



PUBLIC

How-To

Extend MDG for FI Contract Account by a New Field

Applicable releases:

From MDG 7.0 and from SAP S/4HANA 1511
From EHP6 for SAP ERP 6.0 and from S/4HANA 1511
From MDG 9.1 SP01 and from S/4HANA 1709

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1.0	First official release of this guide (November 2017)
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1. Business Scenario

SAP Master Data Governance provides business processes to find, create, change, and mark master data for deletion. It supports the governance of master data in a central hub and the distribution to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, and the collaboration of all users participating in the master data maintenance.

This How To Guide describes the solution to enhance MDG FI Contract Account with new fields.

- + *

2. Step by Step Explanation Field Extension with New Field

The following explanation shows you how to include a custom field into MDG.

2.1. Create New Field in CI Include

The following CI includes can be enhanced with a new field:

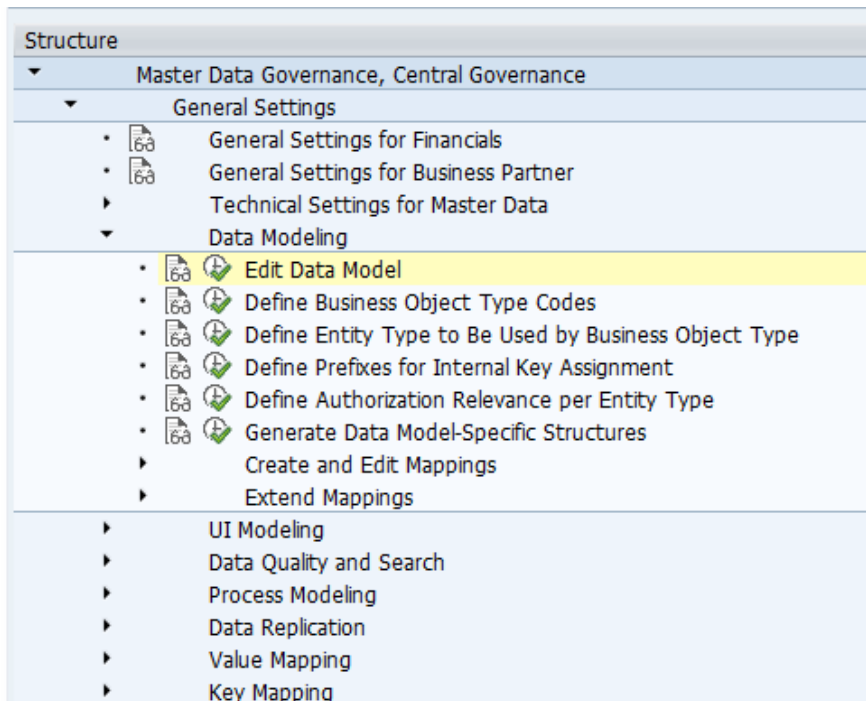
- CI_FKKVK of table FKKVK (*)
- CI_FKKVKP of table FKKVKP
- CI_FKKVKP2 of table FKKVKP
- CI_FKKVKP_SP1 of table FKKVKP
- CI_FKKVKP_FIS of table FKKVKP
- CI_FKKVKP_UK of table FKKVKP

*If you want to enhance the CI_FKKVK include for table FKKVK, first read SAP Note 2859822.

Run transaction SE11, and enter table FKKVK or FKKVKP. Double-click the CI include you want to extend. If the CI include was not enhanced before, choose “Yes” in the dialog box to create the structure. Enter a description, and add the new field. Save and activate your changes.

2.2. Extend MDG Data Model

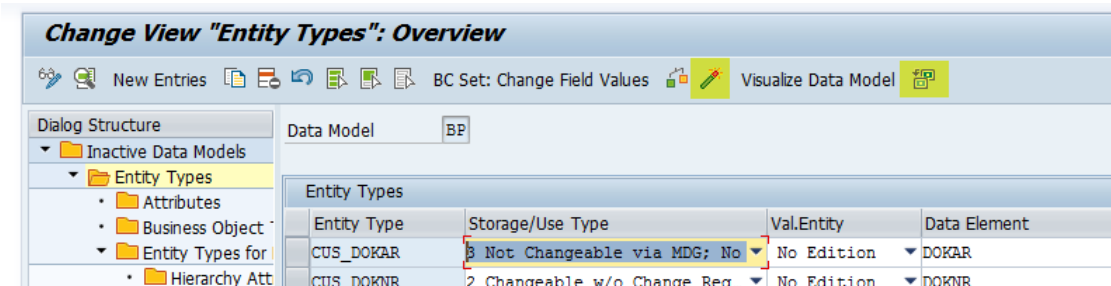
Run transaction MDGIMG, and select the activity “Edit Data Model” under *Master Data Governance, Central Governance* → *General Settings* → *Data Modeling*.



Select data model “BP”, and double-click the “Entity Types” sub-node in the dialog structure. Depending on the table in which you enhanced the CI include, select either entity type “FKKVK” or “FKKVKP”. Double-click “Attributes” in the dialog structure. Choose the “New Entries” button to create a new entry.

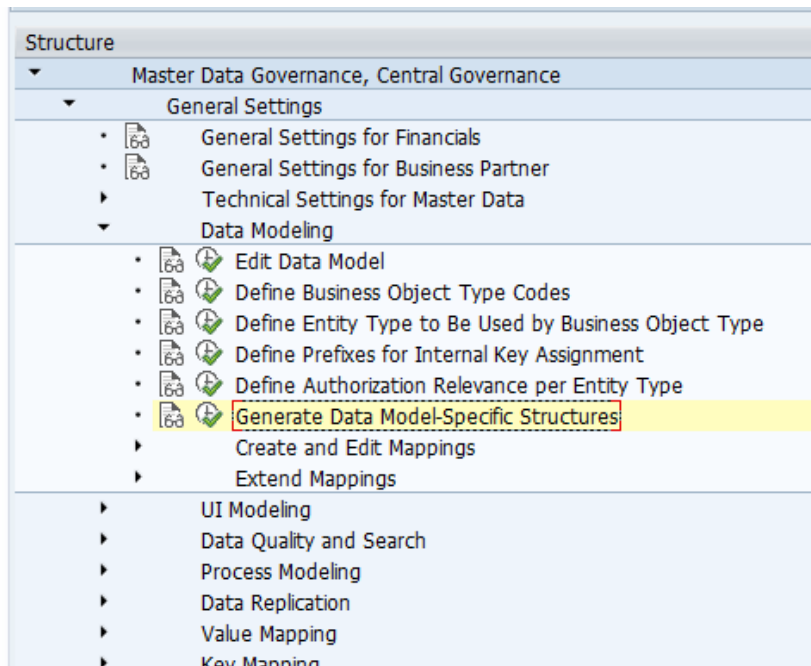
To add your attribute, enter “ZZ” followed by the technical name of the data element, e.g., “ZZDOKAR”. Save your changes.

Double-click the “Entity Types” sub-node. Choose “Activate”. Choose “Adjust Staging Area of linked Change Requests”, and select “Yes” in the dialog box.



2.3. Generate Structures

Run transaction MDGIMG, and select the activity “Generate Data Model-Specific Structures” under *Master Data Governance, Central Governance* → *General Settings* → *Data Modeling*.



Select data model “BP”, and double-click the “Structures” sub-node in the dialog structure. Depending on the table you enhanced in step 1, select all “FKKVK” or “FKKVKP” entity types. Choose the “Generate Selected Structures” button.

Change View "Structures": Overview

BC Set: Change Field Values Generate Selected Structures

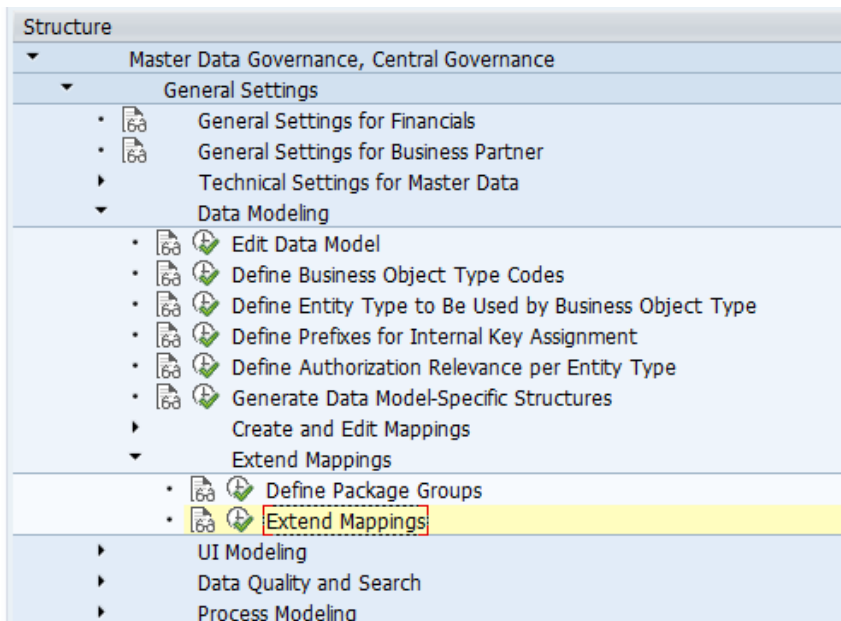
Dialog Structure: Data Models > Structures

Data Model: BP

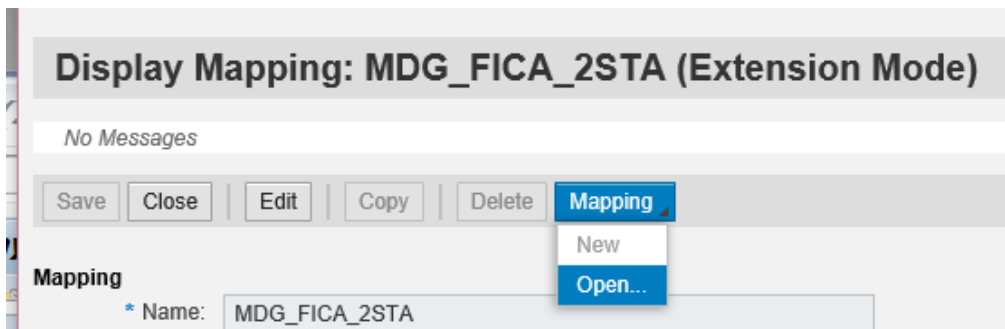
Entity Type	Where Used	Prefix/Namespace	Name of Structure	Package
FKKVKCORR	3 Mapping of Reuse Active A...	/MDGBPX/	PP_FKKVKCORR	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKCORR	5 Search Application	/MDGBPX/	ES_FKKVKCORR	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKCORR	7 Field Properties for Attr...	/MDGBPX/	FP_FKKVKCORR	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKCORR	8 Key Fields of an Entity T...	/MDGBPX/	KY_FKKVKCORR	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKP	3 Mapping of Reuse Active A...	/MDGBPX/	PP_FKKVKP	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKP	5 Search Application	/MDGBPX/	ES_FKKVKP	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKP	7 Field Properties for Attril...	/MDGBPX/	FP_FKKVKP	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKP	8 Key Fields of an Entity T...	/MDGBPX/	KY_FKKVKP	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKTD	3 Mapping of Reuse Active A...	/MDGBPX/	PP_FKKVKTD	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKTD	5 Search Application	/MDGBPX/	ES_FKKVKTD	/MDGBPX/MDG_ECC_FICA_STRCS
FKKVKTD	7 Field Properties for Attr...	/MDGBPX/	FP_FKKVKTD	/MDGBPX/MDG_ECC_FICA_STRCS

2.4. Create Field Mapping

Run transaction MDGIMG, and select the activity “Extend Mappings” under *Master Data Governance, Central Governance* → *General Settings* → *Data Modeling*.

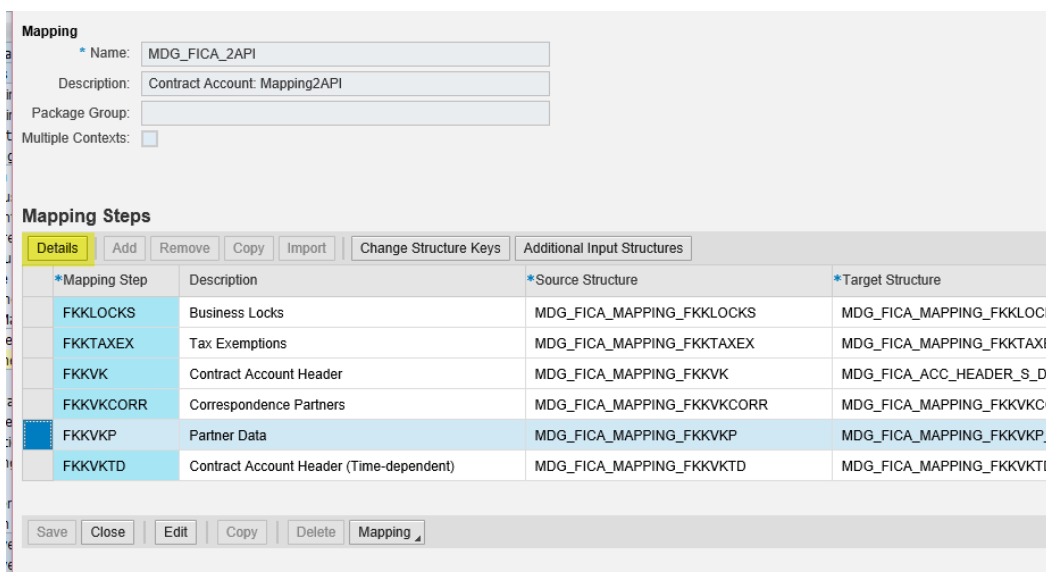


Choose “Mapping” → “Open”.



Enter “MDG_FICA_2API”, and choose “OK”.

In the table, select the mapping step “FKKVK” or “FKKVKP”, and choose “Details”.



Open the “Transformations” tab, and choose “Edit”. Choose “Add” to create a new transformation. This will add a new row to the table. Select “Field Mapping” as the Transformation Type.

Save Close **Edit** Copy Delete Mapping

Extension
 * Owner: Customer Enhancement
 Switch:

Field Checks Transformations

Add Remove Copy Move Up Move Down

Order	*Transformation Type	Conditional
00001	Field Mapping	<input type="checkbox"/>
00001	Field Mapping	<input type="checkbox"/>

Expand both trees in the target structure table and in the source structure table. In the target structure, select the field you created in the CI include (step 1). In the source structure, select the field you created in the data model (step 2). Choose “Map”. This will add a new row to the table “Field Mapping”.

Field Mapping

Add Remove

*FIELD	Source Structure	Source Field	Fixed Value	Conversion Class	Reference Type	Field type	Data Type	Number of Characters	Decimal Places	Description
ZZ_FIELD_	MDG_FICA_MA	ZZFIELD_E			<input type="checkbox"/>					

Tree structures are available to the user to automatically Assign or Map structure fields to a Field Check, a Condition, a Complex Transformation, or a Mapping using the appropriate button. [Hide](#)

Target Structure

Assign

Name: MDG_FICA_MAPPING_I

Name	Is Used
INV_CYCLE_START	<input checked="" type="checkbox"/>
INV_CURR	<input checked="" type="checkbox"/>
KOFIZ_SC	<input type="checkbox"/>
ZAHLKOND_SC	<input type="checkbox"/>
GSBER_SC	<input checked="" type="checkbox"/>
KTOKL_SC	<input type="checkbox"/>
INTPER_SC	<input type="checkbox"/>
INTPEROFF_SC	<input type="checkbox"/>
XSALD_SC	<input type="checkbox"/>
ZZ_FIELD_EXT	<input checked="" type="checkbox"/>

Assign

Source Structure

Assign

Name: MDG_FICA_MAPPING_FK

Name	Is Used
STOPD	<input checked="" type="checkbox"/>
STOPG	<input checked="" type="checkbox"/>
STRAT	<input checked="" type="checkbox"/>
UEBTR	<input checked="" type="checkbox"/>
VERTYP	<input checked="" type="checkbox"/>
VKONV	<input checked="" type="checkbox"/>
VKPBZ	<input checked="" type="checkbox"/>
VWNZA	<input checked="" type="checkbox"/>
ZZFIELD_E	<input checked="" type="checkbox"/>
ZZGSBER	<input checked="" type="checkbox"/>

Assign

Map

Choose “Save”.

Choose “Mapping” → “Open”. Enter “MDG_FICA_2STA”, and choose “OK”.

Select the mapping step “FKKVK” or “FKKVKP”, and choose “Details”.

Open the “Transformations” tab, and choose “Edit”. Choose “Add” to create a new transformation. This will add a new row to the table. Select “Field Mapping” as the Transformation Type.

Expand both trees in the target structure table and in the source structure table. In the target structure, select the field you created in the data model (step 2). In the source structure, select the field you created in the CI include (step 1). Choose “Map”. This will add a new row to the table “Field Mapping”.

Choose “Save”.

2.5. Add New Field to UI

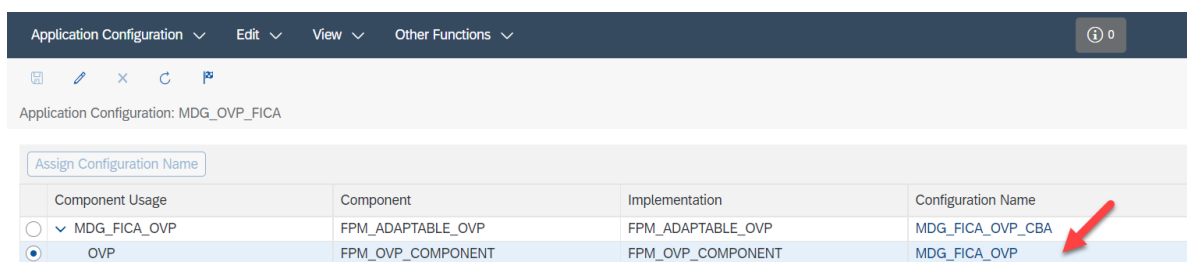
Run transaction NWBC, and select “SAP_MDGFICA_MENU”. Select “Search Contract Account”. Choose “Search”. Select one of the contract accounts.

If you added the new field to the table FKKVKP, you could enhance the account header area of the contract account.

If you added the new field to the table FKKVKP, you could enhance the following areas of the Business Partner UI: Account Management, Payments, Taxes, and Dunning/Correspondence. Choose “Details” to open the business partner data (if you created a new contract account, choose “New”).

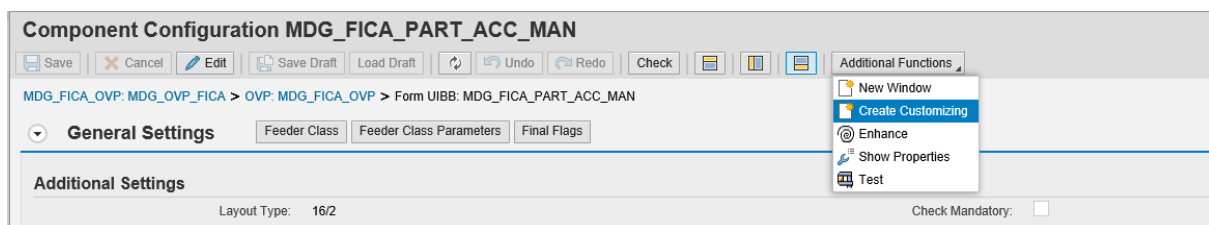
Determine the area where you want to place your new field.

Use SE80 and open package MDG_ECC_FICA_BOLUI MDG_FICA_OVP. Select the FPM Application Configuration MDG_OVP_FICA and Start Configurator and choose Display. Click on the Configuration MDG_FICA_OVP.

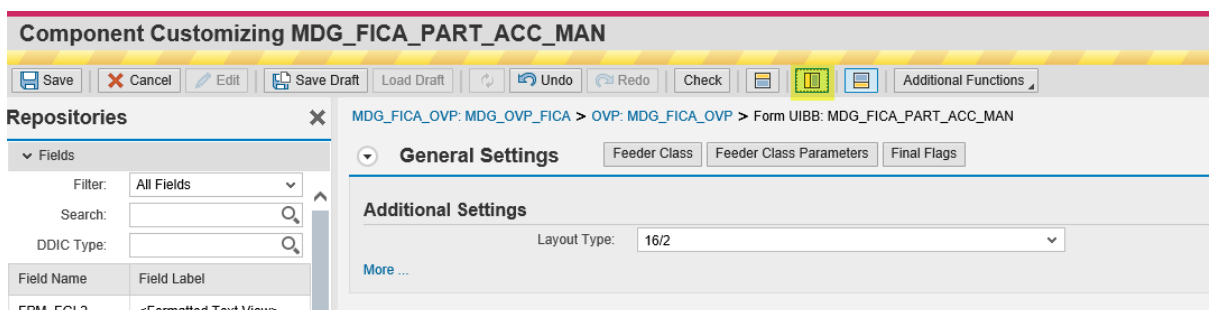


Select the UIBB, which you want to enhance.

Choose “Additional Functions” → “Create Customizing” in the header menu.



Enter a description. Select a transport. Choose the “Repositories” button in the header menu to display all repository objects in a split view.



Add the new field, which is displayed in the view on the left, to the UI using drag and drop. In the “Attribute” area, select “Drop-Down List Box” as the display type. In the “Action Assignment” Area select “FPM_REFRESH (Refresh)” as “FPM Event ID for on Select”.

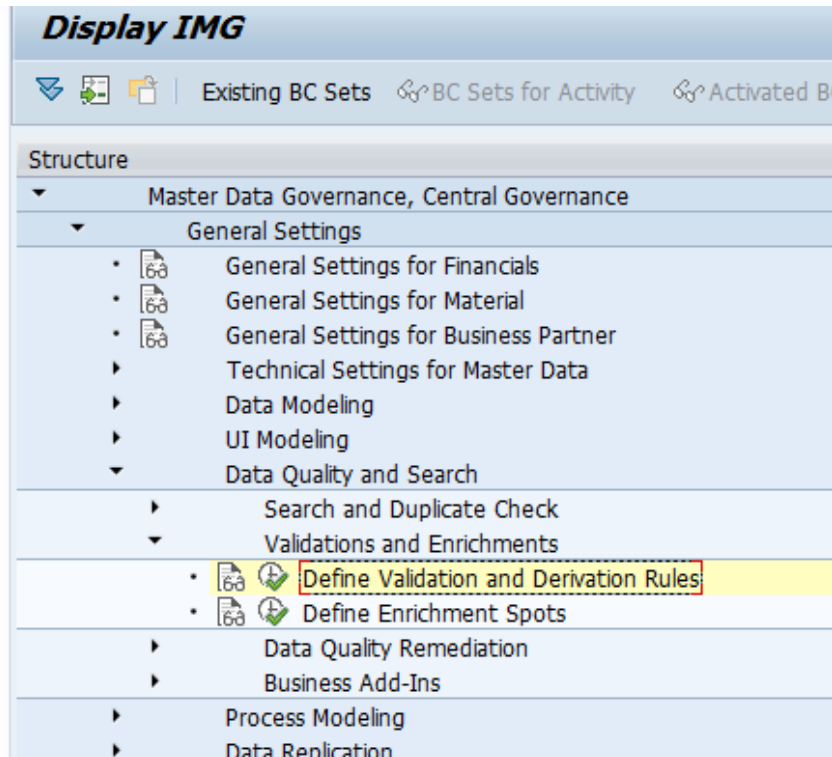
Choose “Save”.

Close all UI configuration windows, and close the business partner UI. Re-open the contract account, and choose “Details” in the business partner area to verify that the new field was correctly added to the UI

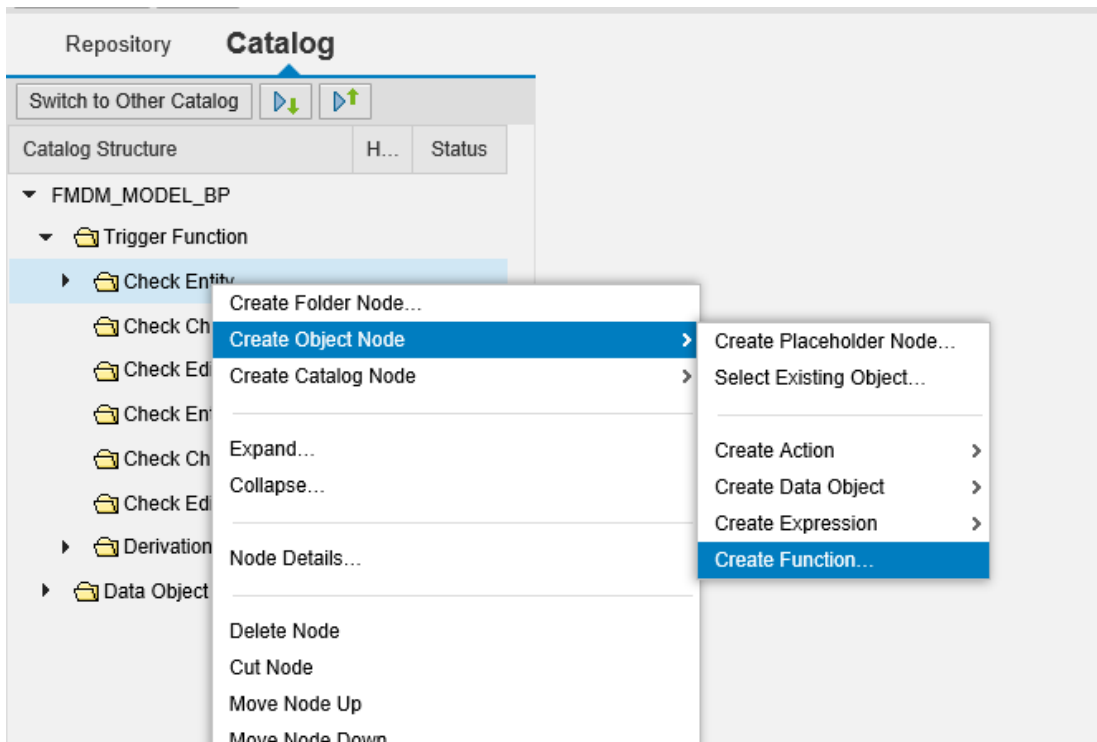
2.6. Check for Mandatory Fields with BRF+

You can add a check on field level to make sure that the fields contain values. This check turns regular fields into mandatory fields. To add a check for mandatory fields, do the following (the field “Business Area” is used as an example):

Run transaction MDGIMG. Select the activity “Define Validations and Derivation Rules” under *General Settings* → *Data Quality Search* → *Validations and Enrichments*.



Enter Data Model “BP”, and choose “Continue”. Open the “Catalog” tab, and expand the “Trigger Function” node. Right-click the “Check Entity” node to open the context menu. Select “Create Object Node” → “Create Function”.



In the “Name” field, enter “CHECK_FKKVKP”. Note that the name must adhere to the naming convention CHECK_<entity>. Since the field “Business Area” belongs to the entity “FKKVK”, the name of the Business Area is “CHECK_FKKVKP”. The connection of the field to an entity is defined in the data model (see chapter Field Extension with New Field, step 2).

In both the “Short Text” and the “Text” field, enter “CHECK_*”. Substitute “*” for the entity to which the field belongs, e.g., “CHECK_FKKVKP”. Choose “Create and Navigate To Object”. In the dialog box, choose “OK”.

 The screenshot shows the 'Create Function' dialog box. It has a title bar with a close button. The fields are: 'Type' (set to 'Function'), '* Name' (set to 'CHECK_FKKVKP'), 'Short Text' (set to 'CHECK_FKKVKP'), 'Text' (set to 'CHECK_FKKVKP'), and 'Application' (set to 'FMDM_MODEL_BP'). At the bottom, there are three buttons: 'Create', 'Create And Navigate To Object' (which is highlighted with a yellow box), and 'Cancel'.

Choose “Edit”, and choose “Add Existing Data Object”. Enter the name of the of the field’s entity for which you want to create a new check. For example, enter “FKKVKP” for the search criterion “Name”. Choose “Search”, and select the relevant entity.

Object Query



[Hide Search Fields](#)

Search Criteria

Application Name	is equal to	FMDM_MODEL_BP	+ -
Data Object Type	is equal to	Any	+
Name	is equal to	FKKVKP	+ -
Text	is equal to	*	+ -

Also include objects from default BRFplus application: ☐

Maximum Number of Results:

Result list: 1 objects found

<input type="button" value="Previous"/>	<input type="button" value="Next"/>	<input type="button" value="Show All Objects"/>	<input type="button" value="Where Used"/>
Object	Status	Type	Application
▶ Contract Account Par	■	Structure	FMDM_MODEL_BP

Choose “OK”. Open the “Assigned Rulesets” tab, and choose “Create Ruleset”. In both the “Name” and “Text” field, enter “BUSINESS_AREA_RULESET”. In the “Short Text” field, enter “BUSINESS_AREA_RULE”.

Create Ruleset

Type: Ruleset

* Name: BUSINESS_AREA_RULESET

Short Text: BUSINESS_AREA_RULE

Text: BUSINESS_AREA_RULESET

Application: FMDM_MODEL_BP

Choose “Create And Navigate To Object”. In the dialog box, choose “Yes”. In the “Rules” area, select “Insert Rule” → “Create”.

◆ Ruleset: BUSINESS_AREA_RULESET

General

Detail

Rules

Enter a description for the rule, and select “Assign Condition” → “Use Value Range From...” → “Context” → “More...”. Select the field for which you want to create a check.

Create Rule

Valid from 00:00:00 until 00:00:00

Description:

If Assign Condition...

Then

Else

Context

- Bank ID - Outg.
- Bus. Partner ID
- Bus. Partner ID
- Bus. Partner ID
- Bus. Partner ID
- Bus. Partner ID
- Business Area
- Contract Acct
- Field Ext.
- Validity Date
- More...

In the drop-down menu next to the field name, select “is initial”. For “Then”, select “Add” → “Perform Action” → “Create...”.

Create Rule

Valid from until
Description:

If

Business Area

Then Add

Else

- Assign Value to Context >
- Initialize Context Value >
- Process Expression >
- Perform Action >**
 - Select...
 - Create...**
- Process Rule >

Select “Log Message (Action)” as “Type”. Enter a name for the object, e.g., “MSG_BUSINESS_AREA”, as well as a short text and text. Choose “Create And Navigate To Object”.

Create Object



General data

Type:
* Name:
Short Text:
Text:
Application:
Is Reusable: ☒

Enter a meaningful message text, e.g., “Enter a value for Business Area”, and choose “Type” “Error”. Choose “Save” and “Activate” in the header area to activate the error message.

Choose “Back” to navigate to the rules again. Choose “Save” and “Activate” again to activate the rules.

Choose “Back” to navigate to the function again. Choose “Save” and “Activate” again to activate the function.

• + *

3. Additional Information

3.1. Further Reading

Information on SAP MDG on SAP S/4HANA

- Exchange knowledge: [SAP Community](#) | [Q&A](#) | <https://blogs.sap.com/tags/67837800100800004488/Blog>
- Try SAP Master Data Governance on S/4HANA for free: [Trial Version](#)
- Learn more: [https://blogs.sap.com/2020/10/08/benefit-from-sap-master-data-governance-on-sap-s-4hana-2020/Latest Release](https://blogs.sap.com/2020/10/08/benefit-from-sap-master-data-governance-on-sap-s-4hana-2020/Latest%20Release)] | <https://blogs.sap.com/2020/03/12/upcoming-webinars-about-consolidation-and-data-quality-management-with-sap-master-data-governance-on-s-4hana/Webinars>] | [Help Portal](#) | [How-to Information](#) | [https://blogs.sap.com/2020/07/21/sap-master-data-governance-at-a-glance/Key Presentations](https://blogs.sap.com/2020/07/21/sap-master-data-governance-at-a-glance/Key%20Presentations)]

SAP Roadmap Explorer

- Please see the [roadmap for SAP Master Data Governance](#)

Related Information

- Learn more: [Floorplan Manager for Web Dynpro ABAP](#) | [How to Adapt FPM](#) | [https://blogs.sap.com/2021/03/02/how-to-create-enhance-and-adapt-floorplan-manager-applications-for-sap-ui-7.55/FPM Blog](https://blogs.sap.com/2021/03/02/how-to-create-enhance-and-adapt-floorplan-manager-applications-for-sap-ui-7.55/FPM-Blog)] | [How-to Information](#) | [Service Mapping Tool](#) | [SAP S/4HANA Cookbook CVI](#) |

3.2. SAP Notes

In addition to the detailed explanations written in this document, please see the following SAP Notes for further important information.

Note Number	Note Description
2313368	Functional restrictions in MDG for Business Partner / Customer / Supplier with SAP Master Data Governance 9.0
2472845	Functional restrictions in MDG for Business Partner / Customer / Supplier with SAP Master Data Governance 9.1
2656712	Functional restrictions in MDG for Business Partner / Customer / Supplier in SAP Master Data Governance 9.2 and on SAP S/4HANA 1809
2816557	Functional restrictions in MDG for Business Partner / Customer / Supplier on SAP S/4HANA 1909
2925030	Functional restrictions in MDG for Business Partner / Customer / Supplier on SAP S/4HANA 2020
3070003	Functional restrictions in MDG for Business Partner / Customer / Supplier on SAP S/4HANA 2021
3220117	Functional restrictions in MDG for Business Partner / Customer / Supplier on SAP S/4HANA 2022
3374711	Functional restrictions in MDG for Business Partner / Customer / Supplier on SAP S/4HANA 2023
3043582	MDG Customer Connection 2020
3194967	MDG Customer Connection 2021 for S/4HANA 2022
3311039	MDG Customer Connection 2023