

# How-To Guide: Extend MARA Table in the Retail and Fashion Workstudio by Utopia

## Applies to

Retail and Fashion Workstudio by Utopia

For more information, visit the SAP Master Data Governance homepage.

( <http://scn.sap.com/community/mdm/master-data-governance> )

## Summary

SAP Master Data Governance provides an out-of-the box solution for the central management of various master data objects such as financial objects, supplier and material. In addition, SAP Master Data Governance also provides the flexibility to customize the solution, in cases where the pre-delivered content does not fully match customer requirements. You can use this guide to extend the MARA Entity in the Retail and Fashion Workstudio by Utopia by a new attribute. The newly added Attribute value will be copied to the MARA table after activation of the change request.

**Author:** Teena Dominic

**Company:** Utopia Global, Inc.

**Created On:** May 28, 2018

**Version:** 1.0

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## Introduction

This document describes how to extend the Retail and Fashion Workstudio by Utopia by adding additional attribute “ZZUNAME” to the entity “MARA”.

## Scenario

Extend table MARA with an additional attribute “ZZUNAME”.

## High Level Requirements

The business requires the new attributes as part of the Retail and Fashion Workstudio by Utopia. You want to extend table MARA to include attribute: ZZUNAME.

## Governance Process

The default governance process delivered with MDG is used. No changes to the governance process are necessary as part of this scenario.

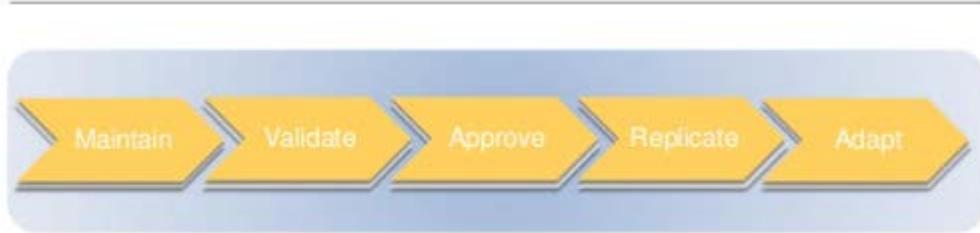


Figure: Article processing in Master Data Governance

## Implementation

Two major building blocks make up the implementation of the table extension. In the first phase, you extend the database tables and staging table with the additional attribute “ZZUNAME”. In the second phase, you enhance class /UGIRMP/CL\_MDG\_RF\_MASS\_UTIL and implement BADI “BADI\_ARTMAS\_INBOUND”.

## Enhance Active/Staging Area Tables

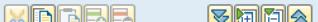
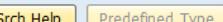
The following topics are discussed in the section:

- [Enhance table MARA](#)
- [Enhance table /UGIRMP/MARA](#)
- [Enhance table /UGIRMP/MARA\\_H](#)

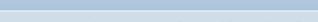
### Enhance table MARA

Use the following steps to enhance database table MARA by appending a structure with the ZZUNAME TYPE SYST\_UNAME field.

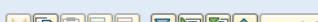
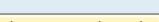
1. Go to t-code SE11 > Open the database table MARA.
2. Click on “Append Structure” button to append the required fields into MARA table.

Dictionary: Display Table																																						
 Technical Settings Indexes... Append Structure...																																						
Transparent Table		MARA	Active		Append Structure... (F5)																																	
Short Description		General Material Data																																				
<a href="#">Attributes</a>		<a href="#">Delivery and Maintenance</a>	<a href="#">Fields</a>	<a href="#">Input Help/Check</a>	<a href="#">Currency/Quantity Fields</a>																																	
  																																						
<table border="1"> <thead> <tr> <th>Field</th><th>Key</th><th>Ini...</th><th>Data element</th><th>Data Type</th><th>Length</th><th>Deci...</th><th>Short Description</th></tr> </thead> <tbody> <tr> <td>MANDT</td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>MANDT</td><td>CLNT</td><td>3</td><td>0</td><td>Client</td></tr> <tr> <td>MATNR</td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>MATNR</td><td>CHAR</td><td>18</td><td>0</td><td>Material Number</td></tr> <tr> <td>.INCLUDE</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>EMARA</td><td>STRU</td><td>0</td><td>0</td><td>Data Division MARA</td></tr> </tbody> </table>							Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description	MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client	MATNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MATNR	CHAR	18	0	Material Number	.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	EMARA	STRU	0	0	Data Division MARA
Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description																															
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.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	EMARA	STRU	0	0	Data Division MARA																															

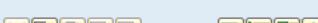
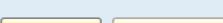
3. Click “Append Structure” button.
4. Enter Append Name as displayed in the following screen.

Dictionary: Display Table														
 Technical Settings Append Structure...														
Transparent Table		MARA	Active		Append Structure...									
Short Description		General Material Data												
<a href="#">Attributes</a>		<a href="#">Delivery and Maintenance</a>	<a href="#">Fields</a>	<a href="#">Input Help/Check</a>	<a href="#">Currency/Quantity Fields</a>	<a href="#">Indexes</a>								
														
<table border="1"> <tr> <td>Append Name</td> <td><input type="text" value="ZFMSS_MASS_EXTEND"/></td> <td> </td> <td>Category for Material</td> </tr> <tr> <td>ZFMSS_MASS_EXTEND</td> <td>NEW</td> <td>15-M Append to</td> <td>MARA: Media-Specific Fields</td> </tr> </table>							Append Name	<input type="text" value="ZFMSS_MASS_EXTEND"/>	 	Category for Material	ZFMSS_MASS_EXTEND	NEW	15-M Append to	MARA: Media-Specific Fields
Append Name	<input type="text" value="ZFMSS_MASS_EXTEND"/>	 	Category for Material											
ZFMSS_MASS_EXTEND	NEW	15-M Append to	MARA: Media-Specific Fields											

5. Add the required fields to the structure. Save and activate the structure.

Dictionary: Display Append Structure																				
 Hierarchy Display																				
Append Structure		ZFMS_MASS_EXTEND	Active		Hierarchy Display															
Short Description		Append structure for Mass extension																		
<a href="#">Attributes</a>		<a href="#">Components</a>	<a href="#">Input Help/Check</a>	<a href="#">Currency/quantity fields</a>																
  Predefined Type																				
<table border="1"> <tr> <th>Component</th><th>Typing Method</th><th>Component Type</th><th>Data Type</th><th>Length</th><th>Deci...</th><th>Short Description</th></tr> <tr> <td>ZZUNAME</td><td>1 Types</td><td>SYST_UNAME</td><td>CHAR</td><td>12</td><td>0</td><td>ABAP System Field: Name of Current User</td></tr> </table>							Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description	ZZUNAME	1 Types	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User
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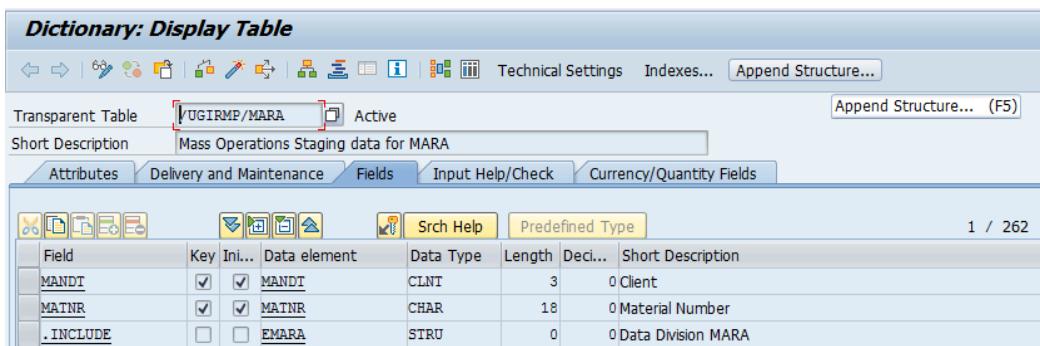
6. Field is appended successfully into the MARA table.

Dictionary: Display Table																																						
 Technical Settings Indexes... Append Structure...																																						
Transparent Table		MARA	Active		Append Structure...																																	
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ZZUNAME	<input type="checkbox"/>	<input type="checkbox"/>	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User																															

## Enhance table /UGIRMP/MARA

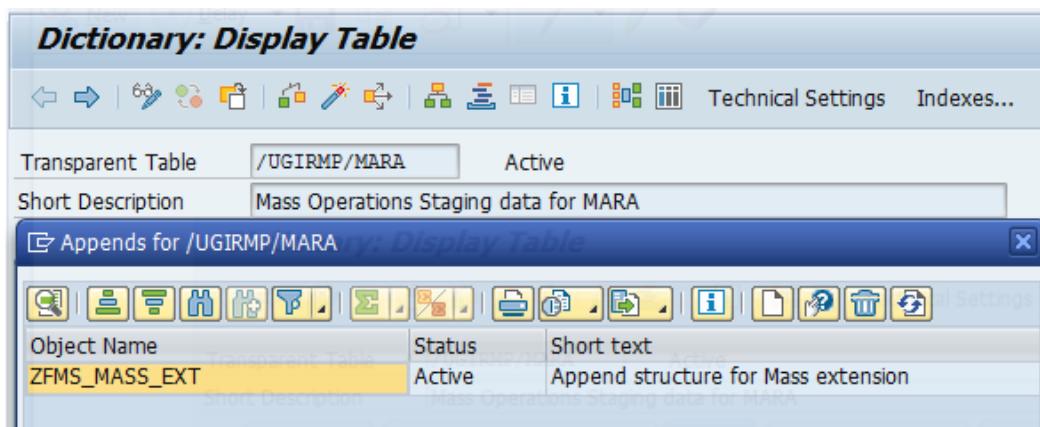
Use the following steps to enhance database table /UGIRMP/MARA by appending a structure with the ZZUNAME TYPE SYST\_UNAME field.

1. Go to t-code SE11 > Open the database table /UGIRMP/MARA.
2. Click on “Append Structure” button to append the required fields into /UGIRMP/MARA table.



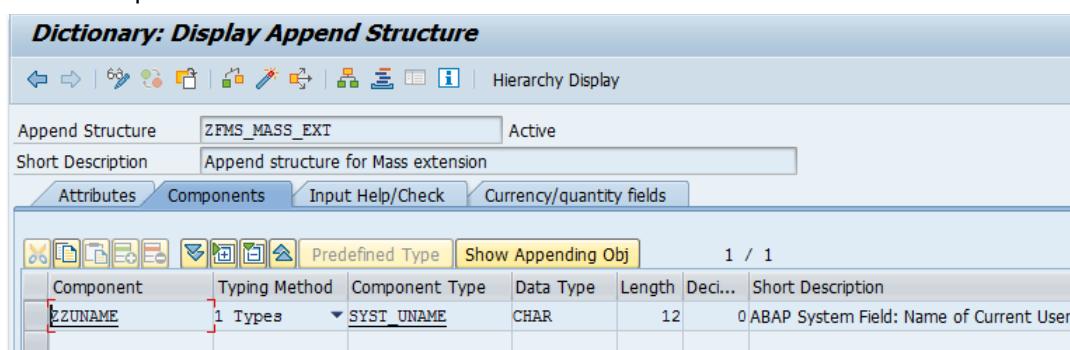
Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
MATNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MATNR	CHAR	18	0	Material Number
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	EMARA	STRU	0	0	Data Division MARA

3. Enter a name to Append Structure.



Object Name	Status	Short text
ZFMS_MASS_EXT	Active	Append structure for Mass extension

4. Add the required fields to the structure. Save and activate the structure.



Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
ZZUNAME	1 Types	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

5. Field is appended successfully into the /UGIRMP/MARA table.

**Dictionary: Display Table**

Transparent Table **/UGIRMP/MARA** Active

Short Description Mass Operations Staging data for MARA

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
KLART_VAR	<input type="checkbox"/>	<input type="checkbox"/>	/UGI4/KLART_VAR	CHAR	3	0	Variant Class Type
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12	0	Change Request
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZFMS_MASS_EXT	STRU	0	0	Append structure for Mass extension
ZZUNAME	<input type="checkbox"/>	<input type="checkbox"/>	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

## Enhance table /UGIRMP/MARA\_H

Use the following steps to enhance database table /UGIRMP/MARA\_H by appending a structure with the ZZUNAME TYPE SYST\_UNAME field.

1. Go to t-code SE11 > Open the database table /UGIRMP/MARA\_H.
2. Click on “Append Structure” button to append the required fields into /UGIRMP/MARA\_H table.

**Dictionary: Display Table**

Transparent Table **/UGIRMP/MARA\_H** Active

Short Description Mass Operations Staging data for MARA

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
MATNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MATNR	CHAR	18	0	Material Number
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	EMARA	STRU	0	0	Data Division MARA

3. Enter a name to Append Structure.

**Dictionary: Display Table**

Transparent Table **/UGIRMP/MARA\_H** Active

Short Description Mass Operations Staging data for MARA

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields

Length	Deci...	Short Description
3	0	Client
18	0	Material Number
0	0	Data Division MARA
8	0	Created On

Create Append Structure for /UGIRMP/MARA\_H

Append Name **ZFMS\_MASS\_EXTND**

4. Add the required fields to the structure. Save and activate the structure.

**Dictionary: Display Append Structure**

Append Structure: ZFMS\_MASS\_EXTND Active  
Short Description: Append structure for Mass extension

Attributes Components Input Help/Check Currency/quantity fields

Predefined Type Show Appending Obj 1 / 1

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
ZZUNAME	1 Types	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

The field is appended successfully in the /UGIRMP/MARA\_H table.

**Dictionary: Display Table**

Transparent Table: /UGIRMP/MARA\_H Active  
Short Description: Mass Operations Staging data for MARA

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields

Predefined Type

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12	0	Change Request
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZFMS_MASS_EXTND	STRU	0	0	Append structure for Mass extension
ZZUNAME	<input type="checkbox"/>	<input type="checkbox"/>	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

## Enhance View Cluster

You can enhance view cluster by adding new fields to Schema Tables.

### Edit View Cluster /UGIRMP/MASS\_SCH

The following topics are discussed in the section:

- [Add attribute to schema UGIRMP\\_CREATE](#)
- [Add attribute to schema UGIRMP\\_CHANGE](#)

### Add attribute to Schema UGIRMP\_CREATE

Use the following steps to add attributes to existing Schema Tables.

1. Go to t-code SM34. Enter View Cluster “/UGIRMP/MASS\_SCH\_VC” and click on “Test” as displayed in the screen.

**Generate Table Maint. Dialog: Viewcluster Initial Screen**

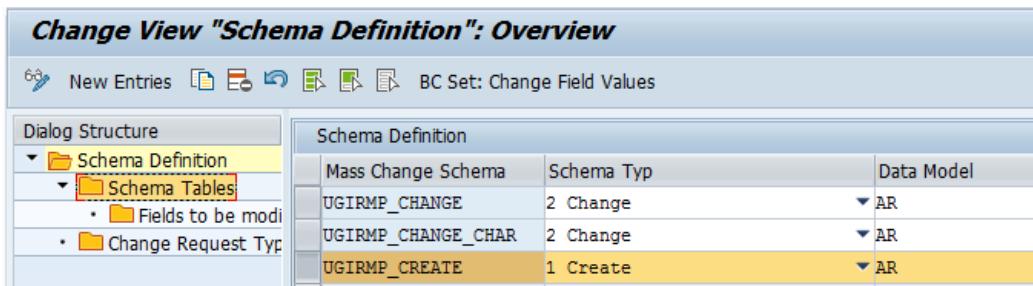
Edit Table/View Edit Function Group Edit View Cluster Edit View Variant

View cluster: IRMP/MASS\_SCH\_VC Test

Display Create/Change

2. Select the Schema UGIRMP\_CREATE > Double click on Schema Tables > Select the table MARA > Double-click on the fields to be modified.

**Change View "Schema Definition": Overview**

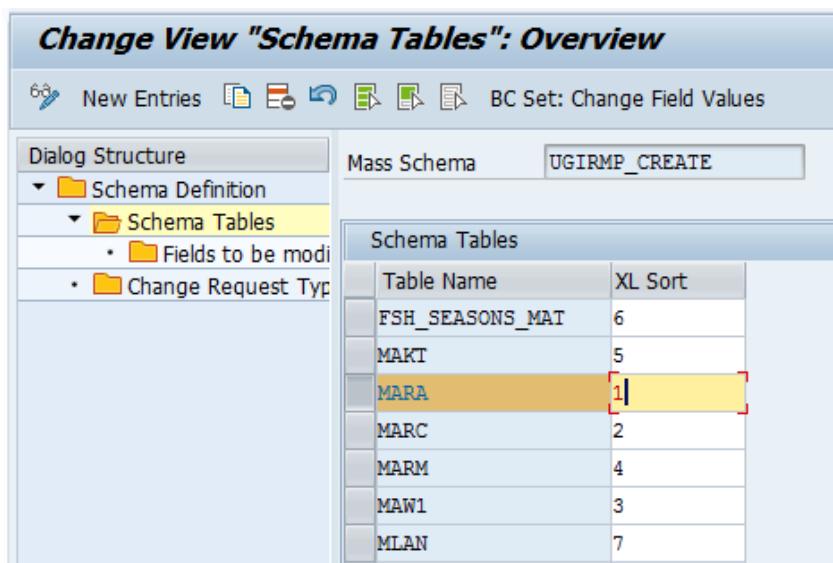


The screenshot shows the SAP Fiori interface for 'Change View "Schema Definition": Overview'. The dialog structure on the left shows 'Schema Definition' selected. In the main area, there is a table with three rows:

Mass Change Schema	Schema Typ	Data Model
UGIRMP_CHANGE	2 Change	▼ AR
UGIRMP_CHANGE_CHAR	2 Change	▼ AR
UGIRMP_CREATE	1 Create	▼ AR

Tables in "UGIRMP\_CREATE" schema are displayed.

**Change View "Schema Tables": Overview**

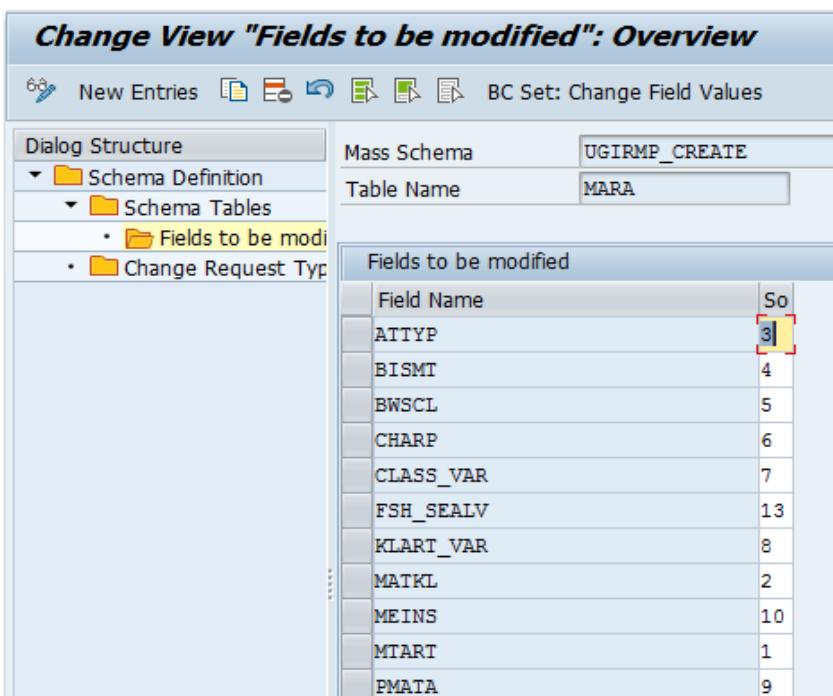


The screenshot shows the SAP Fiori interface for 'Change View "Schema Tables": Overview'. The dialog structure on the left shows 'Schema Tables' selected. In the main area, there is a table titled 'Schema Tables' with columns 'Table Name' and 'XL Sort'. The 'Table Name' column lists several tables, and the 'XL Sort' column lists their sort order. The row for 'MARA' has a value of '1' in the 'XL Sort' column, which is highlighted with a red border.

Table Name	XL Sort
FSH_SEASONS_MAT	6
MAKT	5
MARA	1
MARC	2
MARM	4
MAW1	3
MLAN	7

Fields in "MARA" table are displayed.

**Change View "Fields to be modified": Overview**



The screenshot shows the SAP Fiori interface for 'Change View "Fields to be modified": Overview'. The dialog structure on the left shows 'Fields to be modified' selected. In the main area, there is a table titled 'Fields to be modified' with columns 'Field Name' and 'So'. The 'Field Name' column lists various fields, and the 'So' column lists their sort order. The field 'ATTYP' has a value of '3' in the 'So' column, which is highlighted with a red border.

Field Name	So
ATTYP	3
BISMT	4
BWSCL	5
CHARP	6
CLASS_VAR	7
FSH_SEALV	13
KLART_VAR	8
MATKL	2
MEINS	10
MTART	1
PMATA	9

3. Add the new attributes to the table MARA as displayed in the screen and save your settings.

**Change View "Fields to be modified": Overview**

New Entries BC Set: Change Field Values

Dialog Structure	Mass Schema: UGIRMP_CREATE
Schema Definition	Table Name: MARA
Schema Tables	
Fields to be modified	
Change Request Type	
	Field Name   So
	PMATA   9
	TAKLV   15
	TRAGR   12
	ZZUNAME   14

## Add attribute to Schema UGIRMP\_CHANGE

1. Go to t-code SM54. Enter View Cluster "/UGIRMP/MASS\_SCH\_VC" and click on "Test" as displayed in the screen.

**Generate Table Maint. Dialog: Viewcluster Initial Screen**

Edit Table/View Edit Function Group Edit View Cluster Edit View Variant

View cluster: IRMP/MASS\_SCH\_VC Test

Display Create/Change

2. Select the Schema UGIRMP\_CHANGE > Double click on Schema Tables > Select the table MARA > Double-click on the fields to be modified.

**Change View "Schema Definition": Overview**

New Entries BC Set: Change Field Values

Dialog Structure	Schema Definition
Schema Definition	Mass Change Schema   Schema Typ   Data Model
Schema Tables	UGIRMP_CHANGE   2 Change   AR
Fields to be modified	UGIRMP_CHANGE_CHAR   2 Change   AR
Change Request Type	UGIRMP_CREATE   1 Create   AR

**Change View "Schema Tables": Overview**

New Entries BC Set: Change Field Values

Dialog Structure:

- Schema Definition
  - Schema Tables
    - Fields to be modified
  - Change Request Type

Mass Schema: UGIRMP\_CHANGE

Schema Tables:

Table Name	XL Sort
FSH_SEASONS_MAT	5
MAKT	6
MARA	1
MARC	2
MARM	4
MAW1	3

**Change View "Fields to be modified": Overview**

New Entries BC Set: Change Field Values

Dialog Structure:

- Schema Definition
  - Schema Tables
    - Fields to be modified
  - Change Request Type

Mass Schema: UGIRMP\_CHANGE

Table Name: MARA

Fields to be modified:

Field Name	So
ATTYP	3
BISMT	4
BWSCL	5
CHARP	6
CLASS_VAR	7
KLART_VAR	8
MATKL	2
MTART	1
PMATA	9

3. Add the new attributes to the table MARA as displayed in the screen and save your settings.

**Change View "Fields to be modified": Overview**

New Entries BC Set: Change Field Values

Dialog Structure:

- Schema Definition
  - Schema Tables
    - Fields to be modified
  - Change Request Type

Mass Schema: UGIRMP\_CHANGE

Table Name: MARA

Fields to be modified:

Field Name	So
MATKL	2
MTART	1
PMATA	9
ZZUNAME	10

# Extend the SPRO Customization

This section describes how to extend the SPRO customization for the additional field.

## Assign fields to field selection groups

You can create Customization for the additional field by following below steps.

1. Customizing using t-code SPRO.

Go to > Logistics - General > Material Master > Field Selection > Assign Fields to Field Selection Groups > New Entries.

Change View "Field Groups": Overview			
	Field name in full	Short Description	Sel. gr...
	*TC25T-TXT		66
	*TCA55-BZTXT		67
	*TCF13-FGRTXT		66
	BE_DELETE		
	BE_INSERT_ROW		
	CALP-AUFSG	Actual Markup in Sales Price Calculation	177
	CALP-EKORG	Purchasing Organization	176
	CALP-ENDPR	Final price	180
	CALP-KZPBL	Indicates that prices at plant level are to be deleted	194
	CALP-LIFNR	Vendor's account number	176
	CALP-SPABR	Margin (gross) in sales price calculation	183
	CALP-SPANE	Margin (net) in sales price calculation	182
	CALP-VKABS	Checkbox for saving sales price conditions	184

Change View "Field Groups": Overview				
	New Entries (F5)	Field name in full	Short Description	Sel. gr...
		MARA_LGHTY		45
		MARC-ABCIN	Physical inventory indicator for cycle counting	29
		MARC-AHDIS	MRP relevancy for dependent requirements	132
		MARC-ALTSL	Method for Selecting Alternative Bills of Material	51
		MARC-APLAL	Group Counter	41

2. Add the MARA-ZZUNAME field as displayed in the following screen.

**Change View "Field Groups": Details**

New Entries    

Field name	MARA-ZZUNAME
ABAP System Field: Name of Current User	
<b>Field attributes (industry and retail)</b>	
<input type="checkbox"/> Propose field cont. Maint. status <input type="text" value="K"/> ALE field group <input type="text" value="220"/>	
<b>Field attributes (retail only)</b>	
Restrict matl cat. <input type="text" value="1 Default for all material categories"/> <input checked="" type="checkbox"/> Copy field content <input type="checkbox"/> Incl. initial values	

3. Set Maintenance status as "K".
4. Assign ALE field group 220.
5. Select "Default for all material categories" option for field Restrict Matl Cat.
6. Save your settings. (The Field Selection Groups in the range 211-240 are reserved for customers).

## Enhance class /UGIRMP/CL\_MDG\_RF\_MASS\_UTIL

Use the following steps to enhance class /UGIRMP/CL\_MDG\_RF\_MASS\_UTIL.

1. Go to t-code SE24 and open class /UGIRMP/CL\_MDG\_RF\_MASS\_UTIL.

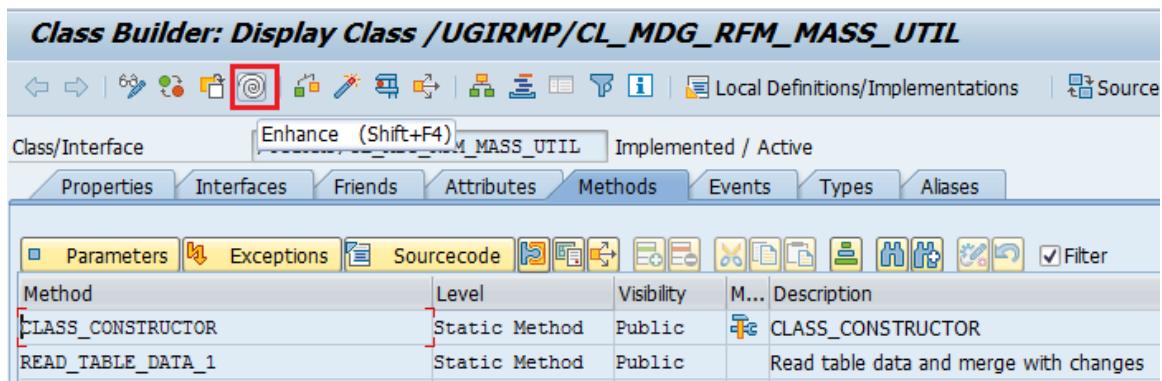
**Class Builder: Initial Screen**

 Class Browser

Object Type	/UGIRMP/CL_MDG_RF_MASS_UTIL		
	Display	 Change	 Create

2. Select the "Enhance" button to create an enhancement implementation.

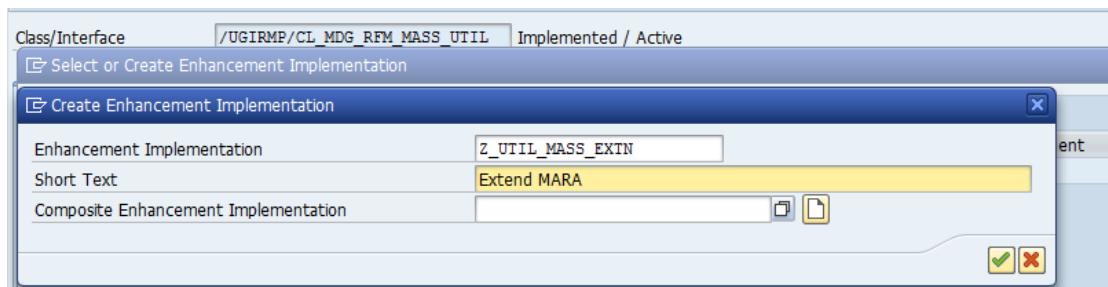
**Class Builder: Display Class /UGIRMP/CL\_MDG\_RF\_MASS\_UTIL**



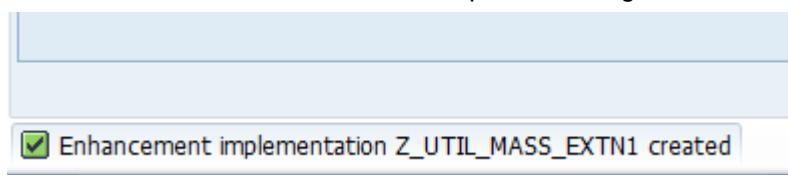
Method	Level	Visibility	Description
CLASS_CONSTRUCTOR	Static Method	Public	CLASS_CONSTRUCTOR
READ_TABLE_DATA_1	Static Method	Public	Read table data and merge with changes

A pop-up screen is displayed.

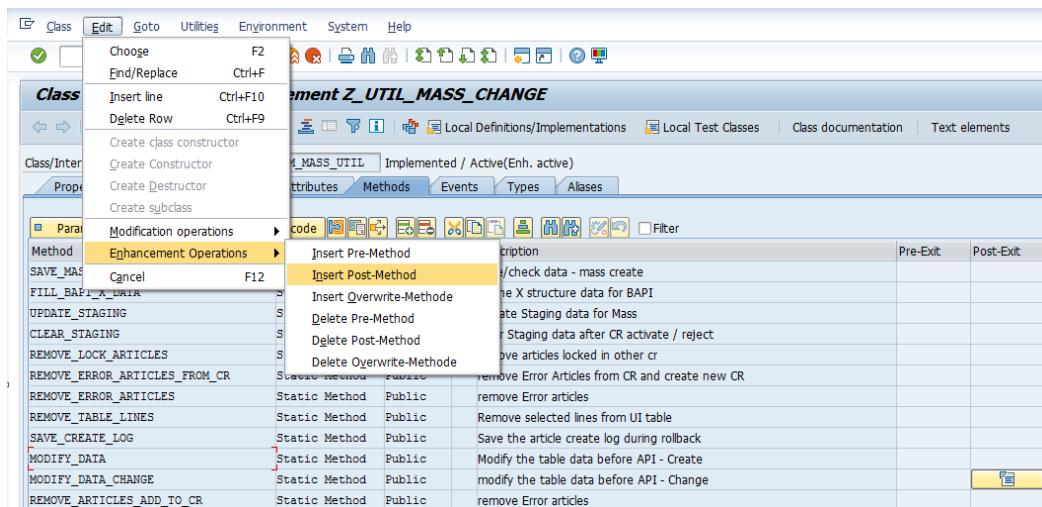
- Enter enhancement implementation name and description and Save.



Once the implementation gets created successfully a message is displayed at the bottom of the screen and standard interface screen opens in change mode.



- Add/modify the logic of existing standard method. Place the cursor on the MODIFY\_DATA method and select the option Edit > Enhancement Operations > Insert Post-Method.



- Select the "Insert Post-Method" option.

A source code button  is displayed on the Post-Exit column.

6. Click this button to implement the post-method of MODIFY\_DATA.

Class/Interface /UGIRMP/CL_MDG_RFM_MASS_UTIL Implemented / Active						
Properties		Interfaces		Friends		Attributes
Methods		Events		Types		Aliases
Method	Level	Visibility	M...	Description	Pre-Exit	Post-Exit
REMOVE_ERROR_ARTICLES	Static Method	Public		remove Error articles		
REMOVE_TABLE_LINES	Static Method	Public		Remove selected lines from UI table		
SAVE_CREATE_LOG	Static Method	Public		Save the article create log during rollback		
MODIFY_DATA	Static Method	Public		Modify the table data before API - Create		
MODIFY_DATA_CHANGE	Static Method	Public		modify the table data before API - Change		
REMOVE_ARTICLES_ADD_TO_CR	Static Method	Public		remove Error articles		

7. Click the source code button and navigate to the enhancement implementation “Z\_MASS\_EXTEND\_DATA” and use the following code to append CLIENTEXT and CLIENTEXTX tables.

```

Enhancement Include Z_MASS_EXTEND_DATA Active
83:  *"-"
84:
85: DATA: ls_bapielmaraxtrt TYPE bapielmaraxtrt.
86: DATA: ls_maralextrtx TYPE bapielmaraxtrtx.
87: DATA: ls_sea_ext TYPE zfsh_extnd.
88:
89: FIELD-SYMBOLS:<lt_data> TYPE ANY TABLE.
90:
91: LOOP AT it_tab_data INTO DATA(ls_data).
92:
93: CASE ls_data-tablename.
94:
95: WHEN 'MARA'.
96:
97:     ASSIGN ls_data-data->* TO <lt_data>.
98:     LOOP AT <lt_data> ASSIGNING FIELD-SYMBOL(<ls_line>).
99:
100:    ASSIGN COMPONENT 'MATNR' OF STRUCTURE <ls_line> TO FIELD-SYMBOL(<lv_matnr>).
101:    ASSIGN COMPONENT 'ZZUNAME' OF STRUCTURE <ls_line> TO FIELD-SYMBOL(<lv_uname>).
102:    CHECK <lv_matnr> IS NOT INITIAL.
103:
104:    ls_bapielmaraxtrt-function = 'MAR'.
105:    ls_bapielmaraxtrt-material = <lv_matnr>.
106:    ls_bapielmaraxtrt-field1 = <lv_uname>.
107:    APPEND ls_bapielmaraxtrt TO clientext.
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The screenshot shows the SAP Fiori Launchpad interface. The top navigation bar has the title "Enhancement Spot BADI\_ARTMAS\_IS\_EXTENSION Display". Below the title is a toolbar with various icons for navigation and configuration. The main area is titled "Enhancement Spot" and displays the name "BADI\_ARTMAS\_IS\_EXTENSION" with the status "Active". There are four tabs: "Attributes", "Enhancem. Implementations", "Technical Details", and "Enh. Spot Element Definitions". The "Enh. Spot Element Definitions" tab is selected. On the left, there is a tree view under "BADI Definitions" with nodes like "BADI\_ARTMAS\_IS\_EXTENSION" and "BADI\_ARTMAS\_INBOUND". A context menu is open over the "BADI\_ARTMAS\_IS\_EXTENSION" node, showing options: "Delete BADI", "Create BADI Implementation" (which is highlighted in yellow), "Create Implement.Example Class", "Create Filter", "Add Screen Enhancement", and "Add Menu Enhancement". To the right of the tree, there are two cards: one for "BADI Definition" with value "BADI\_ARTMAS\_INBOUND" and another for "Description" with value "Influencing Inbound Processing for Article BAPI".

Select or Create Enhancement Implementation

Enhancement Implementation	Package	Software Component	Beschreibung	Application Compon...
EL_FSH_EAN_RECYLING_ARTMAS	FSH_EAN_RECYLING_SFWS	EA-RETAIL		LO-MD-MM
EL_SGT_WHM_ARTMAS_INBOUND	EA_RETAIL-SGT_MD_SFWS_02	EA-RETAIL	Enhancement Implementation for BA...	LO-SGT-MD
EL_BADI_ARTMAS_IS_EXTENSION	WRF_ARTICLESCREENS	EA-RETAIL	Enhancement Implementation for BA...	LO-MD-MM
EL_SGT_ARTMAS_INBOUND	EA_RETAIL-SGT_MD_SFWS	EA-RETAIL	Enhancement Implementation for BA...	LO-SGT-MD
EL_FSH_ARTMAS_IS_EXTENSION	FSH_MD_SFWS	EA-RETAIL	Enhancement implementation : ART...	LO-FSH-MM
EL_SGT_MRP_ARTMAS_INBOUND	EA_RETAIL-SGT_MD_SFWS_03	EA-RETAIL	Enhancemet Implementation for BA...	LO-SGT-MD
ISM_ARTMAS_IS_EXTENSION	JSDI_WHS_MODIF	IS-M	Erweiterung IS Media Massenpflege...	IS-M-SD-MM
ISM_ARTMAS_EXTENSION	JSDI_WHS_MODIF	IS-M	Erweiterungen IS Media im Artikelta...	IS-M-SD-MS
ZEL_FMS_MASS_EXTENSION	\$TMP	LOCAL	FMS custom field extension for mass...	
EL_SGT_EAN_ARTMAS_INBOUND	EA_RETAIL-SGT_MD_SFWS_03	EA-RETAIL	Segmentation based EAN in Master d...	LO-SGT-MD

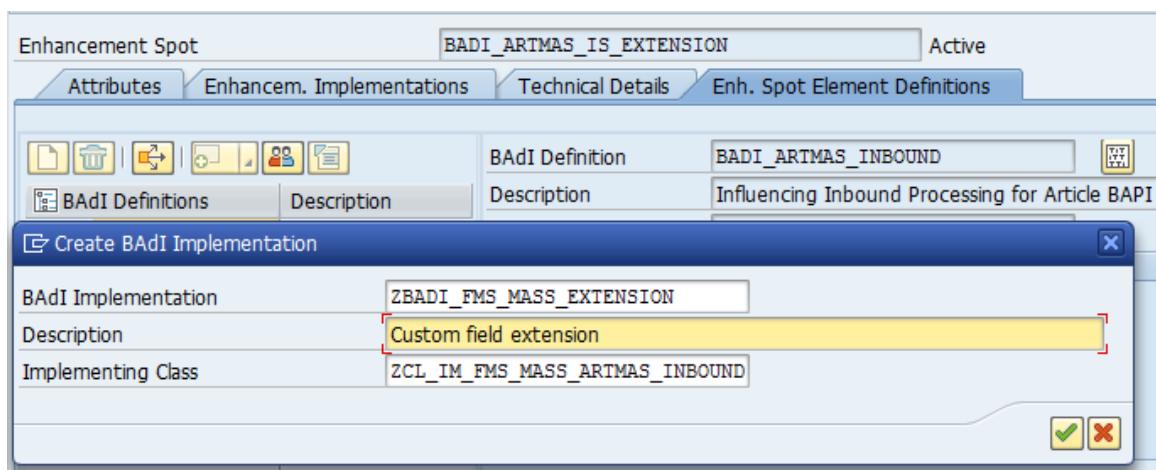
3. Enter a name for the Enhancement Implementation and enter Short Text and save.

Select or Create Enhancement Implementation				
	Enhancement Implementation	Package	Software Component	Beschreibung
•	EL_FSH_EAN_RECYLING_ARTMAS	FSH_EAN_RECYLING_SFWS	EA-RETAIL	Enhancement Implementation for BA...
•	EL_SGT_WM_ARTMAS_INBOUND	EA_RETAIL-SGT_MD_SFWS_02	EA-RETAIL	Enhancement Implementation for BA...
•	EL_BADI_ARTMAS_TS_EXTENSION	WRF_ARTICLE_SCREENS	FA-Retail	Enhancement Implementation for BA...

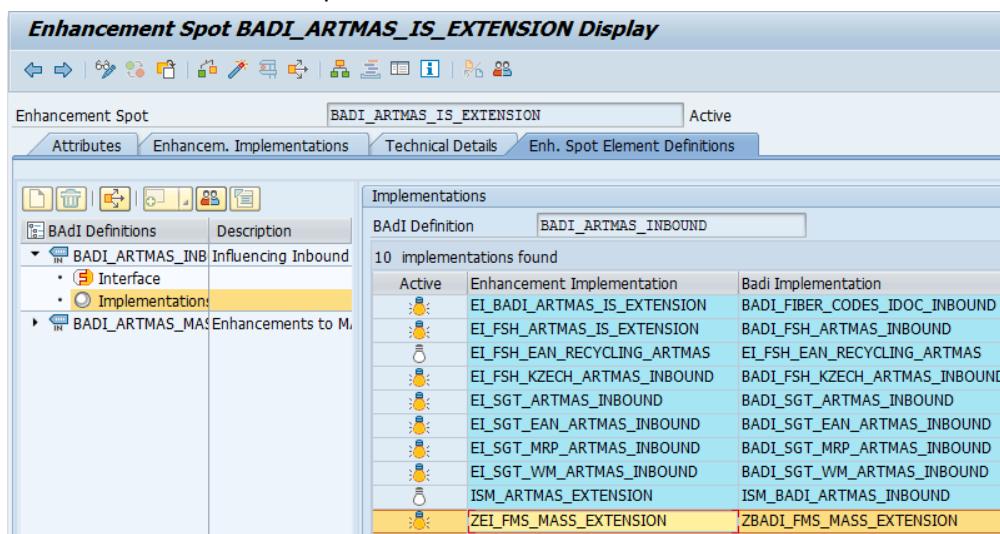
Create Enhancement Implementation

Enhancement Implementation	ZEI_FMS_MASS_EXTENSION
Short Text	FMS Custom Field Extension
Composite Enhancement Implementation	<input type="button" value=""/>

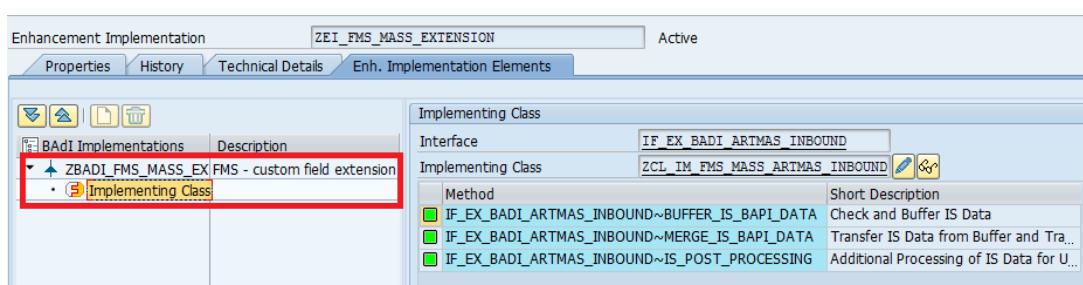
4. Enter a name for BAdl Implementation and Implementing Class and enter Description.



5. Double-click on the new implementation created.



6. Double-click on the Implementing Class. Navigate to the class and implement the methods. Save and activate.



7. Navigate to method "IF\_EX\_BADI\_ARTMAS\_INBOUND~MERGE\_IS\_BAPI\_DATA" and use the following code to map the ZZUNAME value to final table MARA\_UEB. Save and Activate.

**Class Builder Class ZCL\_IM\_FMS\_MASS\_ARTMAS\_INBOUND Display**

Method IF\_EX\_BADI\_ARTMAS\_INBOUND~MERGE\_IS\_BAPI\_DATA Active

```

1 METHOD if_ex_badi_artmas_inbound~merge_is_bapi_data.
2
3   LOOP AT mara_ueb ASSIGNING FIELD-SYMBOL(<fs_ueb>).
4     READ TABLE clientext INTO DATA(ls_ext)
5       WITH KEY material = <fs_ueb>-matnr
           function = 'MAR'.
6
7     IF sy-subrc = 0.
8       <fs_ueb>-zzuname = ls_ext-field1.
9       CLEAR ls_ext.
10      ENDIF.
11    ENDOLOOP.
12
13    is_data_sent_to_db = abap_true.
14
15  ENDMETHOD.
16

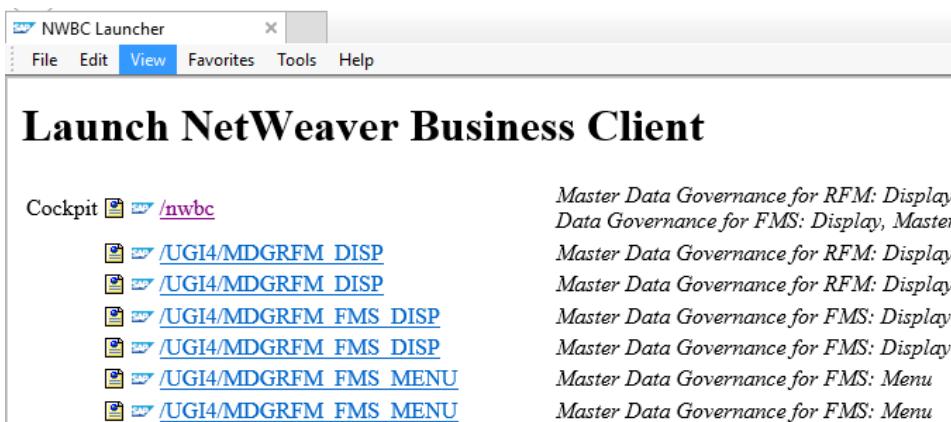
```

## Test the Configuration

Use the following steps to test the extension of table “MARA”.

### Create Article

1. Launch NWBC.



Cockpit  <a href="#">/nwbc</a>	<i>Master Data Governance for RFM: Display, Data Governance for FMS: Display, Master</i>
 <a href="#">/UGI4/MDGRFM_DISP</a>	<i>Master Data Governance for RFM: Display</i>
 <a href="#">/UGI4/MDGRFM_DISP</a>	<i>Master Data Governance for RFM: Display</i>
 <a href="#">/UGI4/MDGRFM_FMS_DISP</a>	<i>Master Data Governance for FMS: Display</i>
 <a href="#">/UGI4/MDGRFM_FMS_DISP</a>	<i>Master Data Governance for FMS: Display</i>
 <a href="#">/UGI4/MDGRFM_FMS_MENU</a>	<i>Master Data Governance for FMS: Menu</i>
 <a href="#">/UGI4/MDGRFM_FMS_MENU</a>	<i>Master Data Governance for FMS: Menu</i>

2. Choose Retail and Fashion Workstudio by Utopia > Retail and Fashion Workstudio (Mass Change/Create)

SAP NetWeaver Business Client

Master Data Governance for RFM	Master Data Governance for FMS	Retail and Fashion Work Studio by Utopia	
• Home			
➤ RFW Mass Processing			
➤ Change Requests and Documents			
➤ Analysis of Change Request			
		Article Mass Processing	
		<b>Retail and Fashion Work Studio (Mass Change/Create)</b>	

3. Select Mass Change schema “Mass Create of Articles”.

General Data

Change Request ID:	2824	Process Data:
* Description:	Mass Create	
Priority:		
Due Date:		
Reason:		

RFW Process    [Edit](#)    [Import from Excel](#)    [Export to excel](#)

Schema ID:    Total Articles P:

Mass Change of Articles    UGIRMP\_CHANGE  
**Mass Create of Articles    UGIRMP\_CREATE**  
 Mass Listing for Articles    UGIRMP\_LISTING

4. Click “Import from Excel”. Select the file and Upload.

RFW Process    [Edit](#)    [Import from Excel](#)    [Export to excel](#)

Schema ID:

\* File Uplo... C:\Users\tdominic\Desktop\FMS\Mass\_Documents\Extensi... Browse...

Overwrite Existing Records  
 Add to Existing Records

**UPLOAD**

Pr. Ref. Matl ( PMATA )	Base Unit ( MEINS )	Trans. Group ( TRAGR )	Season Usage ( FSH_SEALV )	User Name ( ZZUNAME )
EA	0002		Season Year / Season / Collectio...	XXXXXXXXXXXXXX

5. Fill the required details. Check, Submit, Approve and Activate the Change Request.



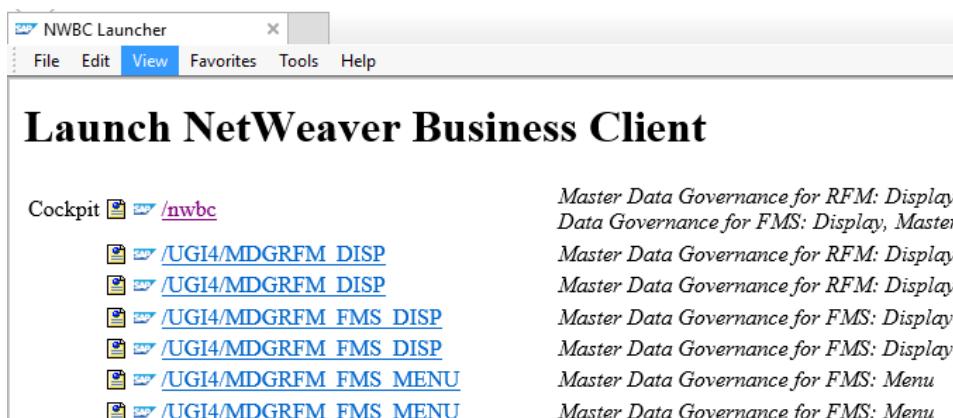
## 6. Verify the data from ECC.

Go to MARA table > ZZUNAME is updated with the value from the Change Request for Article ARTT1088.

<b>Data Browser: Table MARA Select Entries</b>			
Check Table...			
<b>Table:</b> MARA <b>Displayed Fields:</b> 3 of 3 <b>Fixed Columns:</b>			
	MANDT	MATNR	ZZUNAME
<input type="checkbox"/>	100	ARTT1088	XXXXXXXXXX

## Change Article

### 1. Launch NWBC.



The NWBC Launcher window shows the "View" tab selected. The main content area displays a list of links under "Launch NetWeaver Business Client".

Cockpit <a href="#">/nwbc</a>	<i>Master Data Governance for RFM: Display, Data Governance for FMS: Display, Master</i>
<a href="#">/UGI4/MDGRCFM_DISP</a>	<i>Master Data Governance for RFM: Display</i>
<a href="#">/UGI4/MDGRCFM_DISP</a>	<i>Master Data Governance for RFM: Display</i>
<a href="#">/UGI4/MDGRCFM_FMS_DISP</a>	<i>Master Data Governance for FMS: Display</i>
<a href="#">/UGI4/MDGRCFM_FMS_DISP</a>	<i>Master Data Governance for FMS: Display</i>
<a href="#">/UGI4/MDGRCFM_FMS_MENU</a>	<i>Master Data Governance for FMS: Menu</i>
<a href="#">/UGI4/MDGRCFM_FMS_MENU</a>	<i>Master Data Governance for FMS: Menu</i>

### 2. Choose Retail and Fashion Workstudio by Utopia> Retail and Fashion Workstudio (Mass Change/Create).

SAP NetWeaver Business Client

Master Data Governance for RFM	Master Data Governance for FMS	Retail and Fashion Work Studio by Utopia	
• Home			
➤ RFW Mass Processing			
➤ Change Requests and Documents			
➤ Analysis of Change Request			
		Article Mass Processing	
		<b>Retail and Fashion Work Studio (Mass Change/Create)</b>	

3. Select Mass Change schema “Mass Change of Articles”.

RFW Process	Edit	Import from Excel	Export to excel
Schema ID:	<input type="button" value="Mass Change of Articles"/> <b>UGIRMP_CHANGE</b> <input type="button" value="Mass Create of Articles"/> <b>UGIRMP_CREATE</b> <input type="button" value="Mass Listing for Articles"/> <b>UGIRMP_LISTING</b>		

4. Select the Article using Add Articles for Mass Change.

RFW Process	Edit	Add Articles for Mass Change	Import from Excel	Export to excel
Schema ID:	<input type="text" value="Mass Change of Articles"/>			
<a href="#">Change Request Log</a>				

Search Criteria    Saved Searches:

Search Term:			<input type="button"/>
Article	is	11390	<input type="button"/> <input type="button"/> <input type="button"/>
Article Type	contains	ZFMS	<input type="button"/> <input type="button"/> <input type="button"/>
Article Category	contains		<input type="button"/> <input type="button"/> <input type="button"/>
Merchandise Category	contains		<input type="button"/> <input type="button"/> <input type="button"/>
Description (medium text)	is		<input type="button"/> <input type="button"/>

Maximum Number of Results:

Save Search As:

Basic Data - MARA (1)

Article Number ( MATNR )	Article Type ( MTART )	Merchandise Category ( MAT... )	Article Category ( ATTYP )
11390	ZFMS	MC210101	Single material

## 5. Import all entries to CR and done.

Search Method: Article HANA Search (FMS)

Search Criteria    Saved Searches:

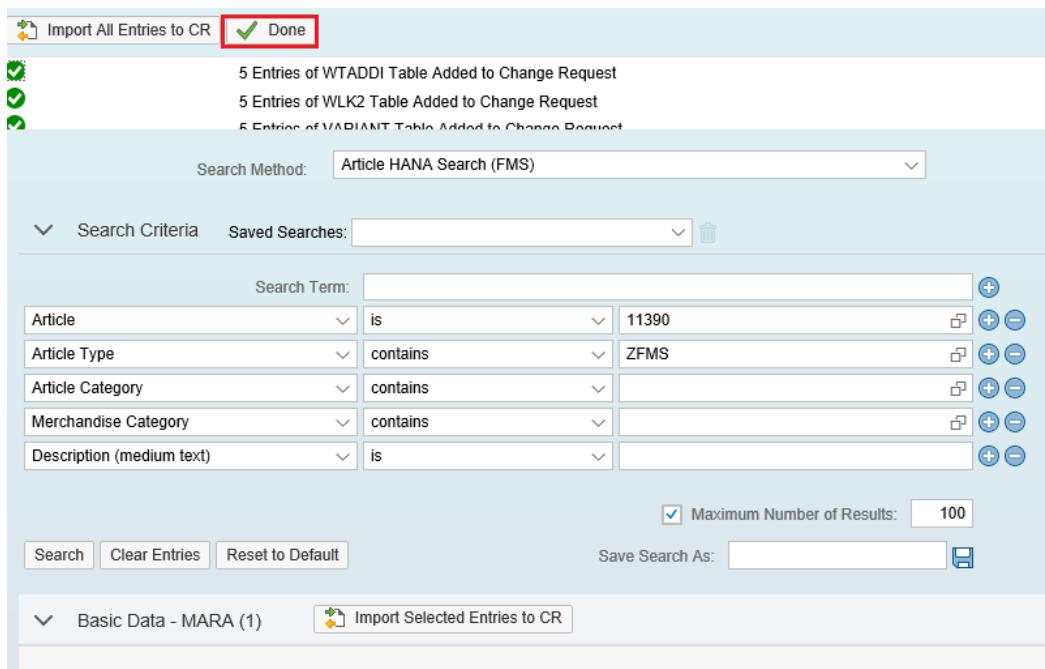
Search Term:			<input type="button"/>
Article	is	11390	<input type="button"/> <input type="button"/> <input type="button"/>
Article Type	contains	ZFMS	<input type="button"/> <input type="button"/> <input type="button"/>
Article Category	contains		<input type="button"/> <input type="button"/> <input type="button"/>
Merchandise Category	contains		<input type="button"/> <input type="button"/> <input type="button"/>
Description (medium text)	is		<input type="button"/> <input type="button"/>

Maximum Number of Results:

Save Search As:

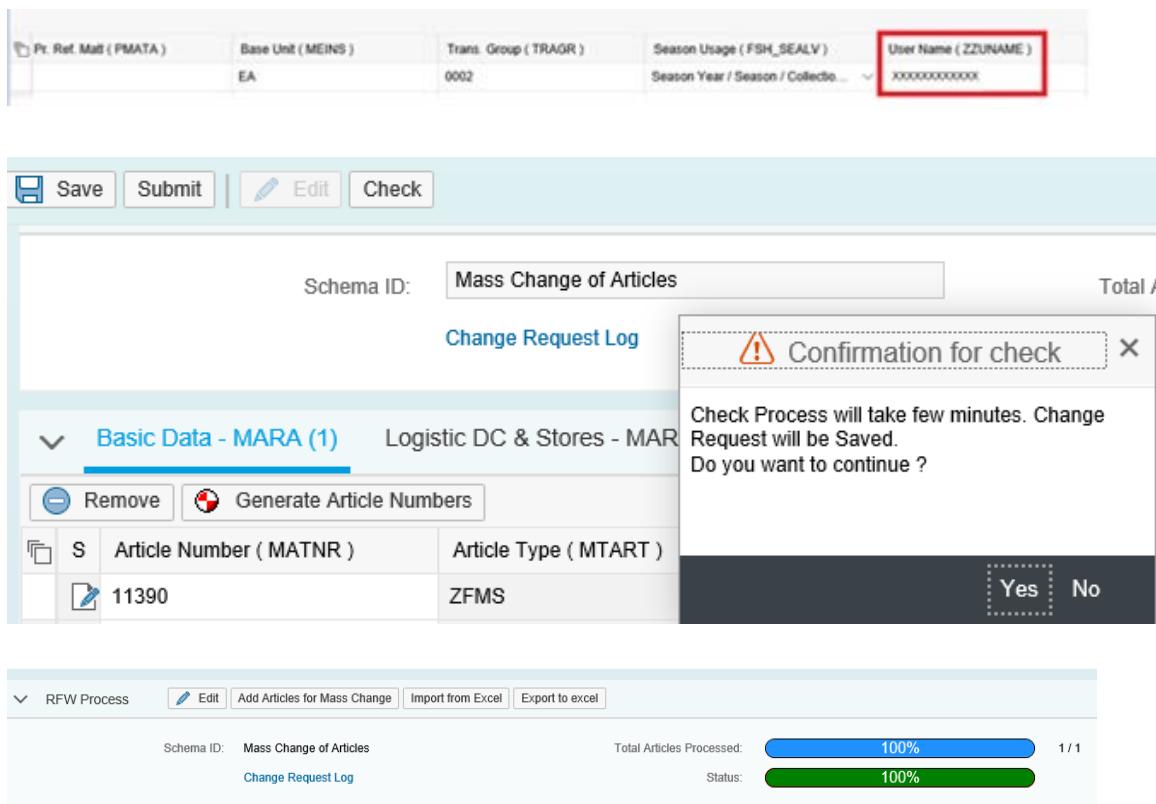
Basic Data - MARA (1)

Article Number ( MATNR )	Article Type ( MTART )	Merchandise Category ( MAT... )	Article Category ( ATTYP )
11390	ZFMS	MC210101	Single material



The screenshot shows the Utopia Change Request interface. At the top, a message says "Import All Entries to CR" with a green checkmark and the word "Done". Below this, three items are listed as added to the change request: "5 Entries of WTADDI Table Added to Change Request", "5 Entries of WLK2 Table Added to Change Request", and "5 Entries of VARIANT Table Added to Change Request". A search bar at the top right is set to "Article HANA Search (FMS)". The main area contains a search criteria builder with fields for Article, Article Type, Article Category, Merchandise Category, and Description (medium text). A checkbox for "Maximum Number of Results" is checked with the value "100". Buttons for "Search", "Clear Entries", and "Reset to Default" are available. A "Save Search As:" field is also present. Below the search criteria is a section titled "Basic Data - MARA (1)" with an "Import Selected Entries to CR" button.

- Enter data for custom field ZZUNAME. Check, Submit, Approve and Activate the Change Request.



The screenshot shows the RFW Process interface. At the top, there are buttons for "Save", "Submit", "Edit", and "Check". The "Schema ID" is set to "Mass Change of Articles". A "Change Request Log" section displays a confirmation dialog box with the title "Confirmation for check". The dialog text reads: "Check Process will take few minutes. Change Request will be Saved. Do you want to continue ?" with "Yes" and "No" buttons. Below the dialog, the "Basic Data - MARA (1)" section shows an article entry with Article Number (MATNR) 11390 and Article Type (MTART) ZFMS. The "Logistic DC & Stores - MARA" section is also visible. At the bottom, a progress bar shows "Total Articles Processed: 100%" and "Status: 100%".

- Verify the data from ECC.

Go to MARA table > ZZUNAME is updated with the value from the Change Request for Article 11390.

**Data Browser: Table MARA Select Entries 1**

Table: MARA  
Displayed Fields: 3 of 3 Fixed Columns:

	MANDT	MATNR	ZZUNAME
<input type="checkbox"/>	100	0000000000000011390	XXXXXXXXXX

### Note

To view the field ZZUNAME on the Article Master screens in ECC, separate screen enhancements are required and the ECC Enhancements are not covered in this document.