFCG** transaction:

- `SAP_MDGA_MENU` – Master Data Governance: Analytics
- `SAP_MDG_ADMIN` – Master Data Governance: Administrator

  This role contains authorizations for basic tasks relevant to the configuration and administration of SAP Master Data Governance (MDG) for all domains. Some authorizations allow critical activities. If you have multiple users involved in the configuration and administration of MDG content, we recommend you split this role into several new roles and give each new role a subset of the authorizations for this role. Such an approach ensures users only complete tasks they are responsible for and reduces the risk of critical errors. Authorizations for the MDG transactions are not included in this role.

In addition, the role `SAP_PAGEBUILDER_DISPLAY` is required to use the Page Builder tool for accessing homepages created using Page Builder.

Web Dynpro Applications

For security reasons the services delivered for Web Dynpro applications are delivered in an inactive state. You must activate the services you want to use. Use transaction **SICF** to activate the services. For a detailed list of the relevant services, see Services to be activated for Web Dynpro Applications [External File].

Refer to the Web Services for MDG-CO (i.e.; Custom Objects) that need to be activated.

Note: Once you have activated a service, it cannot be reset to inactive.

Number Ranges

Use transaction **SNRO** to ensure that the objects below have the listed number range values:

Object	Interval number	From Number	To Number
/UGI4/RT	01	0000000001	9999999999
DATLDLOGID (Only maintain if object exists in your system)	01	10000002	99999999

Process

This process describes the minimal set of customizing steps and recommended check activities required to do the following:

- Create article
- Change article
- Multiple-record processing

You run the settings for this process in Customizing under ▶ *Cross-Application Components* ▶ *Processes and Tools for Enterprise Applications* ▶ *Master Data Governance* ▶.

1. Activate the Data Model AR

2. Activate Business Configuration Set

3. Verify UI Modeling [Optional]

4. Set Up Search

5. Verify Data Quality and Search Settings

6. Configure Change Request Settings

7. Variant Splitter Configuration

8. Tasks to do when deploying MDG FMS 8.0 when already MDG RFM 6.0 in your system

9. Configure Workflow Tasks

10. Set Up the Rule-Based Workflow

11. Setup Analytics for MDG

12. Choose where you want to run SAP Master Data Governance

13. Final Steps

Activate the Data Model [AR]

Check (or enhance) and activate the *AR* data model including temporary IDs for internal number handling.

1. Check whether you can use the data model delivered by SAP for managing your article master data with MDG-RFM for FMS solution.

   Activate the delivered data model *AR* in *Customizing for Master Data Governance* under ▶ *General Settings* ▶ *Data Modelling* ▶ *Edit Data Model* .

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i **Note**

You can select the governance scope at any point after you activate the Data Model. The governance scope determines which fields from the data model can be edited by the Master Data Governance application. Use this customizing activity to narrow the governance scope: ▶ *Master Data Governance* ▶ *General Settings* ▶ *Process Modeling* ▶ *Define Governance Scope* ▶

By deactivating or reactivating an entity, a relationship, or an attribute you are not changing any dictionary or database object; you are only changing the ability of MDG to edit the chosen object. When you take a field out of governance scope it becomes read-only on the MDG UI and you may wish to remove it.

Change View "Inactive Data Models": Overview

New Entries 📋 📑 ↩ 📥 📥 📥 BC Set: Change Field Values 🔒 ✏ Visualize Data Model 🖼

Dialog Structure	Inactive Data Models			
∨ 🗁 Inactive Data Models	Data Model	Description (medium text)	Active Area	User Name
∨ 🗀 Entity Types	AR	Article Maintenance	/UGI4/RET	DDIC
• 🗀 Attributes				

2. Assign an internal key.

   To support internal key assignment, run the activity in Customizing for *Master Data Governance* under ▶ *General Settings* ▶ *Data Modelling* ▶ *Define Prefixes for Internal Key Assignment* .

   MANDATORY: All temporary IDs must be prefixed with @@. Please use the following values:

   - Data Model: AR
   - Entity Type: MARA
   - Prefix: @@

Activate Business Configuration Set

To enable the MDG-RFM pre-delivered content some BC Sets need to be activated in the Following Order:

- **MDGAF_BCV**: BCV Content for MDG Framework
    - o Go to Transaction SCPR20 and activate:

- **/UGI4/MDG_RFM_800**: BC Set for MDG-RFM 800
    - o Go to Transaction SCPR20 and activate:
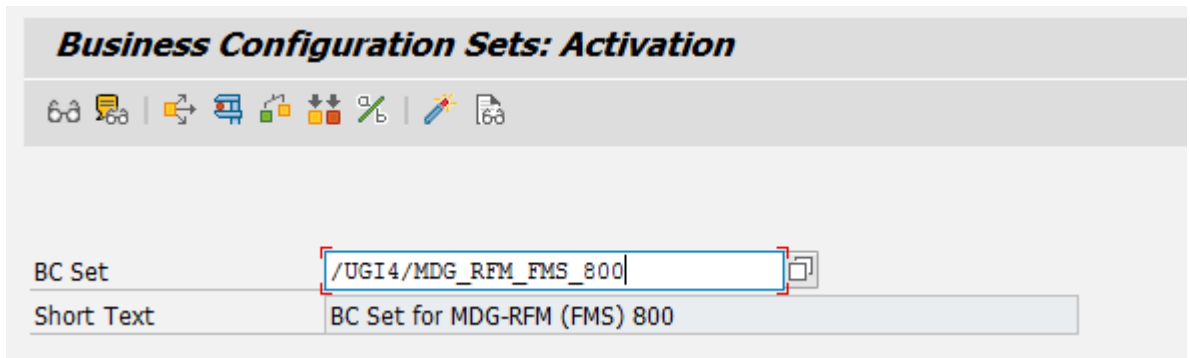

On the activation it is required that you set any existing User in the system to make it as the owner of the Overview ID's of the BCV delivered

- **/UGI4/MDG_RFM_FMS_800**: BC Set for MDG-RFM (FMS) 800
  - Go to Transaction SCPR20 and activate:

Verify UI Modeling [Optional]

UI configuration activities are only relevant if you want to change the UI or if the AR data model has been enhanced.

In this Customizing activity, you can specify if and where the system hides the entity types for the data model AR.
Verify the pre-delivered field properties for the data model AR in Customizing under ▶ *General Settings* ▶ *UI Modeling* ▶ *Manage UI Configurations* ▶.

The Web Dynpro application and the application configuration in the PFCG role combine with settings made in Customizing to determine the UI displayed.

You need to verify the UI modeling for the following Web Dynpro application configurations:

Web Dynpro Application	Application Configuration	UI
USMD_OVP_GEN USMD_SEARCH	/UGI4/_AR_OVP_MARA_FMS /UGI4/_AR_SEARCH_FMS	/UGI4/_AR_MARA_OVP_FMS /UGI4/_AR_SEARCH_OVP_FMS

Data Model	Application	Application Configuration	UI Configuration	Communicator Status	Description
AR	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	/UGI4/_AR_MARA_OVP	Details	Template Configuration for Generic MDG Single-Object UI
AR	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	/UGI4/_AR_MARA_OVP_FMS	Details	MDG-RFM for FMS Application
AR	USMD_SEARCH	/UGI4/_AR_SEARCH	/UGI4/_AR_SEARCH_OVP	Details	MDG-RFM Search UI
AR	USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	/UGI4/_AR_SEARCH_OVP_FMS	Details	MDG-RFM Search UI for FMS

Set Up Search

MDG offers several options to search for the data in change requests including the active and inactive data. The search options are distinguished by their capabilities and their landscape requirements. The main difference is in their capability to include classification data in the search. These are the following options:

- SAP search engine-based search (*TREX* search) offers full search capabilities.

- As of Master Data Governance 7.0 SP2, Feature Pack you can use SAP HANA-based search to connect the MDG database to an SAP HANA-based system for search. See Configuring SAP HANA-Based Search for MDG [External] for more detail.

In MDG-RFM for FMS we don't need TREX Search as FMS is running 100% on a HANA DB so we have the best scenario possible which is:

- Scenario for FMS: MDG-RFM with HANA as primary database. Ideal scenario. No Enterprise Search and no SLT Replication to the HANA secondary Database. Everything in MDG system with the HDB as default: Hana Searches, Hana Duplicate Check, Analytics, HANA Drill-down Search…

Scenario 1: MDG-RFM with HANA as primary database.

If SAP HANA is the primary database, it is not mandatory to maintain the database connection name neither the SLT settings so we can follow this steps directly:
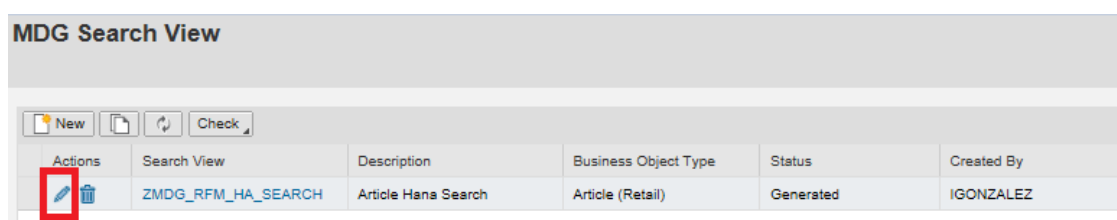
1. Long Text Table Creation and Initial Load: As we include the Long Text in the Search we need to execute a report first to do the initial load of this Texts into the format of the HANA vies.
   In transaction SA38 execute the report MDG_HDB_MAT_MIGRATE_LONGTEXT as a background job. Select the Overwrite target table records checkbox, to perform the initial load of Article long texts to the database table MDGHDB_LONGTEXT. This loads the following long text types: Basic Data Text, Sales Text, Purchase Order Text, and Inspection Text.

2. Active the Search View

   a. To activate the already delivered in the product Hana Search View 'ZMDG_RFM_HA_SEARCH', Navigate to ▶ Master Data Governance ▶ General Settings ▶ Data Quality and Search ▶ Search and Duplicate Check ▶ Create Search View ▶

   b. Click on Edit to Activate the Hana Search View and Provide the below mentioned details for the first guided step called Enter General Data

Field	Value
Search View	ZMDG_RFM_HA_SEARCH
Description	Article Hana Search
Business Object Name	DRF_0017
HANA Package	Package Name
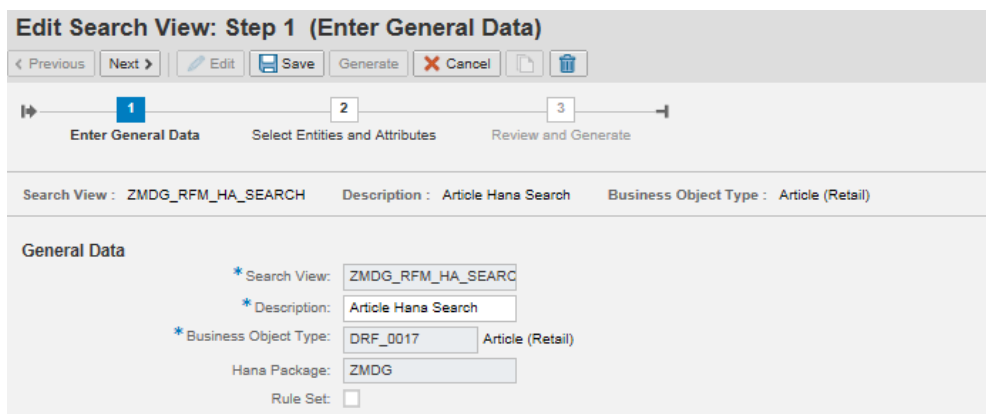
You can activate the Rule Set if you want to adjust your Hana Search later in the HANA Studio. With this you can go attribute by attribute and give your decided attribute characteristics like fuzziness etc. (The Rule set is for saving your manual changes in the HANA studio so next time you generate the view the manual changes are not overwritten)

c. Click on next and move to the next guided step called Select Entities and Attribute, in which select the needed entity and attribute at the Hana database, by default few attribute and entity are selected.

d. Click on next and Move to the next guided step called Review and Generate, in which review the selected Entity and Attribute in the previous step and click on generate.

Verify Data Quality, Search Settings and Duplicate Check

Hana Search Verification and HA Duplicate Check Configuration:

1. In the Delivered Standard, HANA Search Setting, You can verify the following in the below Mentioned steps

a. Existence of entry HA and that Freeform settings are activated if this feature is planned to be used.

Change View "Define Search Application": Overview

New Entries

Dialog Structure
- ▼ Define Search Applicatio
  - ▼ Allocation of Search
    - • Allocation of enti
  - • Allocation of entities
  - ▼ Match Profile
    - • Relevant Fields

Define Search Application

Srch Mode	Access Class	Freeform	Fuzzy	Complex Selection	Description (medium text)
AD	CL_MDG_BS_ADR_SEARCH	☐	☐	☐	Address Search (Fuzzy)
DB	CL_USMD_SEARCH_DATA_DB	☐	☐	☐	Database Search
ES	CL_SDQ_USMD_SEARCH_DATA_IMPL	☑	☑	☑	Enterprise Search
HA	CL_MDG_HDB_SEARCH	☑	☐	☐	HANA Search
RK	CL_SDQ_USMD_REMOTE_KEY_SEARCH	☐	☐	☐	Remote Client Key Search

This entry cannot be removed or deactivated (E-class entry delivered by SAP). You can verify these settings in Customizing by Navigating to ▌ Master Data Governance ⟩ General Settings ⟩ Data Quality and Search ⟩ Search and Duplicate Check ⟩ Define Search Application ⟩

b. Allocation of Search help 'ZMDG_RFM_HA_SEARCH' to Search Application for Hana Search, You can Verify these Setting in Customizing by Navigating to ▌ Master Data Governance ⟩ General Settings ⟩ Data Quality and Search ⟩ Search and Duplicate Check ⟩ Define Search Application ⟩ Allocation of Search help to Search Application ⟩

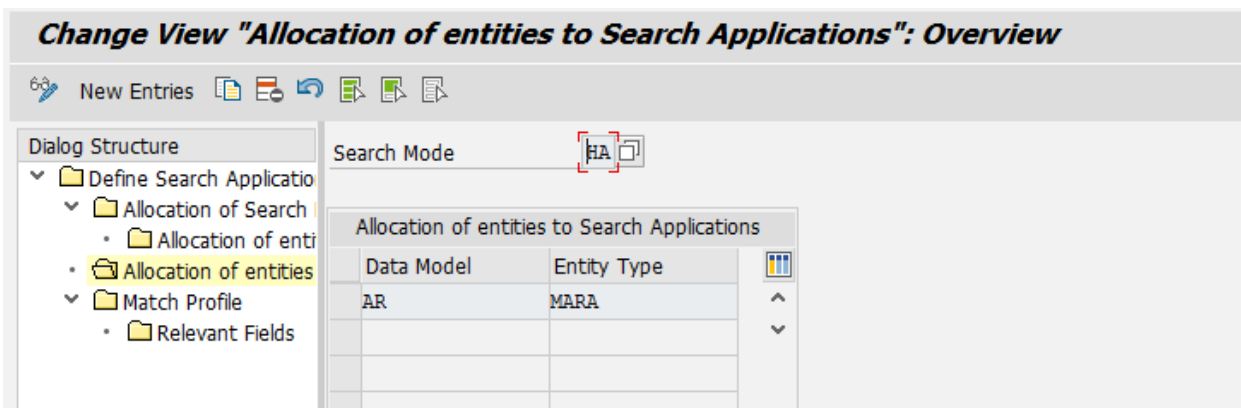**Change View "Allocation of Search Help to Search Applications": Overvi**

New Entries

Dialog Structure
- ▼ Define Search Applicatio
  - ▼ Allocation of Search
    - • Allocation of enti
  - • Allocation of entities
  - ▼ Match Profile
    - • Relevant Fields

Search Mode   HA

Allocation of Search Help to Search Applications

Data Model	Included search help	Description (medium text)	Rule Set Name
AR	ZMDG_RFM_HA_SEARCH	Article Hana Search	

c. As part of Standard, Main Entity is allocated to the Search help, Follow the below Mentioned Screen shot for verifying the same
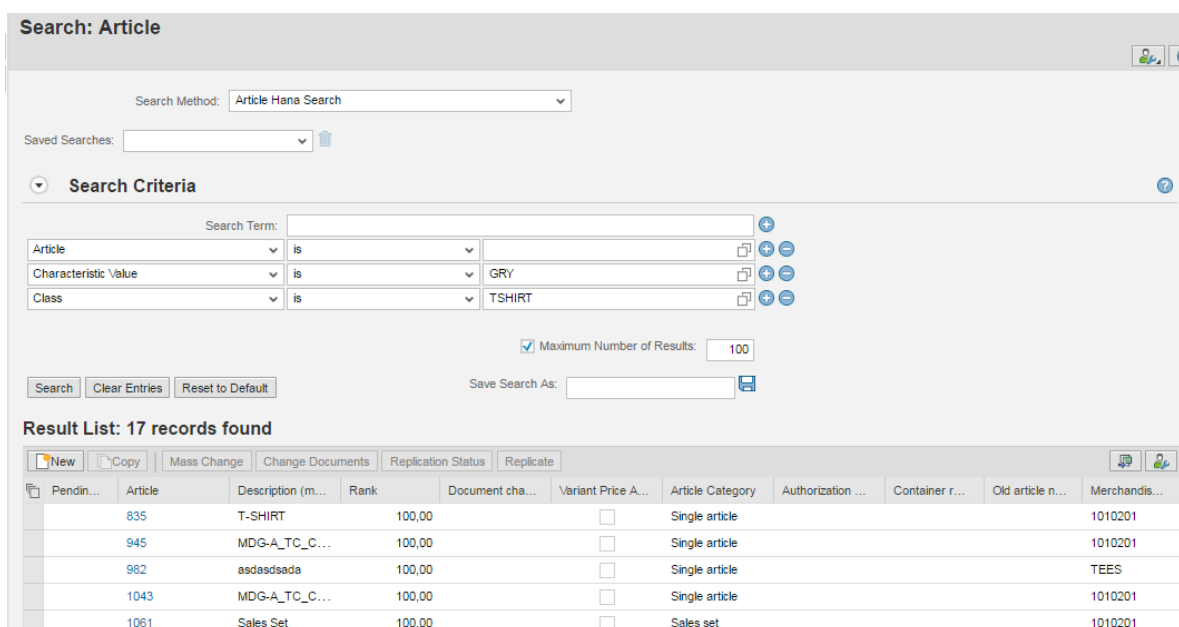

Change View "Allocation of entities to Search Help": Overview

New Entries

Dialog Structure
- ▼ Define Search Applicatio
  - ▼ Allocation of Search
    - • Allocation of enti
  - • Allocation of entities
  - ▼ Match Profile
    - • Relevant Fields

Search Mode   HA
Data Model   AR
Incl.SearchHelp   ZMDG_RFM_HA_SEARCH

Allocation of entities to...

Entity Type
MARA

d. As part of Standard Main Entity is allocated to the Search Application, Follow the below Mentioned Screen shot for verifying the same

**Change View "Allocation of entities to Search Applications": Overview**

New Entries

Dialog Structure	Search Mode	HA
✔ ☐ Define Search Applicatio		
✔ ☐ Allocation of Search	Allocation of entities to Search Applications	
∙ ☐ Allocation of enti	Data Model	Entity Type
∙ ☐ Allocation of entities	AR	MARA
✔ ☐ Match Profile		
∙ ☐ Relevant Fields		

e. Your Search is ready to run:

Search: Article

Search Method:	Article Hana Search
Saved Searches:	

Search Criteria

Search Term:				
Article	is			
Characteristic Value	is		GRY	
Class	is		TSHIRT	

☑ Maximum Number of Results: 100

Search | Clear Entries | Reset to Default | Save Search As:

Result List: 17 records found

New | Copy | Mass Change | Change Documents | Replication Status | Replicate

Pendin...	Article	Description (m...	Rank	Document cha...	Variant Price A...	Article Category	Authorization ...	Container r...	Old article n...	Merchandis...
	835	T-SHIRT	100,00		☐	Single article				1010201
	945	MDG-A_TC_C...	100,00		☐	Single article				1010201
	982	asdasdsada	100,00		☐	Single article				TEES
	1043	MDG-A_TC_C...	100,00		☐	Single article				1010201
	1061	Sales Set	100,00		☐	Sales set				1010201

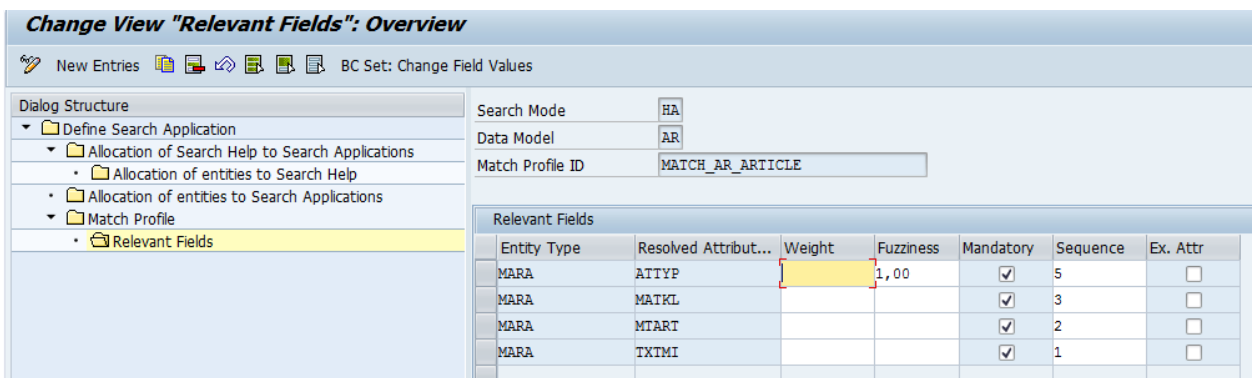2. Configuration of the duplicate check for HANA search

a. Select the Search Mode 'HA' by Navigating to ▶ Master Data Governance ▶ General Settings ▶ Data Quality and Search ▶ Search and Duplicate Check ▶ Define Search Application ▶

b. After Navigating select the Search mode 'HA' and Click on the Match Profile
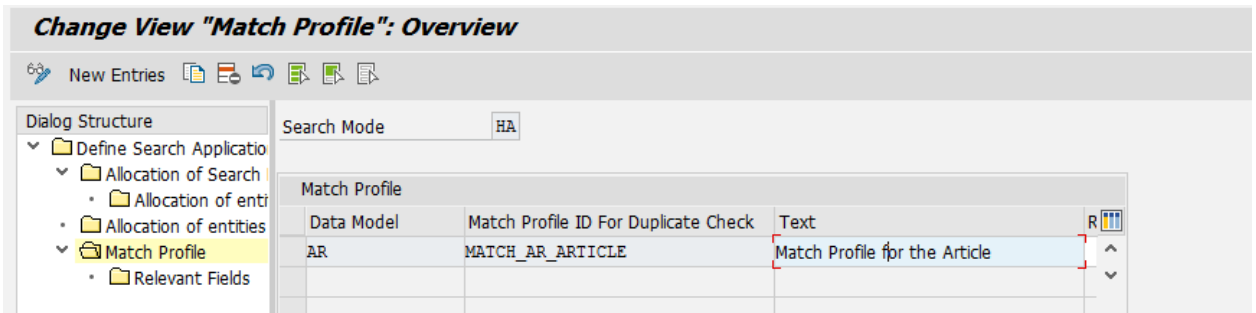
c. If you want to run a duplicate check you have to assign the pre-delivered match profile MATCH_AR_ARTICLE or your own match profile to the data model AR and the MARA entity type. Navigate to ▶ General Settings ▶ Data Quality and Search ▶ Search and Duplicate Check ▶ Match Profile ▶.

d. Duplicate Check relevant fields are added as per the standard delivery, Follow the below Mentioned Screen shot for verifying the same

3. For activating the Duplicate Check in RFM done with HANA Search provider do the following:

Navigate to ▶ General Settings ▶ Data Quality and Search ▶ Search and Duplicate Check ▶ Configure Duplicate Check for Entity Types ▶.
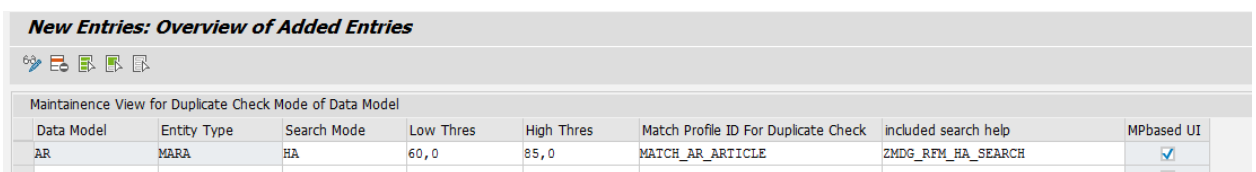
Configure Change Request Settings

Depending on your requirements you might want to adjust and enhance the default change request values.

The following information describes the minimal settings for a basic governance process. For more information about each customizing activity, see the relevant documentation for that customizing activity.

1. Review and/or define which statuses the change requests can have, and which processing options are enabled for those statuses. Optionally, you can add new statuses to be used in the change request types.

   For more information, see Customizing for *Master Data Governance* under ▐▶ *General Settings* ❯ *Process Modelling* ❯ *Change Requests* ❯ *Edit Statuses of Change Requests* ▐.

   The following statuses are delivered for the SAP standard processes.

Status Value	Description	Permitted Processing
00	To Be Evaluated	Change of Object List
01	To Be Considered and Approved	Change of Object List
02	Changes to Be Executed	Execution of Changes
03	To Be Revised	Change of Object List
04	Final Check to Be Performed	No Processing
05	Final Check Approved	No Processing
06	Final Check Rejected	No Processing
07	Activation Failed	No Processing
08	Approved; to Be Replicated	No Processing
09	Dependent Data to Be Processed/Approved	Execution of Changes
10	To Revise: Perform Changes	Execution of Changes
11	Process Errors After Activation	Execution of Changes
12	Approved, Contact Person to be Processed	No Processing
99	No Status Set	No Processing

2. Check that the following business activities are in your system and that they are assigned to the default data model *AR*.

   - FMS1 Article Master Create (FMS)
   - FMS2 Article Master Change (FMS)
   - FMS3 Article Master Display (FMS)
   - FMSA Article Master Mass Change (FMS)

   For more information, see Customizing for Master Data Governance under ▐▶ *General Settings* ❯ *Process Modeling* ❯ *Business Activities* ❯ *Create Business Activity* ▐.

3. Create new change request types for data model *AR*, or validate after import MDG for RFM.

   For more information, see Customizing for *Master Data Governance* under ▐▶ *General Settings* ❯ *Process Modeling* ❯ *Change Requests* ❯ *Create Change Request* ▐.

   The following table shows the change request types for data model *AR*. Only the relevant columns are included.

Change Request Type	Data Model	Description	Single Object	Main Entity Type	Workflow
FMS1	AR	Article Create	Yes	MARA	WS60800086
FMS2	AR	Article Change	Yes	MARA	WS60800086
FMSA	AR	Article Mass Change		MARA	WS60800086

The standard workflow template used by Master Data Governance for article is `WS60800086`. This template is a rule-based workflow which uses *BRF+* decision tables.

There is also a workflow template without *BRF+*, which covers the same processes. If you want to use this template, replace template `WS60800086` with template `WS46000057` in the relevant change request type.

The following settings should exist in the substructures of the change request types:

- **FMS1**
  - Entity type: `MARA`
  - UI Configuration ID:
  - Msg. output: *Standard*
  - Business Activity: Article Master Create (FMS1)
  - Service Level Agreement for Change Request Types: <leave empty>

- **FMS2**
  - Same as `FMS1`
  - Business Activity: Article Master Change (FMS2)

- **FMSA**
  - Same as `FMS1`
  - Msg. output: *W Issue Error Messages as Warnings*
  - Business Activity: Article Master Mass Change (FMSA)

1. Optionally, you can define priorities, reasons, or rejection reasons for change requests. You can enter codes and a short description to tag or classify your change requests. These codes can be used later for change request analytics (process quality analysis). They also can be used to influence the workflow-driven processes. For example, depending on the priority of a change request, you can mark it for special processing.

   Perform the following activity in Customizing for *Master Data Governance* under ▶ *General Settings* ❯ *Process Modeling* ❯ *Change Requests* ❯ *Define Priorities / Reasons / Rejection Reasons for Change Requests* ◀ .

2. Optionally, you can define print forms for change requests. By default, the form *USMD_EDITION_CREQUEST* is used. This is relevant only if your own 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* ◀ .

Variant Splitter Configuration

Note: All the CR's should be activated and there should not be any staging data while maintaining the Splitter by the transaction "/UGI4/MDG_RFM_CFG".
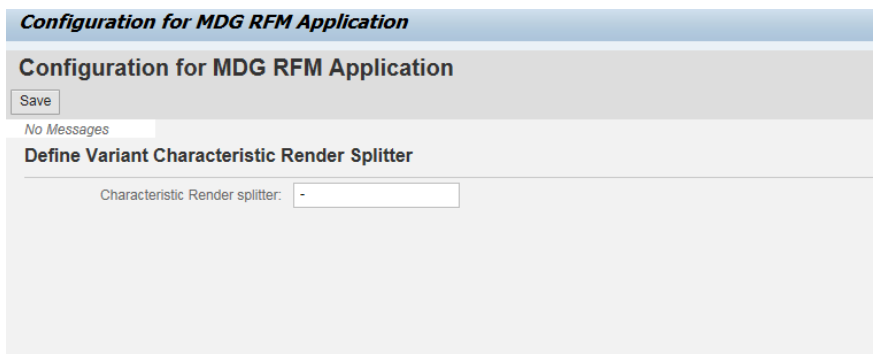
1. After the installation of PAT file , activate the SICF service : WDA_MDG_RFM_CFG

a. Activation Path: SICF -> Services -> SAP-> BC-> Webdynpro-> UGI4 -> WDA_MDG_RFM_CFG (Right Click, select "Activate Service" and from popup, select "Yes to all").
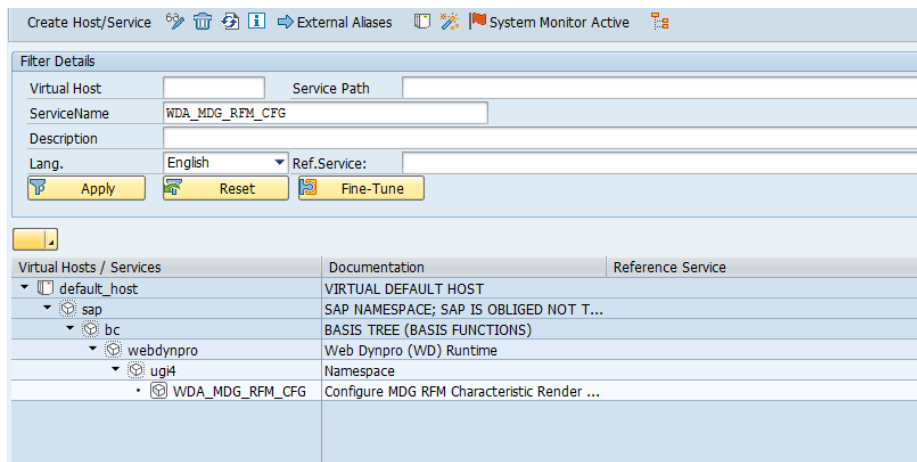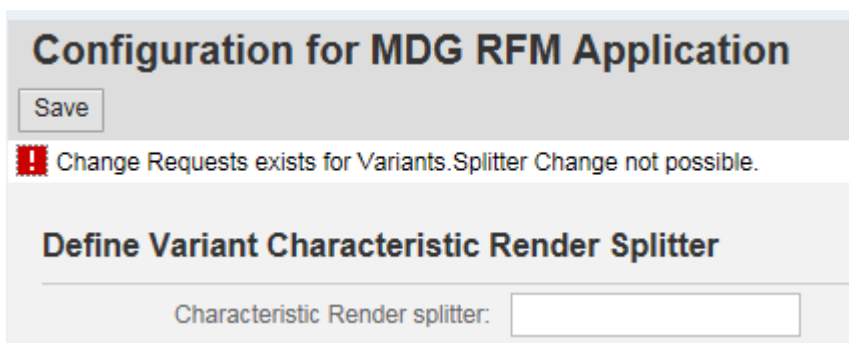

2. Maintained the Splitter by using the transaction code "/UGI4/MDG_RFM_CFG".

3. When no splitter maintained, below error shall be populated on the MDG screens.
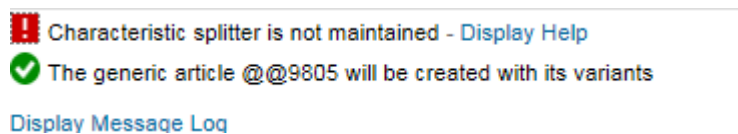
4. When the staging data is not cleared or activated, below error shall be populated on activation of splitter by the transaction code "/UGI4/MDG_RFM_CFG".
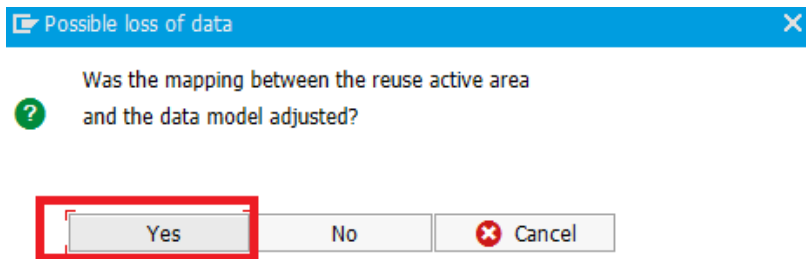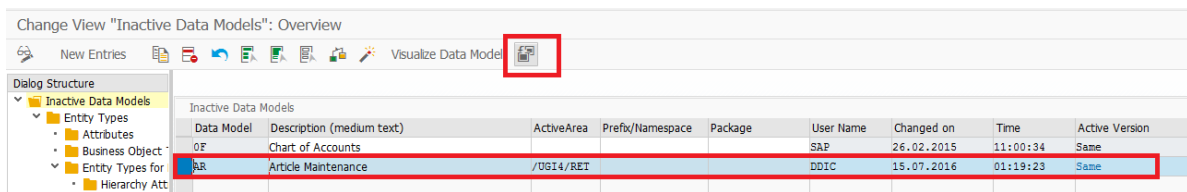
Tasks to do when deploying MDG FMS 8.0 when already MDG RFM 6.0 in your system

- Make sure before deploying the new add on (MDGRFM800), no CR's Related to AR Data Model exist. If you have any open Article CR's you will lose Staging Data in your current CR's.

- Once MDGRFM800 deployed, please proceed to delete CRTYPE AR03 under customizing MDGIMG->General Settings->Process Modelling->Change Requests->Create Change Request Type: Select AR03 and click on delete button, then select All Entries (which will delete all dependent entries too).
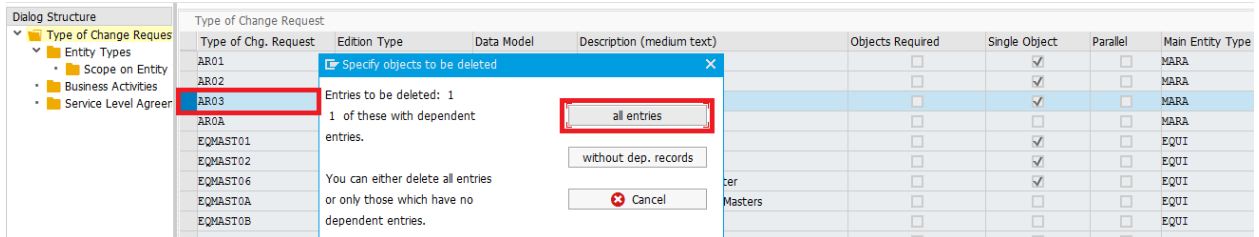
- After Activating the Data Model, please proceed to adjust staging data with the new data model.

- Old Roles should be removed in all USER ID

Configure Workflow Tasks

As a prerequisite you have made the necessary general settings for workflows and defined the organizational plan in Customizing for SAP NetWeaver under ▷ *Application Server* ▷ *Business Management* ▷ *SAP Business Workflow* ▷. Ensure that the active type linkages for Article (`BUS2250`) are set correctly. Follow the instructions in Customizing for MDG under ▷ *General Settings* ▷ *Process Modeling* ▷ *Workflow* ▷ *Activate Type Linkage* ▷. For object type `BUS2250` check that the *Type Linkage Active* indicator is active for the events `CREATED`, `ACTIVATED`, and `ROLLED_BACK`. In addition, check that the *Enable Event Queue* indicator is active for the events `ACTIVATED`, and `ROLLED_BACK`, but not for the event `CREATED`.

The standard workflow template used by Master Data Governance for article is `WS60800086`.

In order to ensure the general assignment of processors using the rule-based workflow, run the following activity in Customizing for Master Data Governance under ▶ *General Settings* ▶ *Process Modeling* ▶ *Workflow* ▶ *Configure Workflow Tasks* ▶.

1. Go to application component CA-MDG-AF and choose *Assign Agents*.
2. Set the *Dialog Processing* (TS 60807954) task as a *General Task*, if it not already set. To do so, select the task, choose *Attributes* and change it to *General Task*.

Alternative procedure using the generic workflow maintenance transaction:

1. Run transaction **SWDD**
2. In the *Workflow* field, enter the workflow template WS60800086, the highest version is automatically chosen.
3. In the *Navigation* area go to step *000073 Dialog Processing* and select it.
4. In the *Task Properties* area, choose *Agent Assignment for Task*. Choose the *Agent Assignment for Task* button.
5. On the next screen select *Dialog Processing* and choose the *Attributes* button.
6. In the *Task* popup select *General Task* and choose *Transfer*.
7. Return to the *Task Properties* list and verify that the status icon beside *Agent Assignment* is green or yellow.

Set Up the Rule-Based Workflow

MDG-RFM uses advanced workflow capabilities by combining the SAP Business Workflow with the SAP Business Rule Framework plus (BRFplus) tool. This section describes how to activate and load the necessary settings for BRFplus.

Check that the steps for Rule-Based Workflow are correctly imported by running the following activity in Customizing: ▶ *General Settings* ▶ *Process Modeling* ▶ *Workflow* ▶ *Rule-based Workflow* ▶ *Define Change Request Steps for Rule-Based Workflow* ▶.

The following are the default steps required for all change request types:

Type of Change Request	Change Request Step	Keys	Successful Validation Required	Description
FMS1	0	Empty	Empty	Processing

FMS1	80	Empty	Empty	Approver
FMS1	90	Empty	Checked	Final Check
FMS1	91	Empty	Empty	Activation
FMS1	92	Empty	Empty	Revision/Cancel BG
FMS1	93	Empty	Empty	Validation
FMS1	95	Empty	Empty	Revision Processing
FMS1	99	Empty	Empty	Complete

Due to technical restrictions further settings cannot be included in the BC-sets. Perform the following checks and take action as required:

1. Run transaction **USMD_SSW_RULE**. And Select Change Request FMS1:

2. Select the Single Value Decision Table, Click on Edit, then in Additional Actions and click on Import from Excel.
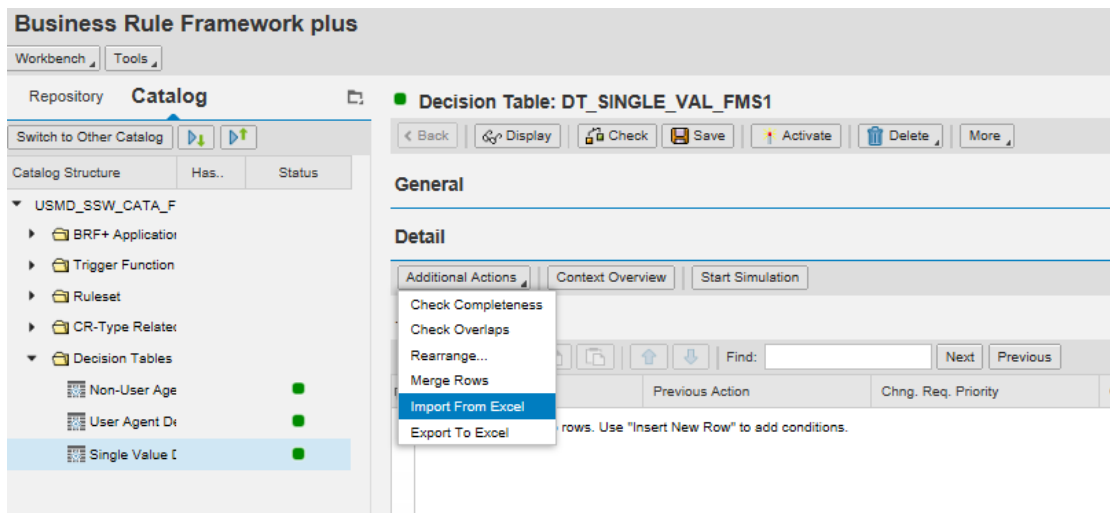
Upload File DT_SINGLE_VAL_FMSX:

(Don't change this file Manually, upload it as it is then you can change data in your Table)

DT_SINGLE_VAL_FM
SX.xlsx

Activate the Table:
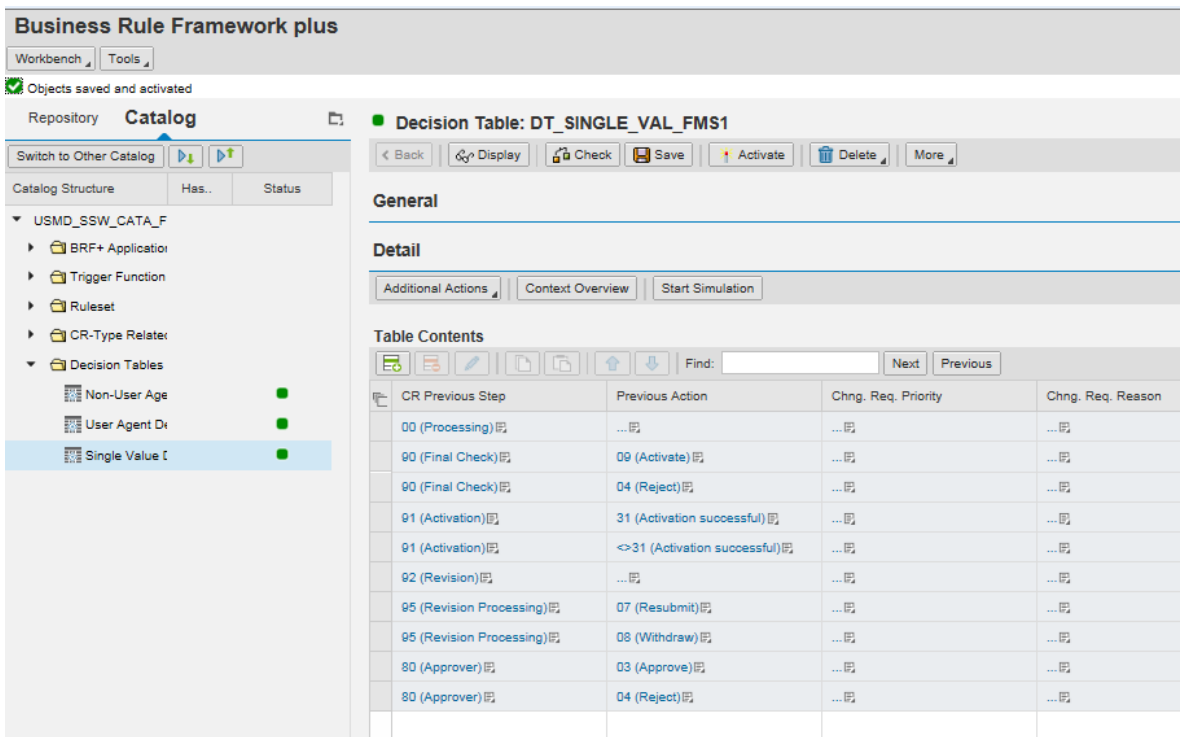
3. Select the User Agent Decision Table, Click on Edit, then in Additional Actions and click on Import from Excel and Activate the Table.

Upload File DT_USER_AGT_GRP_FMSX:
(Don't change this file Manually, upload it as it is then you can change data in your Table)

DT_USER_AGT_GRP_
FMSX.xlsx

4. Select the User Agent Decision Table, click on Edit, then in Additional Actions and click on Import from Excel and Activate the Table.
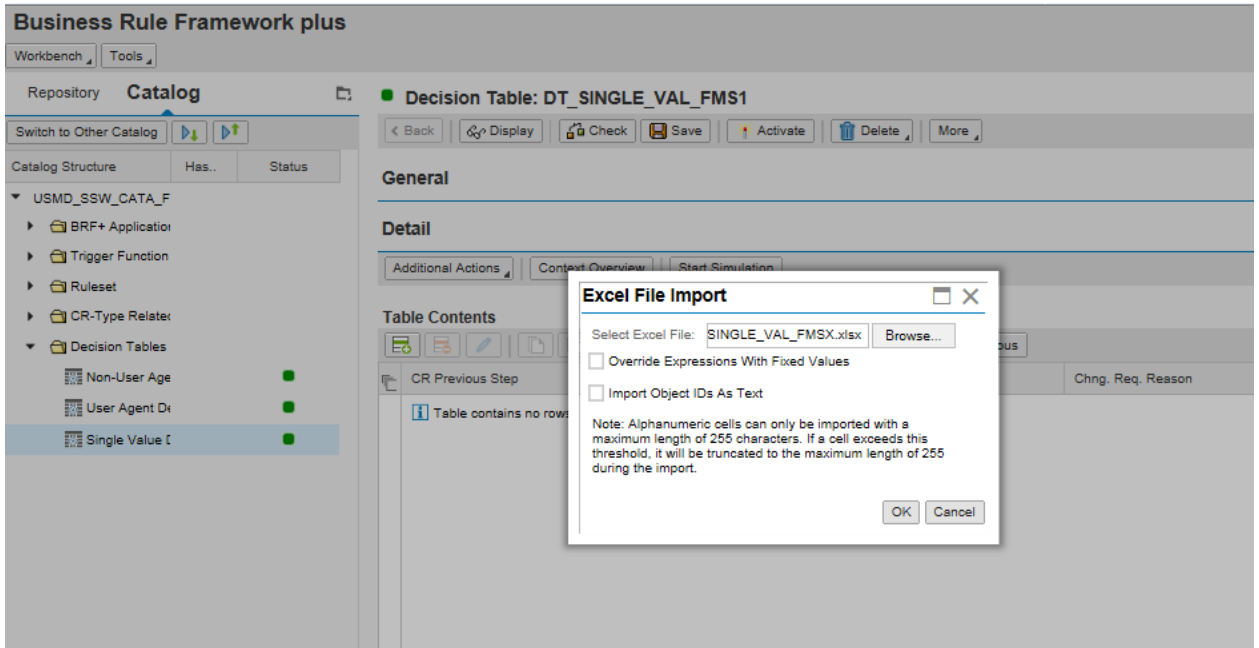
   Upload File DT_NON_USER_AGT_GRP_FMSX:
   (Don't change this file Manually, upload it as it is then you can change data in your Table)

DT_NON_USER_AGT
_GRP_FMSX.xlsx

5. Repeat these steps for all relevant change request types. FMS2 and FMSA.

6. Maintain your content in the decision tables, reflecting your governance process. You can use the pre-delivered SAP content as a starting point.

> i *Note*
>
> If you extend the BRFplus decision tables make sure that the status of the final step is set to *05 Final Check Approved* or *06 Final Check Rejected.*

The following are the minimal settings for the relevant change request types.

- DT_SINGLE_VAL_FMS1
- DT_NON_USER_AGT_GRP_FMS1
- DT_USER_AGT_GRP_FMS1

DT_NON_USER_AGT_GRP_FMS1 and DT_SINGLE_VAL_FMS1 contain the automated steps and follow-up logic used by the BRFplus. The follow-up logic can either result in an automated step or in a user task that will be made visible as a workflow.

The users involved in the Master Data Governance process need to be included in table DT_USER_AGT_GRP_FMS1 so that they can receive and execute the workflow tasks. Maintain agents (for example the users or organizations in the Portal Content and Portal Role Assignment sections of this document) for all change request types and their associated workflow steps. Each condition alias that appears in the DT_SINGLE_VAL_FMS1 table needs at least one processor, either automatic or user (group). Therefore, for all non-automated steps at least one entry needs to exist in DT_USER_AGT_GRP_FMS1.

Conduct this maintenance for all relevant change request types. Further details on the workflow concepts can be found here [External].The following change request types appear in the standard delivery: FMS1, FMS2 and FMSA.

The following step types are pre-delivered by SAP:

Step Type	Short Description	Actions
1	Check Change Request	01 Agree; 02 Disagree
2	Approve Change Request	03 Approve; 04 Reject
3	Process Change Request	05 Finalize Processing; 06 Send for Revision
4	Revise Change Request	07 Resubmit; 08 Withdraw
5	Activate Change Request	09 Activate; 10 Send for Revision
6	Approve Change Request (Without Rejection)	03 Approve; 06 Send for Revision
7	Revise Change Request (Without Rejection)	05 Finalize Processing
8	Activate Change Request	09 Activate; 04 Reject

The following agent types exist:

User Agent Type	Short Description
US	User
O	Organizational Unit
C	Job
S	Position
AG	Role
SU	Special User (Value for requestor: INIT. Value for previous-step user: LAST.)

The following is the standard content pre-delivered by SAP MDG-RFM:

DT_SINGLE_VAL_FMS1/2/A

Previous Step	Previous Action	Condition Alias	New Step	New Change Request Status
00 (Create Change Request)	No value	1	80 (Approver)	02 (Changes to be executed)
80 (Approver)	03 (Approve)	9	90 (Final Check)	02 (Changes to be executed)
80 (Approver)	04 (Reject)	10	95 (Revision Processing)	10 (To Revise: Perform Changes)
90 (Final Check)	09 (Activate)	2	91 (Final Approval)	02 (Changes to be executed)
90 (Final Check)	04 (Reject)	3	95 (Revision Processing)	10 (To Revise: Perform Changes)
91 (Final Approval)	31 (Activation Successful)	4	99 (Complete)	05 (Final Check Approved)
91 (Final Approval)	<>31 (Activation Successful)	5	90 (Final Check)	11 (Process Errors After Activation)
92 (Revision/Cancel BG)	No value	6	99 (Complete)	06 (Final Check Rejected)
95 (Revision Processing)	07 (Request Again)	7	90 (Final Check)	02 (Changes to be executed)
95 (Revision Processing)	08 (Withdraw)	8	92 (Revision/Cancel BG)	02 (Changes to be executed)

DT_USER_AGT_GRP_FMS1/2/A

COND_ALIAS	AGENT_GROUP	STEP_TYPE	USER_TYPE	USER_VALUE
1	001	2 (Approve Change Request)	AG	/UGI4/MDGRFM_FMS_STEW
5;7,9	001	8 (Activate Change Request)	AG	/UGI4/MDGRFM_FMS_SPEC
3	001	4 (Revise)	SU	INIT

DT_NON_USER_AGT_GRP_FMS1/2/A

COND_ALIAS	AGENT_GROUP	PROCESS_PATTERN

2	001	06 (Activation (Bypass Snapshot))
4;6	001	99 (Complete (Sub-)Workflow)
8	001	08 (Roll back change request)

Notes

- It is necessary to activate your new entries for each of the three decision tables.

- The quickest way to allow users to participate in any workflow step for testing purposes is assigning the roles below to their user ID in SU01:
  - */UGI4/MDGRFM_FMS_SPEC* (The MDG-RFM Specialist role of **PFCG/SU01**)

  - */UGI4/MDGRFM_FMS_STEW* (The MDG-RFM Steward role of **PFCG/SU01**)

- If the system cannot find a processor for your change requests check the background steps of the change requests workflow log to see if a work item with the description *Set Status x for Change Request y* is in process or in error. If this is the case regenerate the authorization profile of `SAP_ALL` or include `USMD*` authorization objects into the authorization for the user WF-Batch.

- Choosing the process pattern *06 Activation (Bypass Snapshot)* means that the article will be activated, even if the article record was changed in the backend system since the change request was created. Any backend changes are lost upon activation.

Setup Data Replication

For Master Data Governance – Retail and Fashion Management (MDG-RFM), the data can be replicated to the connected systems and clients.

Setup Data Replication using ALE

The following process describes the minimal settings required for the message type *ARTMAS*.

1. Verify logical systems

   Run transaction *SALE* and choose ▶ *Basic Settings* ❯ *Logical Systems* ❯. Both clients (source and target) need to be defined as logical systems and need to be assigned to the relevant clients.

2. Check communication

   Run transaction *SALE* and choose ▶ *Communication* ❯ *Created RFC Connections* ❯. The target partner system has to be defined here as an ABAP connection with a connection type of 3 and with same name as the target logical system. Perform a connection test.

3. Maintain distribution Model

   1. Run transaction SALE (Run transaction SALE (Display ALE Customizing) and choose ▶ *Modeling and Implementing Business Processes* ❯ *Maintain Distribution Model and Distribute Views* ❯. Alternatively, run transaction BD64 (Maintenance of Distribution Model).

2. In change mode, create a new model

   Choose the *Create Model View* pushbutton. Enter a short text and a technical name.

3. Choose the *Add Message Type* pushbutton for the newly created model.

4. Enter names for the logical source and destination systems and choose message type ARTMAS.

4. Create Partner Profile
   1. Run transaction SALE and choose ▶ Partner Profiles ❯ Generate Partner Profile◀. Alternatively, run transaction BD82 (Generate Partner Profiles).
   2. Select the newly created model and in the *Partner System* field, enter the logical destination system.
   3. Enter the ALE-User (the default value is `ALEREMOTE`) and the following values, and execute.

Field	Value
Version	3
PackSize	100
Output Mode	Transfer IDoc immediately
Inb. Parameters: Processing	Trigger Immediately

   4. To verify your settings, run transaction *WE20* and from the *Partner Profiles* menu, choose *Partner Type LS*. Verify that *Partner type LS* is the logical destination system.

   5. In the detail screen, the message type ARTMAS should appear.

5. Distribute model view to receiving system
   1. Run transaction SALE and choose ▶ *Modeling and Implementing Business Processes* ❯ *Maintain Distribution Model and Distribute Views*◀ . Alternatively, run transaction BD64.

   2. Select the new model and choose ▶ *Edit* ❯ *Model view* ❯ *Distribute*◀ .

   3. Verify that the correct receiving system is marked and choose `Enter`.

   4. Verify within the receiving system that the model view was created.

6. Create Partner Profile (in receiving client)
   1. Run transaction SALE and choose ▶ *Modeling and Implementing Business Processes* ❯ *Partner Profiles* ❯ *Generate Partner Profiles*◀. Alternatively, run transaction BD82

   2. Select the distributed model

   3. Enter the ALE-User and the following values and execute.

Field	Value
Version	3
PackSize	100
Output Mode	Transfer IDoc immediately

Inb. Parameters: Processing	Trigger Immediately

i

> 4. If the Protocol contain the error *Port could not be created* this can be ignored.

7. Check that the correct process code is being used. To do this go to the details for the inbound parameter message types and in the *Inbound Options* check that the parameter *Process Code* is AFSA for Message Type ARTMAS.

    You can test the distribution using transaction *BD10*. Verify the results in the receiving client using transaction `BD87` .

Setup Analytics for MDG

MDG comes with a small set of BI queries that support the visual analysis and overall monitoring of the change requests. They are included in Web Dynpro Applications (List View) and one dashboard which is based upon Xcelsius So, BI Java Server and a browser with flash plug-in is are the prerequisites to access the information. MDG Analytics is based on operational analytics in ECC. The Infoprovider is an ODP (Operation Data Provider) which is located in the ECC system and not in BW.

Refer to the document: MDG_Analytics_BI_Content_Activation for more details.

Note: Ensure that the following services are activated:

- MDG_MONITOR_CR_PROCESTIME - Application Configuration for Monitoring CR Processing Time
- MDG_CR_PROCESTIME_TREE – Processing Time
- MDG_ANLY_CR_REJ_REASON - Change Request Rejection reason

Choose where you want to run SAP Master Data Governance

You can run SAP Master Data Governance in either of the following environments:

- SAP NetWeaver Portal
- SAP NetWeaver Business Client

SAP NetWeaver Portal

The SAP NetWeaver Portal content for MDG for material is derived directly from the system **PFCG** roles. To create SAP NetWeaver Portal roles for your users you must log on to your portal and upload the content information from your back-end system **PFCG** roles.

To upload your portal content to the portal do the following:

1. Set up your 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 to.
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 MDG system.

5. From the list displayed select the `MARA` roles you want to upload the content from and begin the upload.

Once uploaded you must assign and personalize the MDG portal roles 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 want to add.
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 role information see SAP Note 1685257 [External].

SAP NetWeaver Business Client

If you are running SAP Master Data Governance on the SAP NetWeaver Business Client (and not on the SAP NetWeaver Portal), you need to create, define, and configure the roles for the Business Client in the SAP ERP system. There are four roles containing authorization and navigation information and one role (`/UGI4/MDGRFM_FMS_MENU`) containing only navigation information.

To assign and personalize the roles Master Data Governance for RFM proceed as follows:

1. On the SAP Easy Access screen, choose *Tools* *Administration* *User Maintenance* *Role Administration* *Roles* or alternatively, run transaction **PFCG** (Role Maintenance). Choose role `/UGI4/MDGRFM_FMS_MENU`.
   This role ensures that the necessary steps can be started without using the SAP NetWeaver Portal. This can be used for testing or if the portal is inactive.
2. Verify the setting of the authorization objects within the roles and restrict them if required.
3. On the SAP Easy Access screen, choose *Tools* *Administration* *User Maintenance* *Users*. Run transaction **SU01** (User Maintenance) and assign the Master Data Governance for Material: Menu role (`/UGI4/MDGRFM_FMS_MENU`) for application to the MDG user.

Repeat these steps to assign additional authorization roles to your users.

Final Steps

SAP recommends to regenerate the data model again at the end of these setup steps to ensure clear code generation.