



PUBLIC

How-To Guide: SAP Master Data Governance, cloud edition - Extensibility (Configuring Predefined Custom Fields)

Applicable Releases:

All

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1. Business Scenario

SAP Master Data Governance, cloud edition provides business processes to find, create and change master data. It supports the governance of master data and the distribution to SAP Master Data Integration. Domain-specific content is provided as part of the standard. It is a common requirement from customers to adapt the MDG data models to their specific needs. This guide explains how to configure one predefined custom field.

The following screenshot shows you the result of this how-to guide: The custom field “Sales Category” is offered for maintenance.

The screenshot displays the 'New Business Partner' form in the SAP Business Partner cloud edition. The form is organized into tabs: 'Request Information', 'General Information', 'Address', 'Roles', 'Bank Accounts', 'Identification', and 'Industries'. The 'General Information' tab is active, showing a grid of fields for business partner data. The 'Sales Category' field is highlighted with a yellow background. The form includes fields for Business Partner, Country/Region, Foundation Date, Grouping, Search Term 1, Liquidation Date, Title, Search Term 2, Authorization Group, Organization Name 1, Legal Form, Organization Name 2, Legal Entity, Created By, Created On, Last Changed By, and Last Changed On. The 'Save and Submit' button is visible at the bottom right.

General Information			
Business Partner:	Country/Region:	Foundation Date:	Created By:
-	<input type="text"/>	MM/dd/yyyy	-
Grouping:	Search Term 1:	Liquidation Date:	Created On:
Internal Numbering for standard use (BP02)	<input type="text"/>	MM/dd/yyyy	-
Title:	Search Term 2:	Authorization Group:	Last Changed By:
<input type="text"/>	<input type="text"/>	<input type="text"/>	-
Organization Name 1: *	Legal Form:	Sales Category:	Last Changed On:
<input type="text"/>	<input type="text"/>	<input type="text"/>	-
Organization Name 2:	Legal Entity:		
<input type="text"/>	<input type="text"/>		

Save and Submit Save Cancel

2. Background Information

Since November 2021 the SaaS solution “SAP Master Data Governance, cloud edition” is available on SAP Business Technology Platform. This version supports the feature “Extensibility: Configure Predefined Custom Fields”. With this app, you can add custom fields to the business partner general data (table BUT00). These fields can be used for central governance processes, consolidation processes, and data quality evaluation results.

The official documentation can be reviewed here: [Field Extensibility](#)

This how-to guide will show you the individual steps with a concrete example. It also has some screenshots which help you to understand the configuration steps. You can repeat these steps in your own BTP environment. Do not hesitate to do so because the whole process is “code free” and requires no technical or programming skills at all.

Please be aware that this feature is not available in the trial version of SAP Master Data Governance, cloud edition.

In this demo/ example we will configure a new custom field called “Sales Category”. The technical requirements are summarized with the following statements:

1. The field should be available on BP level (BUT000)
2. The name of the field is “Sales Category”
3. The field should have a “code list” attached to it with 3 values
 - Normal
 - Critical
 - Internal
4. The field must be visible on requestor level while requesting a new BP
5. The field must be available for consolidation and DQM as well
6. Data Validation: The requestor/end user needs to enter a value for the field in central governance if the BP-Type is “Organization” and the “BP Grouping BP02” is used.

3. Functional Restrictions

The following restrictions apply:

- Not applicable/available on SAP Master Data Governance, cloud edition (trial version)
- Max. 10 custom fields possible
- No conditional logic for displaying of the field

4. Step by Step Explanation

Step 1 is the only mandatory step. Afterwards, the field is available for usage in all capabilities of SAP MDG, cloud edition. If you want to show the predefined custom field in the user interface of Central Governance you need to go through step 2. Step 3 and 4 is only relevant if you want to show/use the field in consolidation and/or data quality management. Step 5 is relevant if you want to use the custom field in a validation rule.

4.1. Step 1: App “Configure Predefined Custom Fields” to define the basics

Make sure you have the appropriate authorization and start the app Configure Predefined Custom Fields. Start the app from the launchpad:



In the next screen, click on “Create” to start the configuration of the field. The system displays a wizard to guide you through the process. In the first step, choose the technical type and the field length.

The image is a screenshot of a SAP wizard titled 'Create New Predefined Custom Field Configuration'. At the top, there are two steps: '1 Select' (highlighted with a blue circle) and '2 Adapt'. Below the steps, the title '1. Select' is followed by the instruction 'Select the business object, node and basic properties'. The form contains four fields: 'Business Object' with the value 'Business Partner (Governance)', 'Business Object Node' with the value 'Business Partner (Governance)', 'Technical Type' with a dropdown menu showing 'Character', and 'Field Length' with a dropdown menu showing '80'. At the bottom right, there are two buttons: 'Next Step' (in blue) and 'Cancel' (in light blue).

After clicking next, enter the label information and the Semantic Type. Choose “Code List” and define 3 as the field length.

Create New Predefined Custom Field Configuration

1 Select — 2 Adapt —

2. Adapt

Adapt further properties of the field

Label: * Sales Category

Tooltip: * Sales Category

Semantic Type: Code List

Field Length: * 3

Previous **Next Step** Cancel

In the next step you maintain the values

Create New Predefined Custom Field Configuration

1 - 2 Adapt — 3 Code Values — 4 Review

3. Code Values

Define code values

Items (3) Search Create Delete

<input type="checkbox"/>	Code Value	Description	Enabled
<input type="checkbox"/>	101	Normal	<input checked="" type="checkbox"/>
<input type="checkbox"/>	102	Critical	<input checked="" type="checkbox"/>
<input type="checkbox"/>	103	Intern	<input checked="" type="checkbox"/>
....			

Previous **Next Step** Cancel

Click on Next Step, review your data, and click on “Create and Publish”

Create New Predefined Custom Field Configuration

1 - 2 Adapt — 3 Code Values — 4 Review

4. Review

Select

Business Object:
Business Partner (Governance)

Business Object Node:
Business Partner (Governance)

Technical Field:
custom_text_3

Adapt


Label:
Sales Category

Tooltip:
Sales Category

Semantic Type:
Code List

Field Length:

Previous **Create and Edit** Create and Publish Cancel



Make sure that the services are Enabled. If they are not enabled you need to enable them and publish the services again.

SAP Predefined Custom Field Details

Sales Category

General Information Status
Business Object: Business Partner (Governance) Published
Business Object Node: Business Partner (Governance)
Technical Field: custom_text_3

General Information Code Values Services Translation

As (3) UI Services (3) API Services (3) Search

Description	Enabled
Service Binding for C_BUSINESSPARTNERGOVTP_SRV	<input checked="" type="checkbox"/>
BusinessPartner	<input checked="" type="checkbox"/>
Service Binding for MD Change Process BuPa Details	<input checked="" type="checkbox"/>
BusinessPartnerProcess	<input checked="" type="checkbox"/>
Service Binding for MDQ ALP for General BP Data	<input checked="" type="checkbox"/>
C_MDQBPGenEvaluit	<input checked="" type="checkbox"/>

Translation

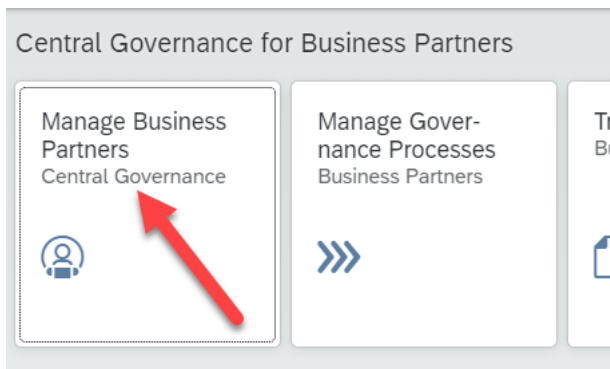
Items (0) Search Create

Save Cancel

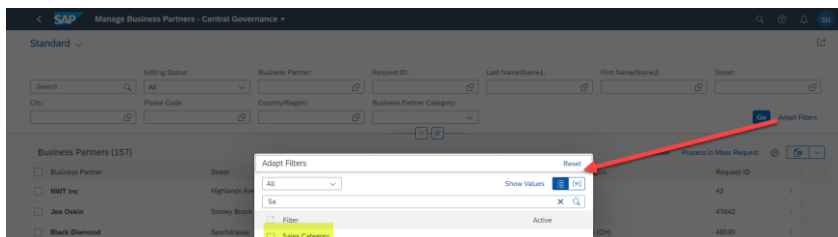
First test of the new field

Without further steps the new field “Sales Category” is available in the app “Manage Business Partner – Central Governance” in the filter criteria.

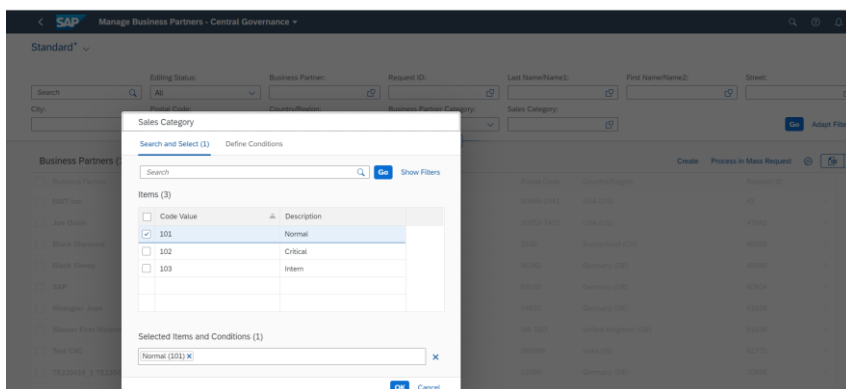
To test this, start the app “Manage Business Partner – Central Governance”



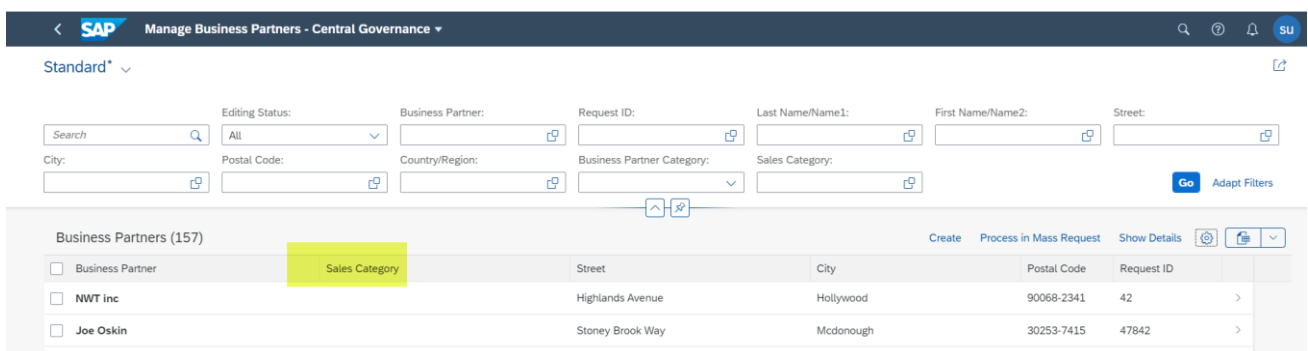
Starting up this app the first time after you published the custom field may take a while because the UI gets recompiled. After some seconds you will see the screen. Click on “Adapt Filters” and search for your new field to enable it for filtering/searching.



Now you can filter the result list on your custom field.



The field is also available to be displayed as a column in the result list. You just need to configure it via “settings”



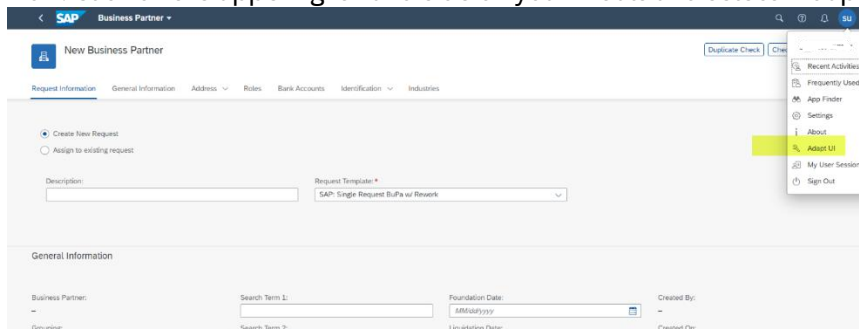
4.2. Step 2: Central Governance - Adapt the user interface

In this chapter, you will add the new field to the UI of the central governance. This is important to be able to maintain and view the field during creating and maintaining business partner in central governance.

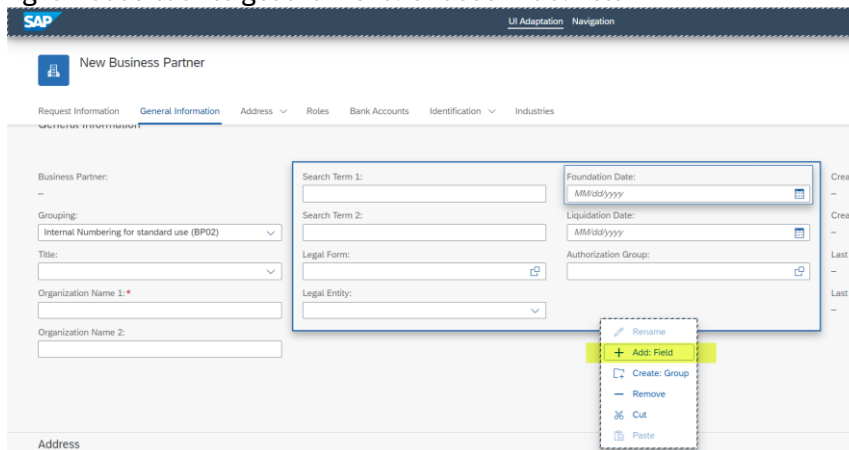
The adjustment is done via the “SAP Fiori UI – Adapt UI” feature.

The steps are:

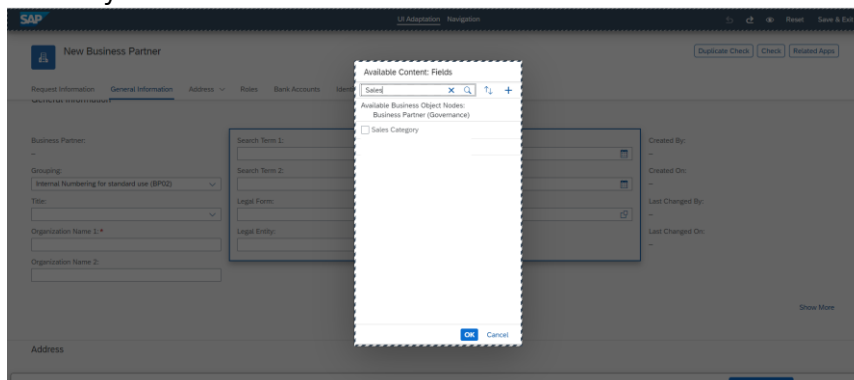
- Open the UI you want to adapt. In my example it's the app “Manage Business Partner – Central Governance”.
- Click on the “Create” Button
- Choose “Organization”
- Enter some dummy values in the pop-up screen
- Now: Click on the upper right-hand side on your initials and select “Adapt UI”



- The UI is now in adaption mode and you can select the group where you want to add the field. Do a right mouse click to get the menu. Choose “Add: field”



- Choose your custom field from the list.



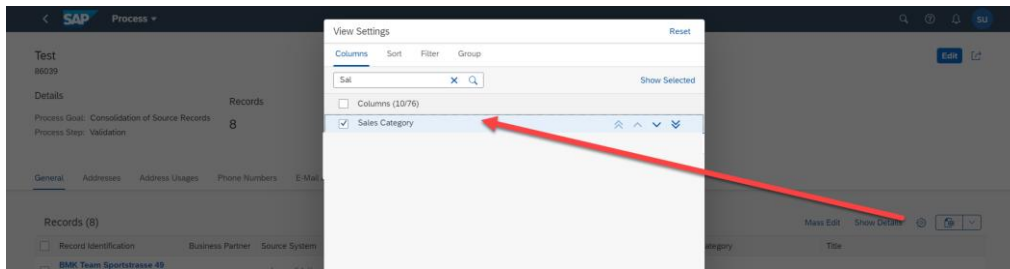
- Click Ok
- Click on “Save & Exit” to leave the adaption mode

- After the page is reloaded, you will see the new field on the User Interface:

The screenshot shows the 'New Business Partner' form in SAP. The 'Sales Category' field is highlighted in yellow. The form includes sections for 'General Information', 'Country/Region', 'Foundation Date', 'Created By', 'Created On', 'Last Changed By', and 'Last Changed On'. The 'Sales Category' field is located in the 'Authorization Group' section.

4.3. Step 3: Consolidation - Adapt the user interface

You don't have to make any specific settings for consolidation. The custom field is available in all relevant screens. You can display the field while entering the "settings". The following screenshot shows you how to display the field in the "Show Details" screen of the "Initial Check" step.



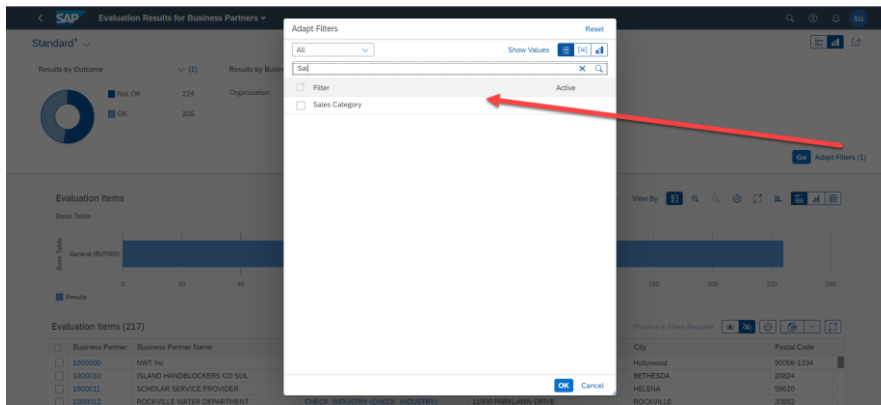
The screenshot shows the 'Records (8)' table in SAP. The 'Sales Category' field is highlighted in yellow in the table header. The table displays a list of records with columns for 'Record Identification', 'Business Partner', 'Source System', 'Sales Category', 'Source ID', and 'Search Term 1'.

Record Identification	Business Partner	Source System	Sales Category	Source ID	Search Term 1
<input type="checkbox"/> BMK Team Sportstrasse 49 2540 Grenchen CH		mdgvalidation		MDR_RH_101	(N)
<input type="checkbox"/> Bora Franzgrube Pfaal-Junon-Kathrein-Strasse 3 86342 Nordendorf DE		mdgvalidation		MDR_RH_102	(N)
<input type="checkbox"/> Team Racing Pross Althardstrasse 80 8305 Regensdorf CH		mdgvalidation		MDR_RH_103	(N)
<input type="checkbox"/> FKU Team Bodanstrasse 129 78464 Konstanz DE		mdgvalidation		MDR_RH_104	(N)
<input type="checkbox"/> Team Nice Cuffey W Madison St 803 53584 Waterloo US		mdgvalidation		MDR_RH_105	(N)
<input type="checkbox"/> Team Sonnennetz Steinemann 97 20099 Hamburg DE		mdgvalidation		MDR_RH_106	(N)
<input type="checkbox"/> 0721 Cycling Robert-Leliche-Strasse 100 70563 Stuttgart DE		mdgvalidation		MDR_RH_107	(N)

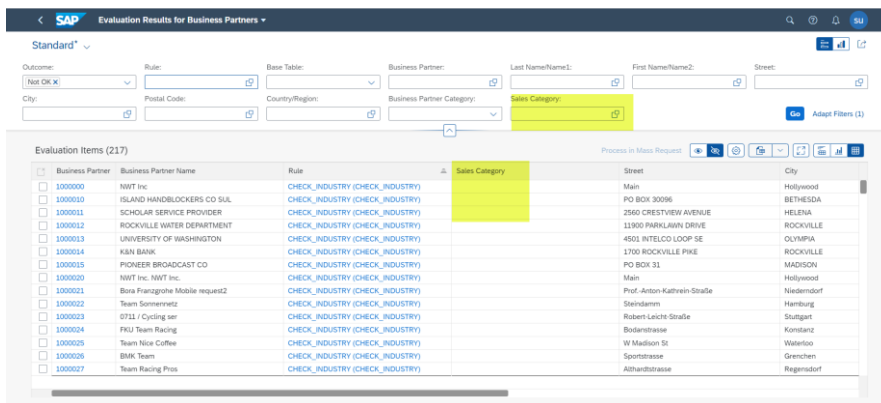
4.4. Step 4: Data Quality Evaluation results - Adapt the user interface

The custom field is available to be displayed without further adaption. You can use the "settings" to display the new field in filters and result tables.

The following screenshot shows how to add the field as an filter within the app "Evaluation Results for Business Partners".



The next screenshot shows the runtime UI. As you can see the custom field is displayed in the filter criteria and the evaluation items table.

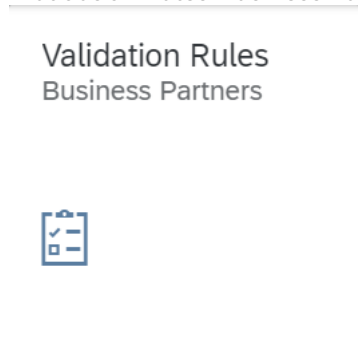


4.5. Step 5: Validations Rules: Define rule for custom field

The predefined custom field is also available for usage in validation rules. In this example, we will define a simple validation rule for the new field “Sales Category”. The requestor of a new Business Partner needs to select a value for the field if he requests a BP-Type “Organization” and the “BP-Grouping BP02 (Internal number range)”.

To define the validation rule, you need to do the following steps:

1. Start app “Validation Rules-Business Partners”



2. Click on “Create” to define the following details for the new rule:
 - a. Rule Name and ID “CHECK_SALES_CATEGORY”
 - b. Base Table: BUT000
 - c. Checked Field: <as_you_want>
3. Click on the “Create” button
4. Now click on the button “Send for Implementation”
5. Click on Usage – Add

CHECK_SALES_CATEGORY

CHECK_SALES_CATEGORY

Edit Delete

General Information Usage Implementation Administrative Data

Usage

Add rule usage to proceed with rule implementation.

Add Delete

Usage	Status
	Please assign a usage.

Data Quality Evaluation

Check in Consolidation

Check in Central Governance

6. Click on Prepare and confirm the message

Prepare Usage

Base Table:

General (BUT000)

Note: BRFplus preparation may take some time to finish. Once preparation is complete, the base table can no longer be changed.

Prepare Usage Cancel

7. Click on the “link” CHECK_SALES_CATEGORY_SCP to define the scope of the rule

Implementation

Check and activate expressions in BRFplus.

Scope	Condition
Expression: CHECK_SALES_CATEGORY_SCP	Expression: CHECK_SALES_CATEGORY_CON
Status: Initial	Status: Initial

8. Within BRF+ you need to configure the scope expression:

◆ Boolean: CHECK_SALES_CATEGORY_SCP Active version available

[Back](#) [Display](#) [Check](#) [Save](#) [Activate](#) [Delete](#) [More](#)

General

Detail

[Template](#) [Invert Condition Result](#) [Context Overview](#) [Start Simulation](#)

Boolean Logic Schema: <1> and <2>

If

▲ BUT000 K...-Grouping is equal to BP02 Int. Numeric [Change](#) [Edit Operand](#)

and

▲ BUT000 K...-Partner Cat. is equal to 2 Organization [Change](#) [Edit Operand](#)

Then ▲ Boolean is true, else it is false

9. Go back the rule app click on the link for the “Condition expression”

Implementation

[Check and activate expressions in BRFPplus.](#)

Scope	Condition
Expression: CHECK_SALES_CATEGORY_SCP Status: Initial	Expression: CHECK_SALES_CATEGORY_CON Status: Initial

10. Configure the Condition expression:

◆ Boolean: CHECK_SALES_CATEGORY_CON Active version available

[Back](#) [Display](#) [Check](#) [Save](#) [Activate](#) [Delete](#) [More](#)

General

Detail

[Template](#) [Invert Condition Result](#) [Context Overview](#) [Start Simulation](#)

Boolean Logic Schema: <1>

If

▲ BUT000 K...-Custom Text is not initial [Change](#) [Edit Operand](#)

Then ▲ Boolean is true, else it is false

Hint:

To identify the correct Custom Text field you need to open the app “Configure predefined custom fields” again and remember the technical name of the predefined field which you used:

SAP Predefined Custom Field Details ▾

Sales Category

General Information

Business Object: Business Partner (Governance)

Business Object Node: Business Partner (Governance)

Technical Field: custom_text_3

Status

Published

General Information Code Values Services Translation

Details

Label:	Sales Category	Semantic Type:	Code List
Tooltip:	Sales Category	Field Length:	3

If you configure the condition expression, you need to search for the context field which you want to check. You can use the technical name to find the correct field:

Boolean: CHECK_SALES_CATEGORY_CON Active version available

General Detail Template

Context Query

Search Criteria

Data Object ...	is equal to	Any
Name	is equal to	custom_text_3
Text	is equal to	*

Maximum Number of Results: 200

Search Clear Reset

Result list: 2 objects found

Object	Status	Type	Application
▼ BUT000 Key and Attribute Structure	■	Structure	ZMDQ_147
Custom Text	■	Text	ZMDQ_147

OK Cancel

11. Now, send the rule for Testing

Refresh

Check and activate expressions in BRFPplus.

Send for Testing

12. Then, approve the rule

Refresh

Check and activate expressions in BRFPplus.

Approve Send for Implementation

13. As a last step, enable to rule for the Central Governance

CHECK_SALES_CATEGORY
CHECK_SALES_CATEGORY

Edit Delete

General Information Usage Implementation Message Administrative Data

Business Details

Business Description:

Business Reason:

Scope:

Link:

—

Contacts

Rule Owner:
steffen ulmer

Implementation Expert:

Business Contact:

—

Data Owner:

—

Usage

Add Del

Usage	Status	Action
<input type="radio"/> Check in Central Governance	Disabled	Enable

14. Now you can test the new validation rule within a Central Governance process. If you don't enter a Sales Category, you will see this message:

SAP Business Partner

New Business Partner

Request Information General Information Address Roles Bank Accounts Identification Industries

Create New Request
Assign to existing request

Description:

General information

Business Partner: Search Term 1

Grouping: Search Term 2

Internal Numbering for standard use (BPM2) ✓

Title: Legal Name

Organization Name 1: * Legal Entity

Address: Legal Entity

Organization Name 2: Legal Entity

Created By: Created On: Last Changed By: Last Changed On:

Check

❌ CHECK_SALES_CATEGORY

Diagnosis

The data does not comply with the validation rule:
"CHECK_SALES_CATEGORY"
(CHECK_SALES_CATEGORY) defined for role "*****"
in table "Governd".

Message no. MDO_RULE_FUNCTION000

Cancel

5. Summary

As you learned in this tutorial, it is easy to add a custom field in about SAP Master Data Governance, cloud edition. No programming or technical skills are required.

For more information about SAP Master Data Governance, cloud edition, see the [SAP Community page](#).

6.