Field Extensibility Guide – Master Data Governance for FI Contract Account

Applies to:

SAP Master Data Governance, Central Governance 9.1 SP01

Summary

This guide describes how to create new fields for the MDG UI for FI Contract Account, and how to add existing fields to the MDG UI for FI Contract Account.

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Prerequisites

To make UI changes for new fields, the value "X" must be set for the user parameter FPM_CONFIG_EXPERT.

To make this setting, go to *System → User Profile → Own Data* in the main menu.
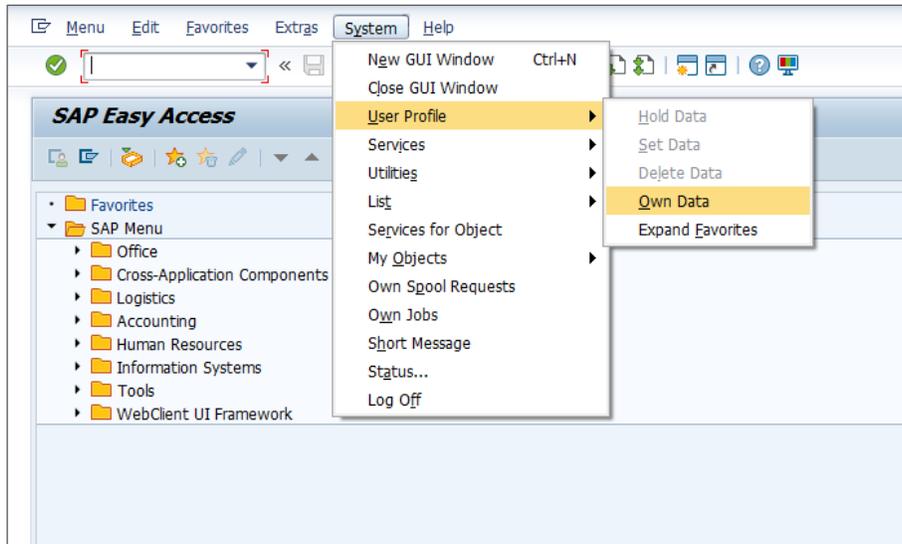
Open the "Parameters" tab, and check if the parameter value is set to "X". If not, enter the parameter, set the value to "X", and save your changes.
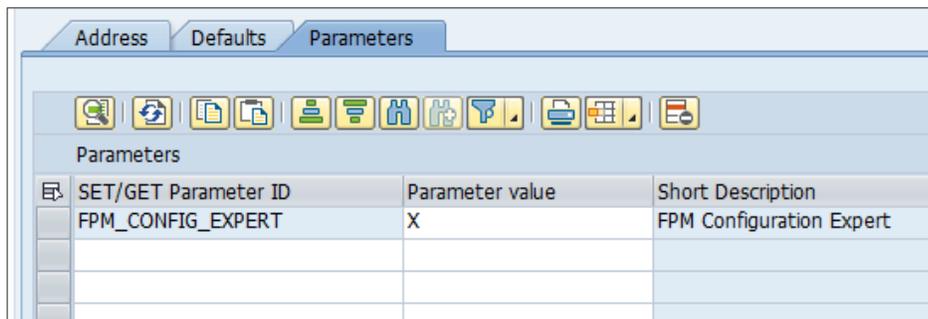
1. Create New Field in CI Include

The following CI includes can be enhanced with a new field:
- CI_FKKVK of table FKKVK (*see important information below)
- 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.
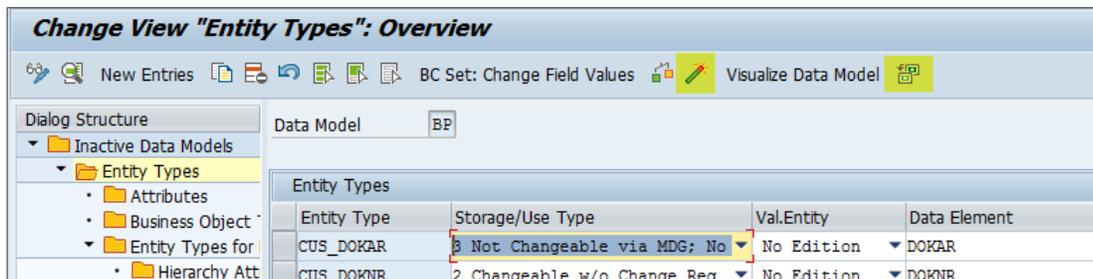
2. Extend MDG Data Model

Run transaction MDGIMG, and select the activity "Edit Data Model" under *Master Data Governance, Central Governance* → *General Settings* → *Data Modeling*.
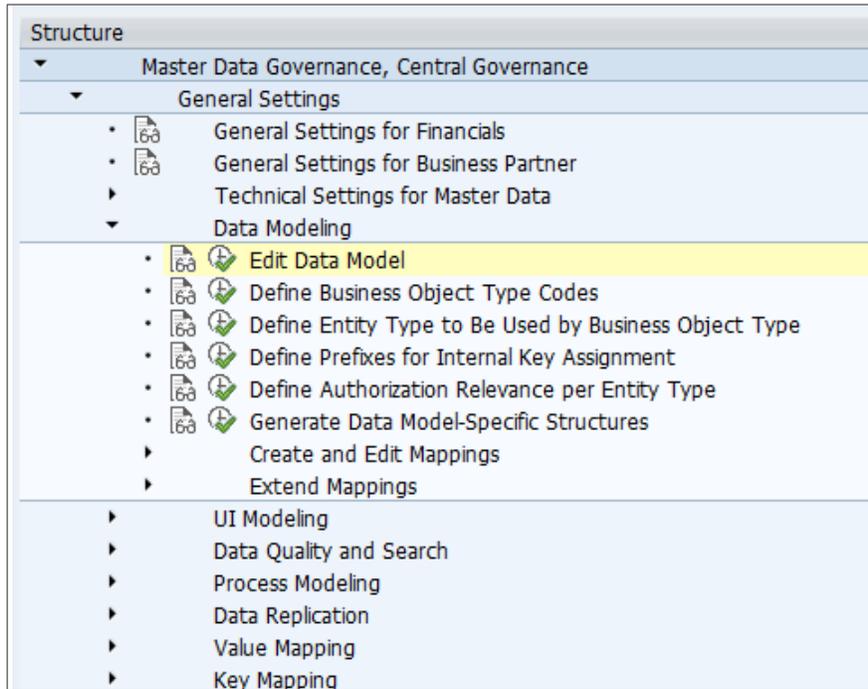
Select data model "BP", and double-click the "Entity Types" sub-node in the dialog structure. Depending on the table in which you enhanced the CI include, select either entity type "FKKVK" or "FKKVKP". Double-click "Attributes" in the dialog structure. Choose the "New Entries" button to create a new 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.
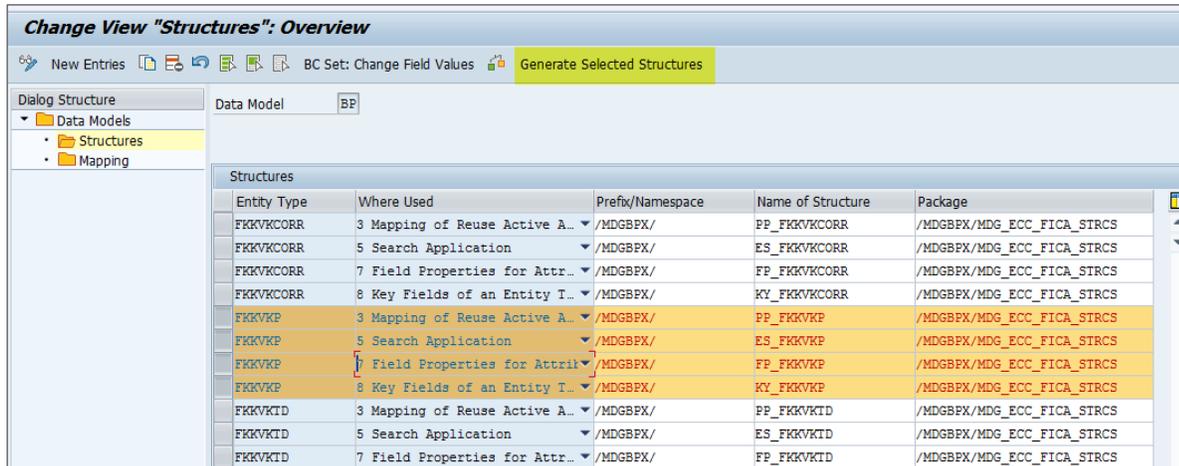
3. Generate Structures

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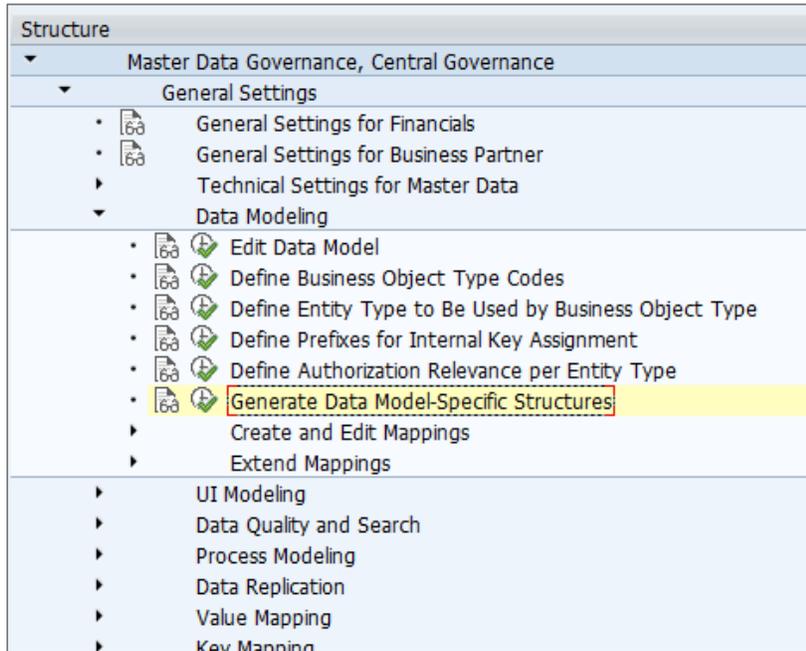

Select data model "BP", and double-click the "Structures" sub-node in the dialog structure. Depending on the table you enhanced in step 1, select all "FKKVK" or "FKKVKP" entity types. Choose the "Generate Selected Structures" button.

4. Create Field Mapping

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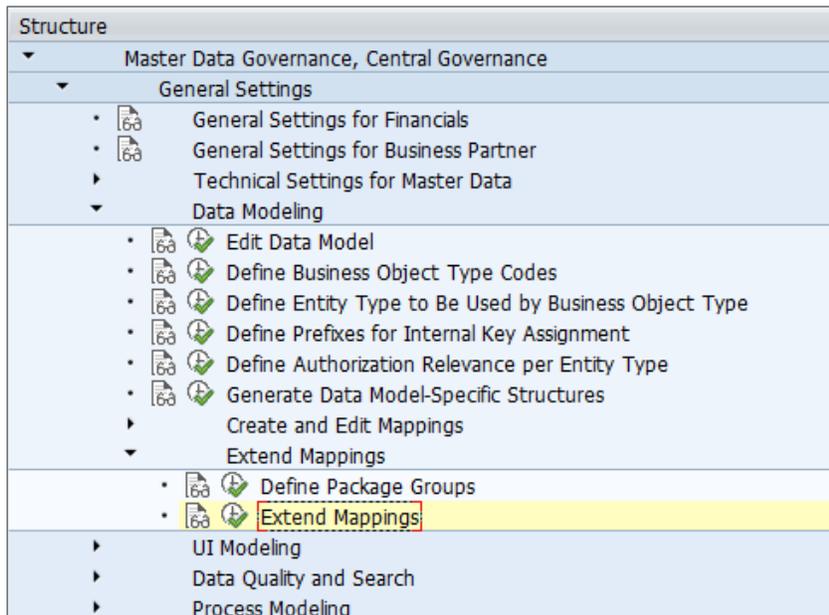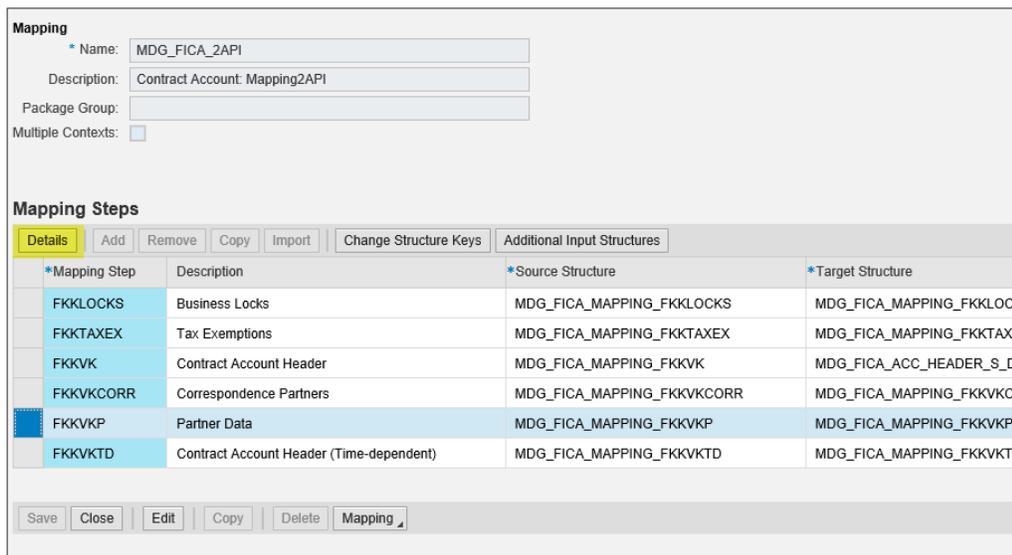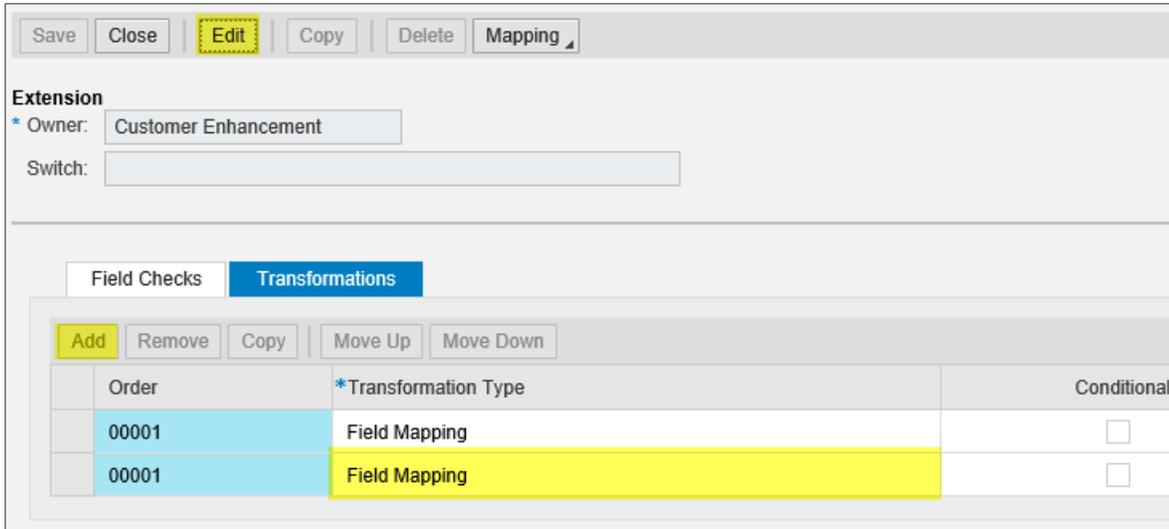

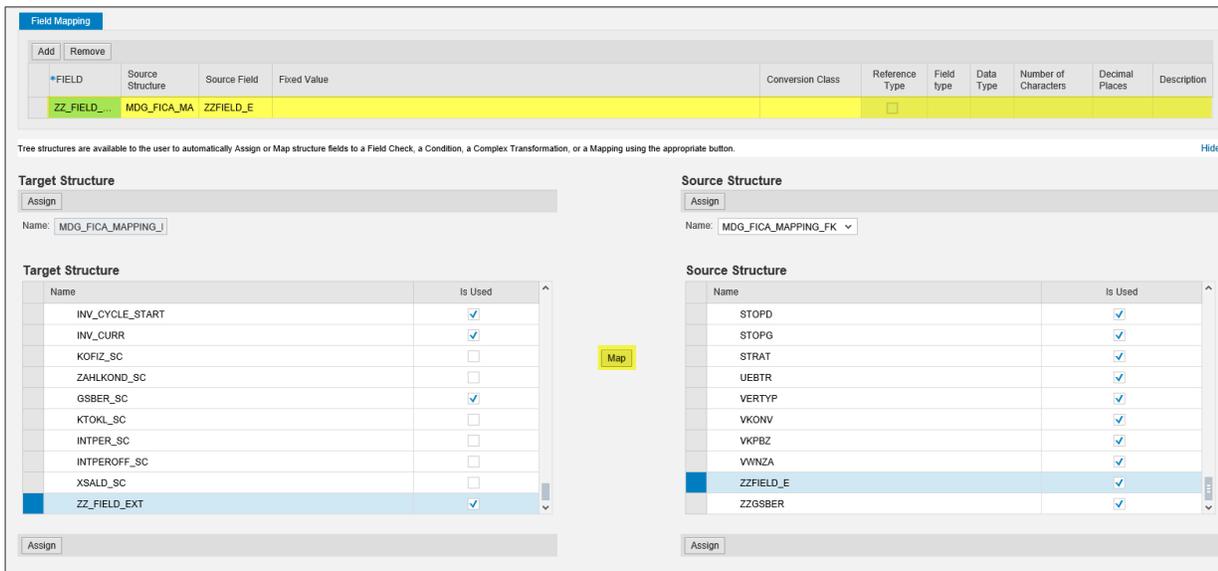Choose "Mapping" → "Open".

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.

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".

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".

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 there are no contract accounts in your system yet, choose "Create" to create a new one).

If you added the new field to the table FKKVK, you can enhance the account header area of the contract account. Select "Show Configurable Areas" in the header area of the contract account.

If you added the new field to the table FKKVKP, you can 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"). Choose "Show Configurable Areas" in the header area of the business partner.

Determine the area where you want to place your new field, and choose the wrench icon in the upper right corner of this area.
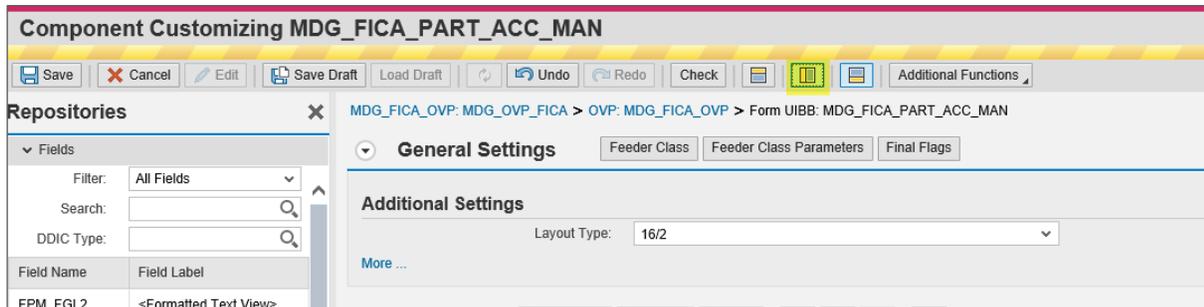

The system opens a new window.

Choose "Additional Functions" → "Create Customizing" in the header menu.

Enter a description. Select a transport, or choose "No Transport Request".

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 onSelect".

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.

Field Extension with Existing Field

To enhance the MDG data model with a field that already exists in the table FKKVK or FKKVKP (e.g. using a switch that activated one of the SI includes), skip step 1, and carry out steps 2 – 5 of this guide.

## 1. Check for Mandatory Fields

You can add a check at 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*.
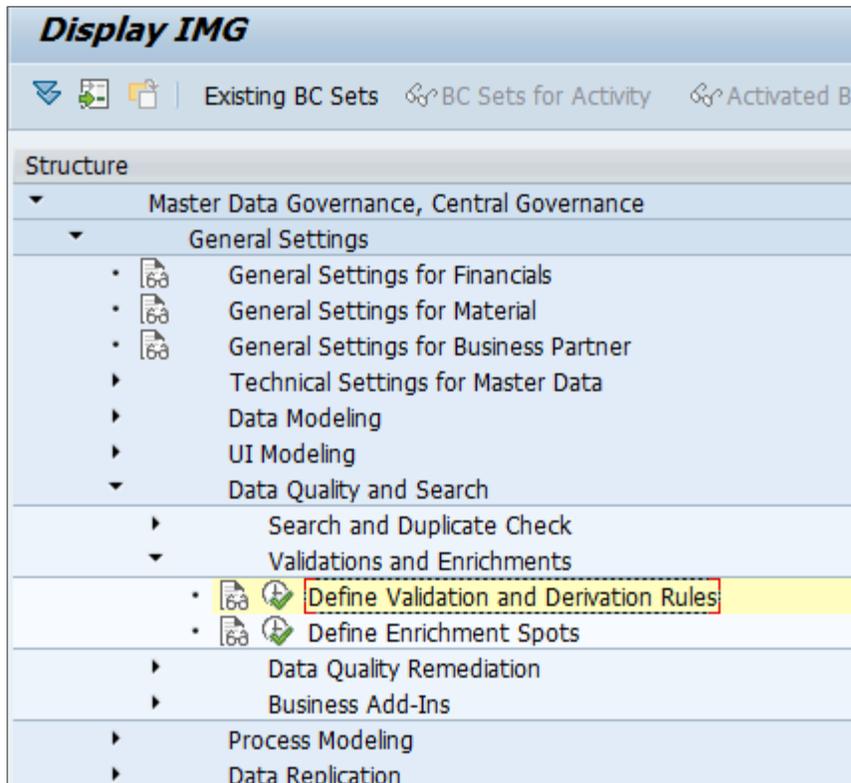
Enter Data Model "BP", and choose "Continue".

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".
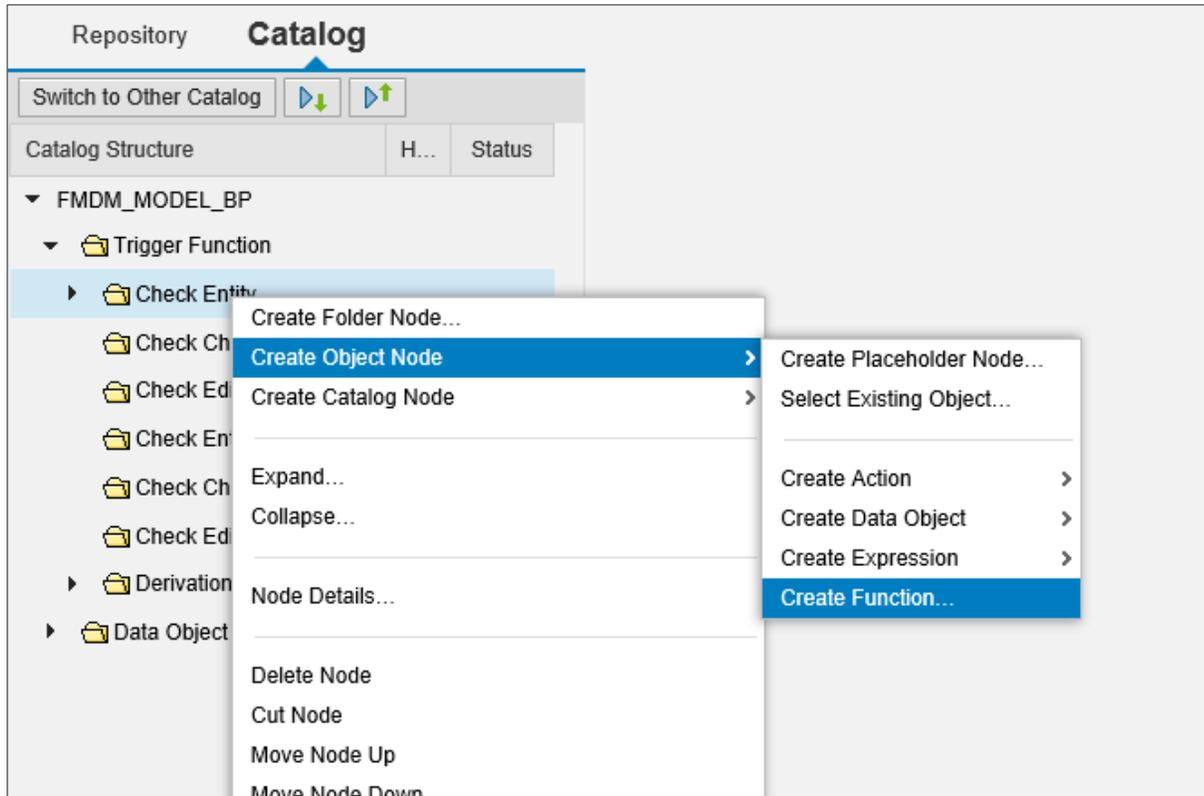
In the "Name" field, enter "CHECK_FKKVKP". Note that the name must adhere to the naming convention CHECK_<entity>. Since the field "Business Area" belongs to the entity "FKKVK", the name of the Business Area is "CHECK_FKKVKP". The connection of the field to an entity is defined in the data model (see 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".
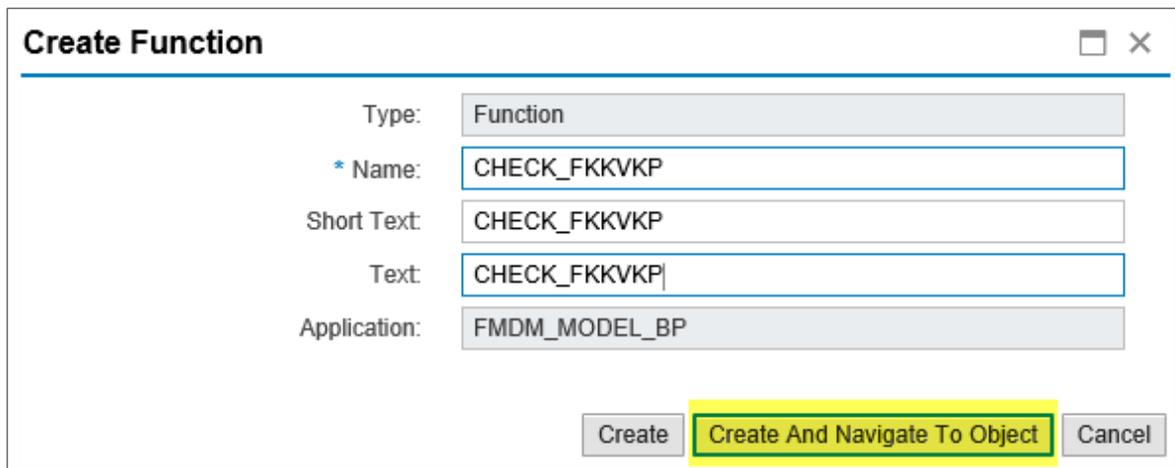
Choose "Edit", and choose "Add Existing Data Object". Enter the name of the of the field's entity for which you want to create a new check. For example, enter "FKKVKP" for the search criterion "Name". Choose "Search", and select the relevant entity.

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".

Choose "Create And Navigate To Object". In the dialog box, choose "Yes".

In the "Rules" area, select "Insert Rule" → "Create".
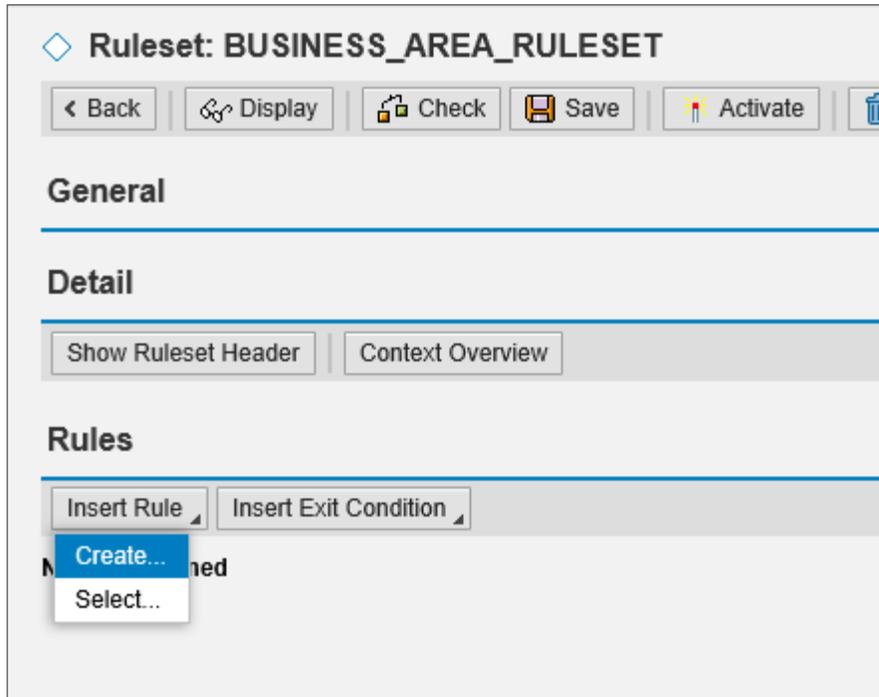
Enter a description for the rule, and select "Assign Condition" → "Use Value Range From…" → "Context" →"More…". Select the field for which you want to create a check.
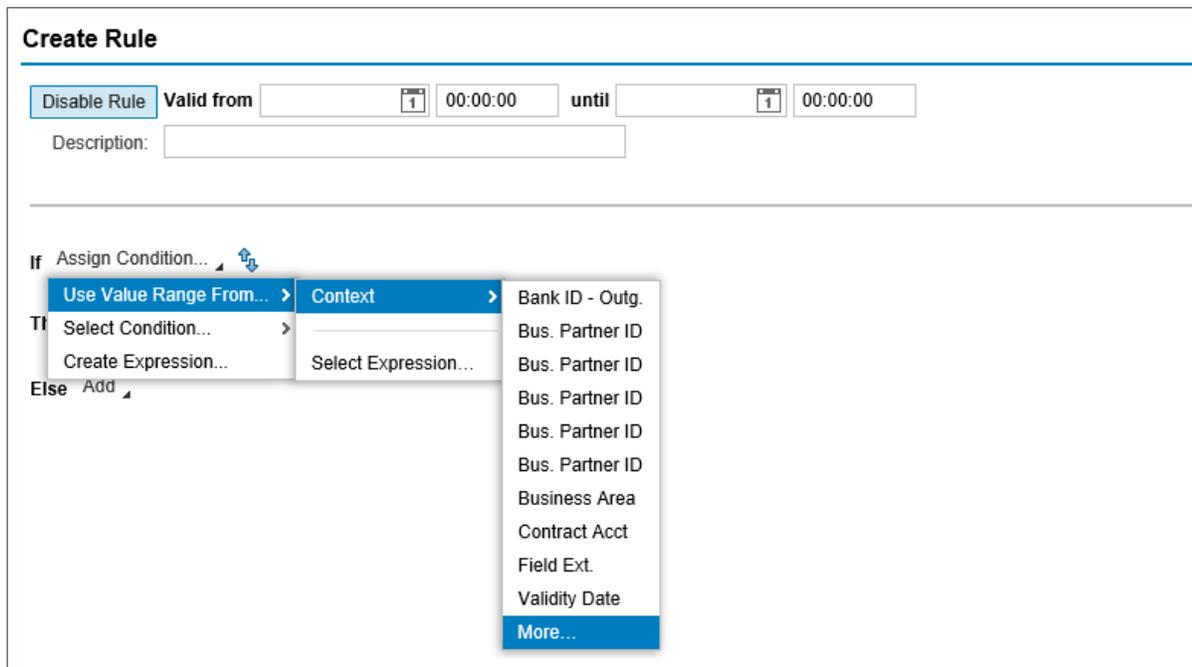
In the drop-down menu next to the field name, select "is initial".

For "Then", select "Add" → "Perform Action" → "Create…".

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".

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.

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