

## How-To Guide: Extend Retail Mass Processing by Prometheus Group with an additional attribute / Table

### Applies to

Retail Mass Processing by Prometheus Group

### 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 Retail Mass Processing by Prometheus Group by a new attribute / table.

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## Table of Contents

Introduction.....	4
Scenario .....	4
High-Level Requirements .....	4
Extend Retail Mass Processing – Generic.....	4
Implementation .....	4
Enhance Active/Staging Area Tables .....	4
Enhance table MARA.....	4
Enhance table /UGIRMP/MARA .....	5
Enhance table /UGIRMP/MARA_H .....	6
Enhance View Cluster .....	7
Edit View Cluster /UGIRMP/MASS_SCH .....	7
Extend the SPRO Customization .....	10
Assign fields to field selection groups .....	10
Enhance class /UGIRMP/CL_MDG_RFM_MASS_UTIL.....	11
Implement BAdI “BADI_ARTMAS_INBOUND” .....	13
Test the Configuration .....	15
Create Article .....	15
Change Article .....	17
Extend Retail Mass Processing – Seasons .....	19
Enhance Active Area Structures/Tables.....	19
Enhance View Cluster .....	20
Enhance class /UGIRMP/CL_MDG_RFM_MASS_UTIL.....	20
Enhance class CL_IM_FSH_ARTMAS_INBOUND.....	23
Test the Configuration .....	25
Extend Retail Mass Processing - Custom table.....	25
Create Active/Staging Area Tables .....	25
Create custom table ZRFWEXT .....	25
Create table ZRFWEXT_STA.....	26
Create table ZRFWEXT_STA_H .....	26
Create feeder class ZCL_RMP_MASS_ZRFWEXT .....	27
Create and add UI Config Z_AR_ZRFWEXT_LIST .....	28
Add custom table details to the Data Model Table Scope and Information .....	30

Implement BAdI /UGIRMP/_RMP_CUSTOM_BADI .....	32
Extend Search UI – Custom table .....	33
Add UI Config Z_AR_ZRFWEXT_LIST to the Search UI .....	33
Enhance Structure /UGIRMP/MASS_TABS .....	34
Test the Configuration .....	35
Create Article .....	35

## Introduction

This document describes how to extend the Retail Mass Processing by Prometheus Group with an additional attribute/Table.

## Scenario

- Extend tables MARA and FSH\_SEASONS\_MAT with an additional attribute “ZZUNAME”.
- Extend RMP Solution with an additional table “ZRFWEXT”.

## High-Level Requirements

The business requires to add new attributes/tables as part of the Retail Mass Processing by Prometheus Group.

## Extend Retail Mass Processing – Generic

Use the following steps to extend RMP Solution with an additional attribute. It is explained with table MARA as an example.

## 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\_RFM\_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. Run t-code SE11 > Open the database table MARA.
2. Click “Append Structure” to append the required fields into MARA table.

**Dictionary: Display Table**

Transparent Table: MARA Active Append Structure... (F5)

Short Description: General Material Data

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

1 / 258

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
MAINR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MAINR	CHAR	18	0	Material Number
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	EMARA	STRU	0	0	Data Division MARA

- Enter the "Append Name" in the given field, as displayed in the following screen.

**Dictionary: Display Table**

Transparent Table: MARA Active Append Structure...

Short Description: General Material Data

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

Create Append Structure for MARA

Append Name

Category for Material

13-11 Append to MARA: Media-Specific Fields

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

**Dictionary: Display Append Structure**

Append Structure: ZFMS\_MASS\_EXTEND 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

A field is appended successfully to the MARA table.

**Dictionary: Display Table**

Transparent Table: MARA Active Append Structure...

Short Description: General Material Data

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

Srch Help Predefined Type

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
FASHGRD	<input type="checkbox"/>	<input type="checkbox"/>	FASHGRD	CHAR	4	0	Fashion Grade
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZFMS_MASS_EXTEND	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

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

- Run t-code SE11 > Open the database table /UGIRMP/MARA.
- Click "Append Structure" to append the required fields into /UGIRMP/MARA table.

**Dictionary: Display Table**

Transparent Table /UGIRMP/MARA Active Append Structure... (F5)

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
MANDI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDI	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	SIRU	0		0 Data Division MARA

3. Enter a name to the Append Structure.

**Dictionary: Display Table**

Transparent Table /UGIRMP/MARA Active

Short Description Mass Operations Staging data for MARA

Append Structure for /UGIRMP/MARA

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.

**Dictionary: Display Append Structure**

Append Structure ZFMS\_MASS\_EXT Active

Short Description Append structure for Mass extension

Attributes Components Input Help/Check Currency/quantity fields

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

A 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	SIRU	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. Run t-code SE11 > Open the database table /UGIRMP/MARA\_H.
2. Click "Append Structure" 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
MAINR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MAINR	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

Create Append Structure for /UGIRMP/MARA\_H

Append Name: ZFMS\_MASS\_EXTND

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

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

**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
ZUNAME	1 Types	SYST_UNAME	CHAR	12		0 ABAP System Field:

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

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 the view cluster by adding new fields to Schema Tables.

## Edit View Cluster /UGIRMP/MASS\_SCH

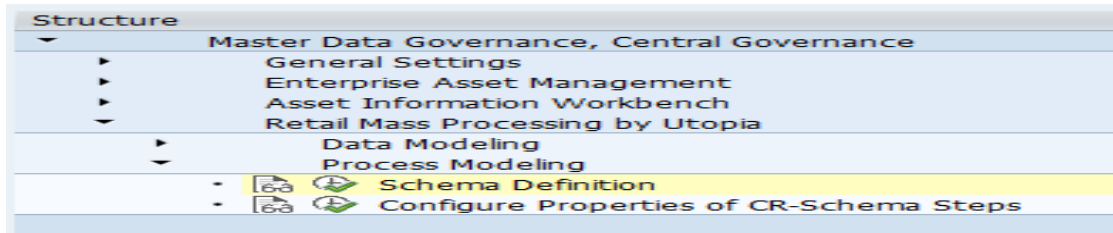
The following topics are discussed in the section:

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

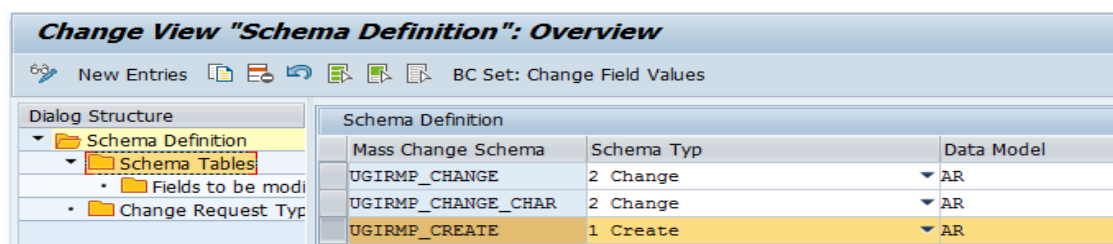
## Add attribute to Schema UGIRMP\_CREATE

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

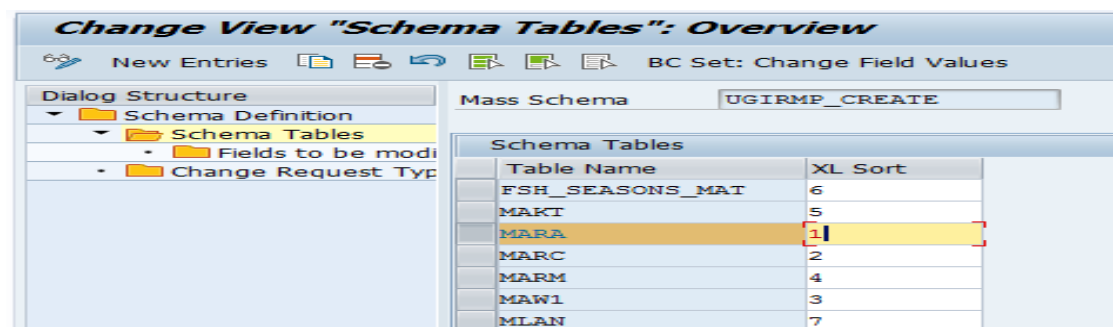
1. Go to MDGIMG.
2. Go to Retail Mass Processing by Prometheus Group ->Process Modelling-> Schema Definition.



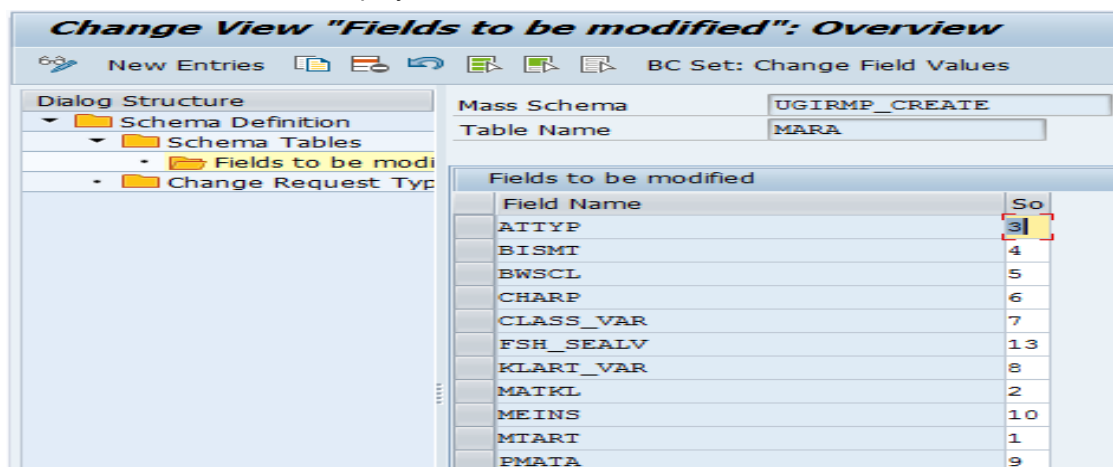
3. Select the Schema UGIRMP\_CREATE > Double click on Schema Tables > Select the table MARA> Double-click on the fields to be modified.



Tables in “UGIRMP\_CREATE” schema are displayed.



Fields in “MARA” table are displayed.





4. 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\_CREATE  
Table Name: MARA

Fields to be modified	
Field Name	So
PMATA	9
TAKLV	15
TRAGR	12
ZZUNAME	14

### Add an attribute to Schema UGIRMP\_CHANGE

1. Go to MDGIMG.
2. Go to Retail Mass Processing by Prometheus Group -> Process Modelling -> Schema Definition

**Structure**

- Master Data Governance, Central Governance
  - General Settings
  - Enterprise Asset Management
  - Asset Information Workbench
  - Retail Mass Processing by Utopia
    - Data Modeling
    - Process Modeling
      - Schema Definition
      - Configure Properties of CR-Schema Steps

3. 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 Tables
    - Fields to be modified
    - Change Request Type

Mass Change Schema	Schema Typ	Data Model
UGIRMP_CHANGE	2 Change	AR
UGIRMP_CHANGE_CHAR	2 Change	AR
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

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

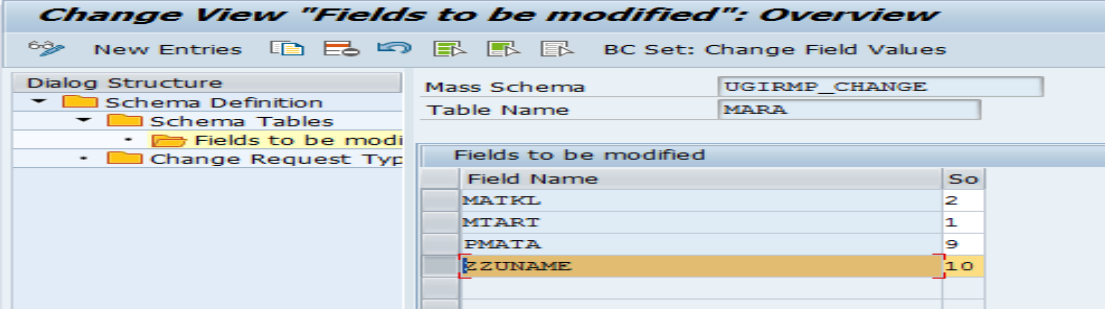
Dialog Structure

- 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

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



Field Name	So
MATKL	2
MTART	1
PMATA	9
ZZUNAME	10

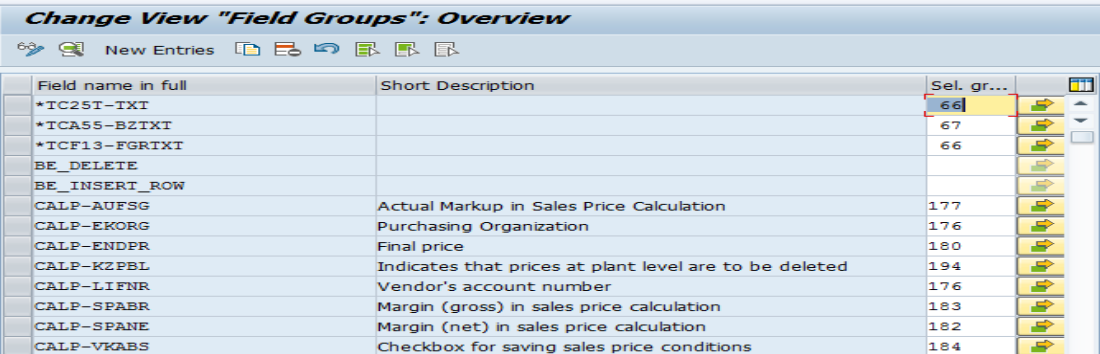
## Extend the SPRO Customization

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

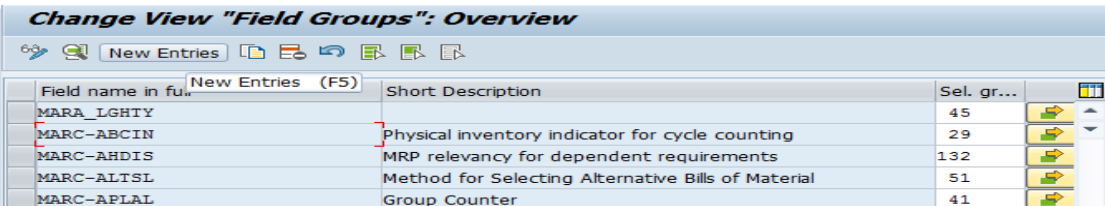
### Assign fields to field selection groups

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.

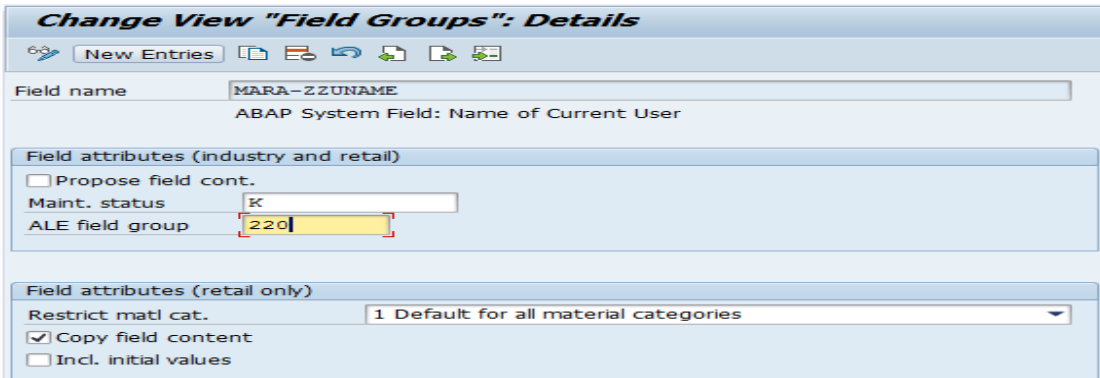


Field name in full	Short Description	Sel. gr...
*TC25T-TXT		66
*TCASS-BZTXT		67
*TCF13-FGRITXT		66
BE_DELETE		
BE_INSERT_ROW		
CALP-AUFSG	Actual Markup in Sales Price Calculation	177
CALP-EKORG	Purchasing Organization	176
CALP-ENDPR	Final price	180
CALP-KZPBL	Indicates that prices at plant level are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



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-ALISL	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.



Field name: MARA-ZZUNAME  
ABAP System Field: Name of Current User

Field attributes (industry and retail)

☐ Propose field cont.

Maint. status: K

ALE field group: 220

Field attributes (retail only)

Restrict matl cat.: 1 Default for all material categories

☒ Copy field content

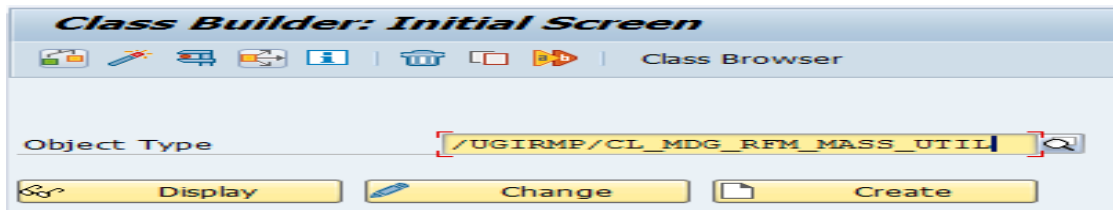
☐ Incl. initial values

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).

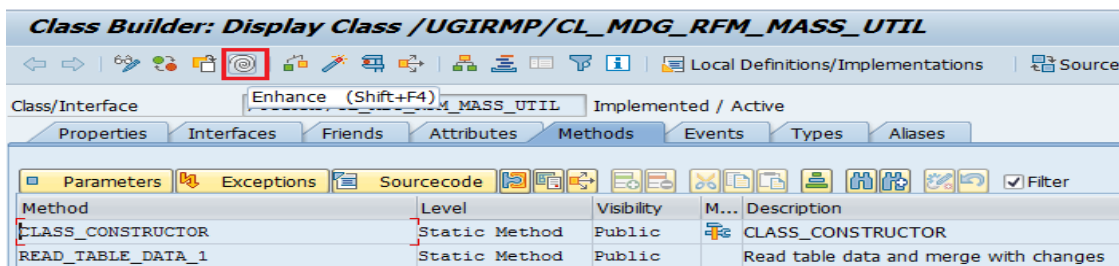
## Enhance class /UGIRMP/CL\_MDG\_RFM\_MASS\_UTIL

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

1. Run t-code SE24 and open class /UGIRMP/CL\_MDG\_RFM\_MASS\_UTIL.

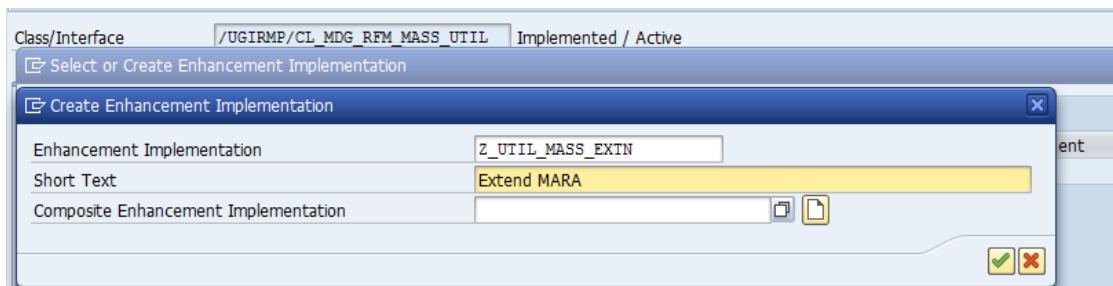


2. Select "Enhance" to create an enhancement implementation.

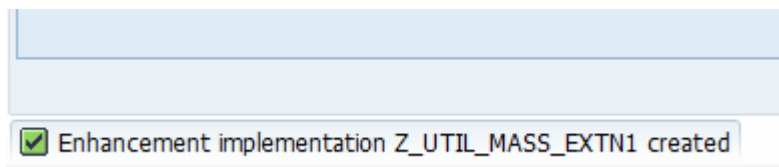


A pop-up screen is displayed.

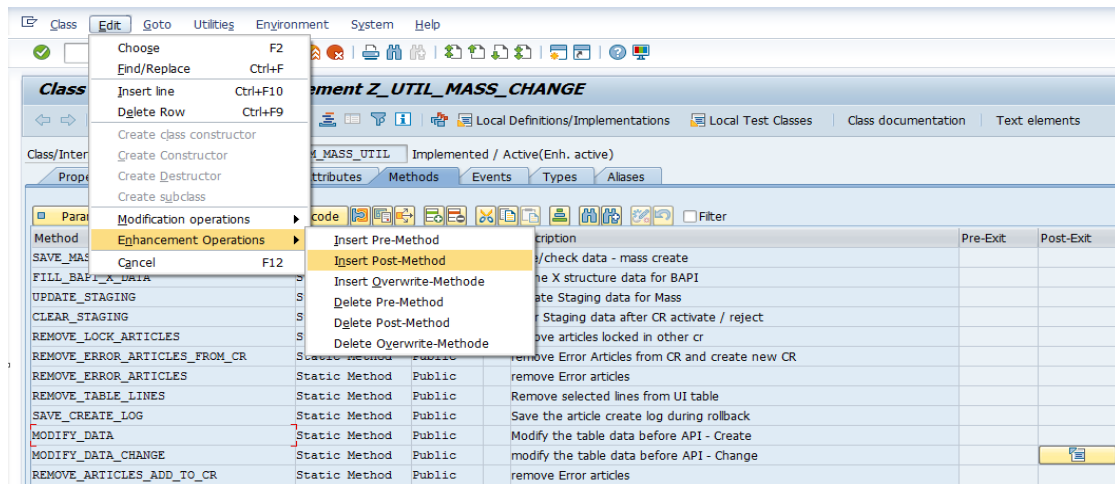
3. Enter enhancement implementation name and description and Save.




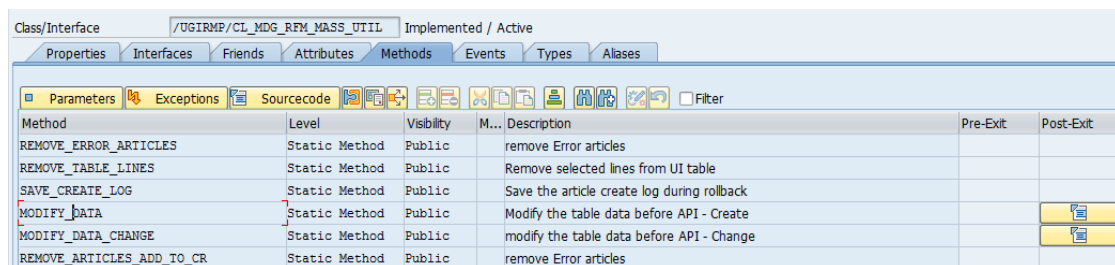
Once the implementation gets created successfully, a message is displayed at the bottom of the screen and the standard interface screen opens in change mode.



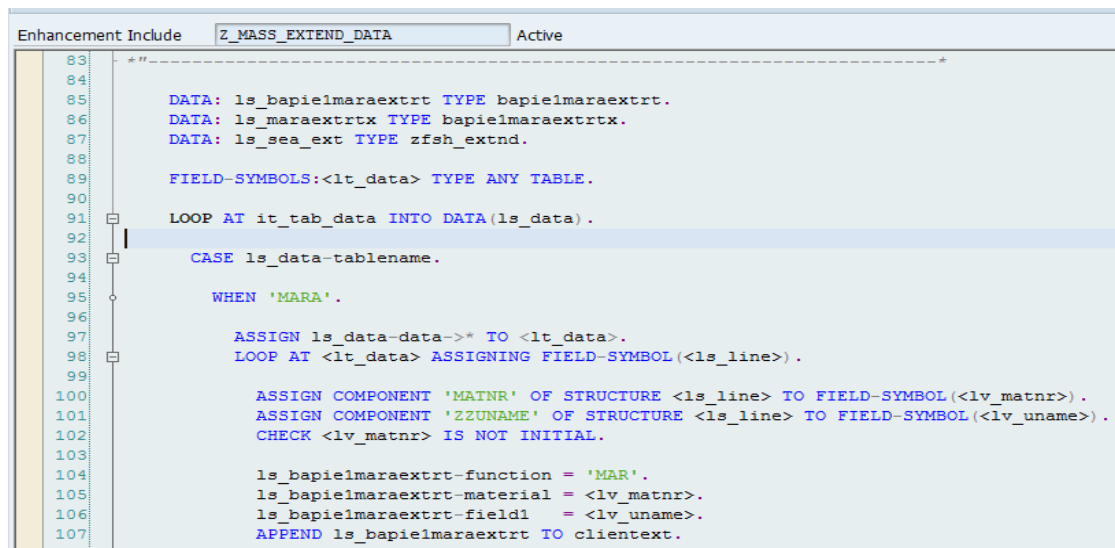
4. Add/modify the logic of the existing standard method.  
Place the cursor on the MODIFY\_DATA method and select the option Edit > Enhancement Operations > Insert Post-Method.



5. 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**.



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 **CLIENTTXT** tables.



### Note

Refer the sample code attached.



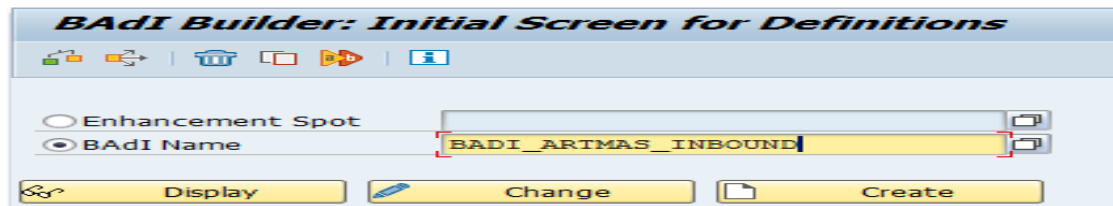
Z\_MASS\_EXTEND\_D  
ATA.txt

8. Save and activate.

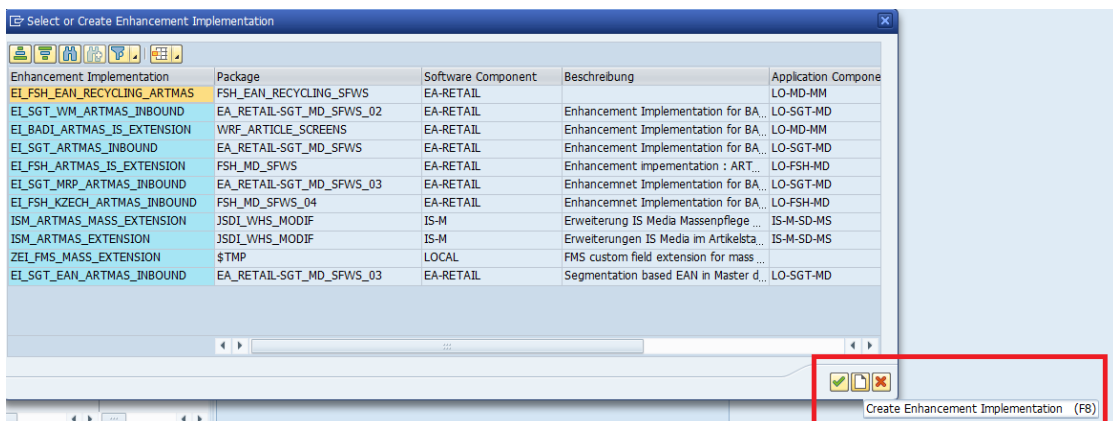
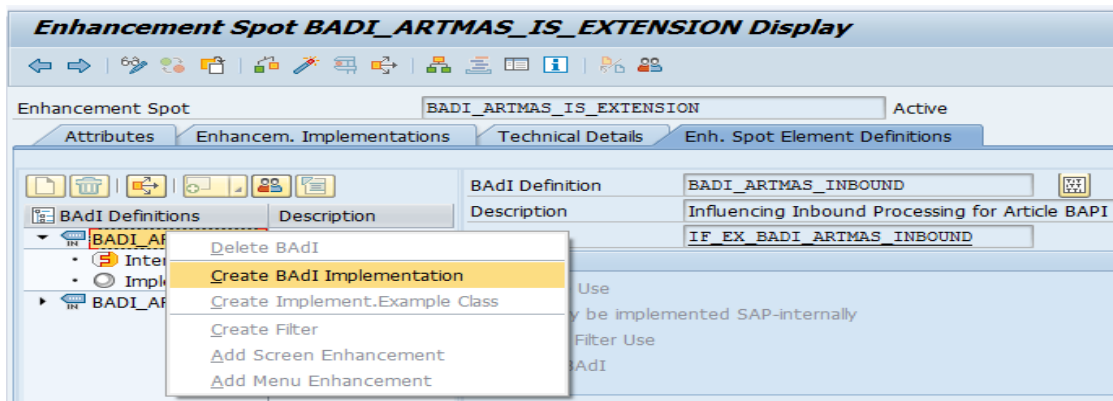
## Implement BAdI “BADI\_ARTMAS\_INBOUND”

Use the following steps to implement BAdI BADI\_ARTMAS\_INBOUND.

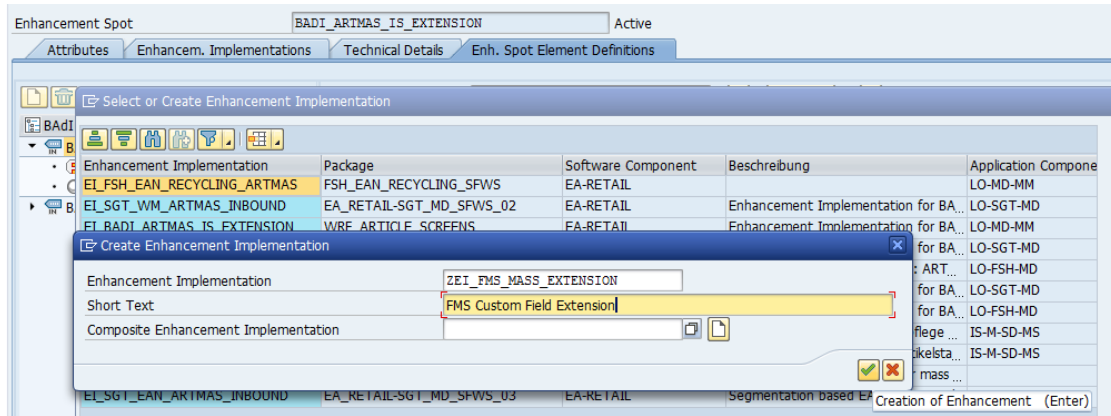
1. Run t-code SE18 and select BAdI “BADI\_ARTMAS\_INBOUND”.



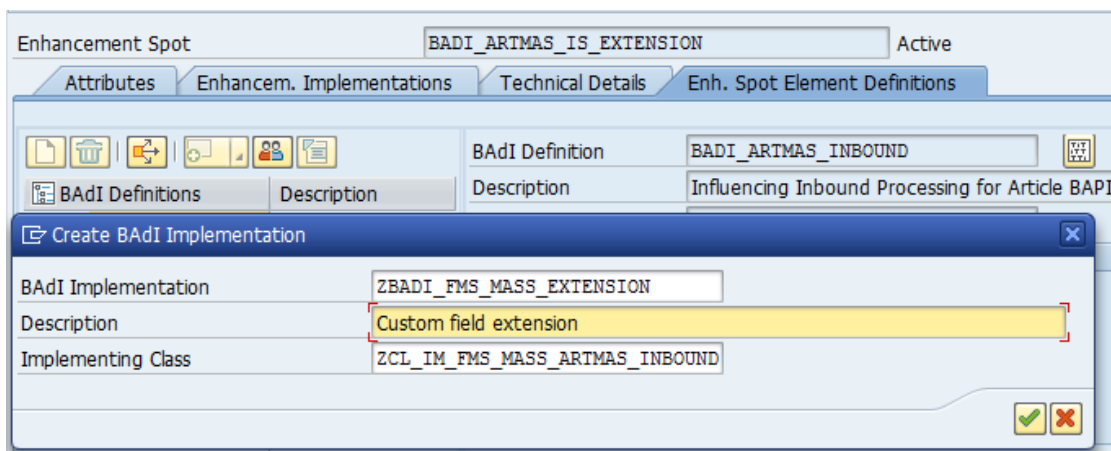
2. Create BAdI Implementation as displayed in the following screen.



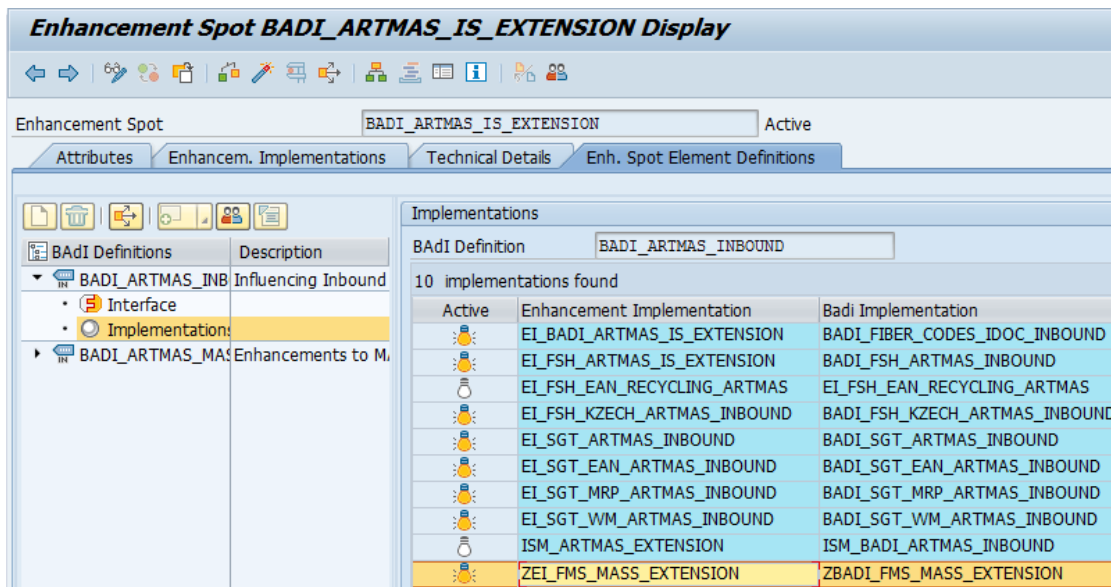
3. Enter a name for the Enhancement Implementation and enter Short Text.
4. Click Save.



5. Enter a name for BAdI Implementation and Implementing Class.
6. Enter the "Description" in the given field, as displayed in the following screen.

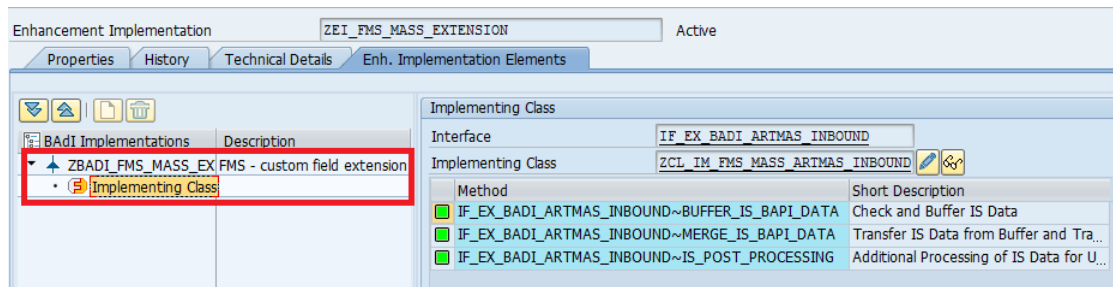


7. Double-click on the new implementation created.



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



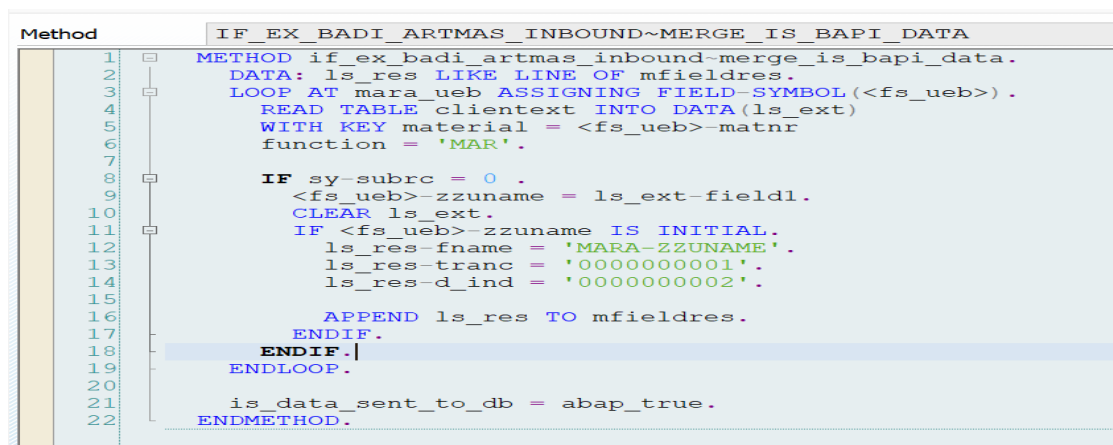


1. Navigate to method "IF\_EX\_BADI\_ARTMAS\_INBOUND~MERGE\_IS\_BAPI\_DATA" and refer the following code to map the ZZUNAME value to final table MARA\_UEB.

Fill table MFIELDRES with fields FNAME, TRANC, D\_IND to update any custom field with blank value.

Save and Activate.

Refer the sample code. Use appropriate logic to fill TRANC and D\_IND for specific tables.

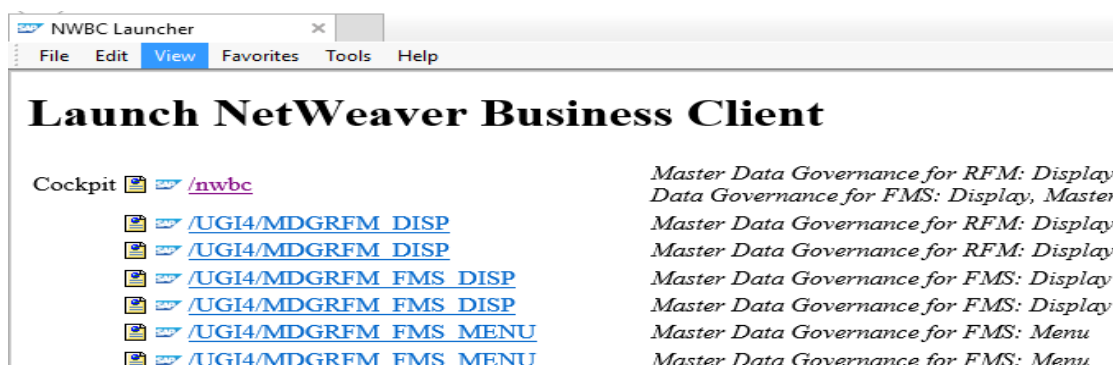


## Test the Configuration

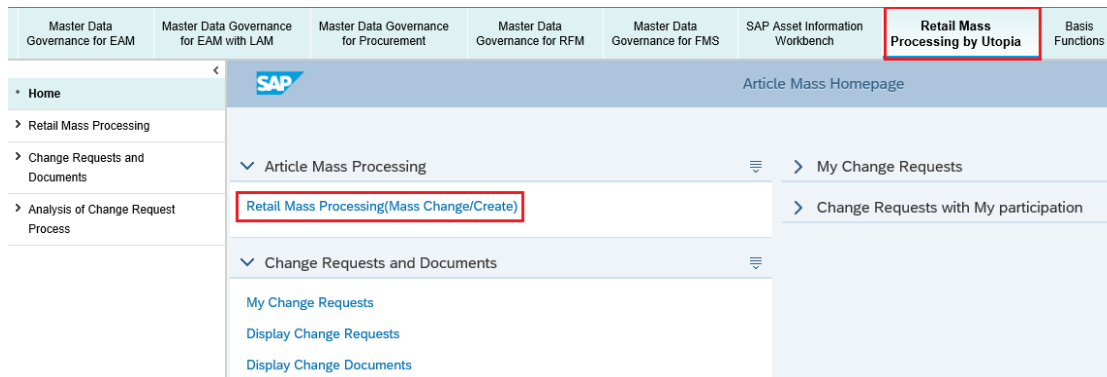
Use the following steps to test the extension of table "MARA".

## Create Article

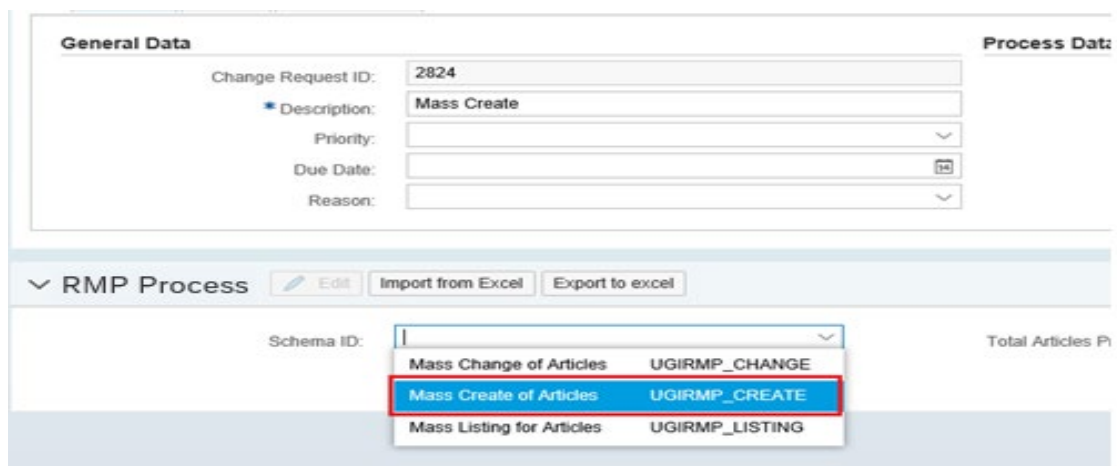
1. Launch NWBC.



2. Choose Retail Mass Processing by Prometheus Group > Retail Mass Processing (Mass Change/Create)



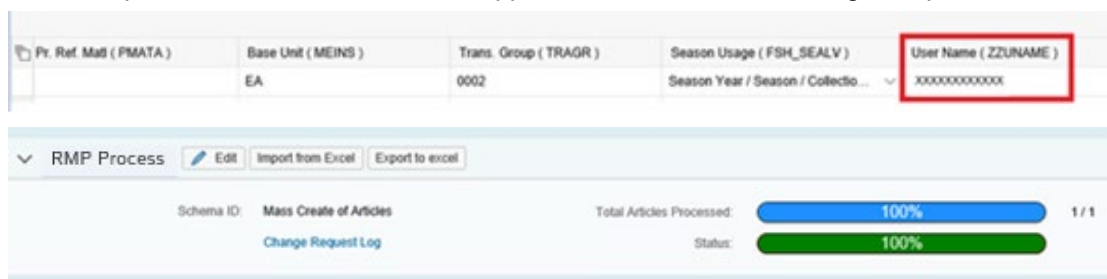
3. Select Mass Change schema “Mass Create of Articles”.



4. Click “Import from Excel”.

5. Select the file and Upload.

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



7. Verify the data from ECC.

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

**Data Browser: Table MARA Select Entries**

Check Table...

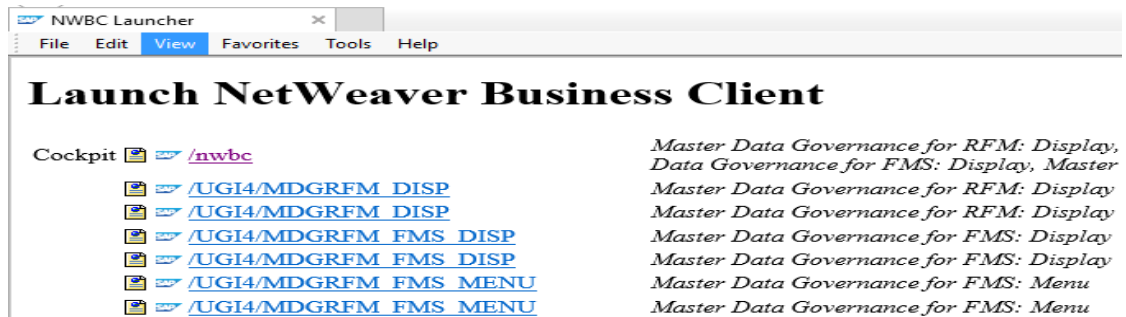
Table: MARA  
Displayed Fields: 3 of 3      Fixed Columns:

	MANDT	MATNR	ZZUNAME
<input type="checkbox"/>	100	ARTT1088	XXXXXXXXXXXX

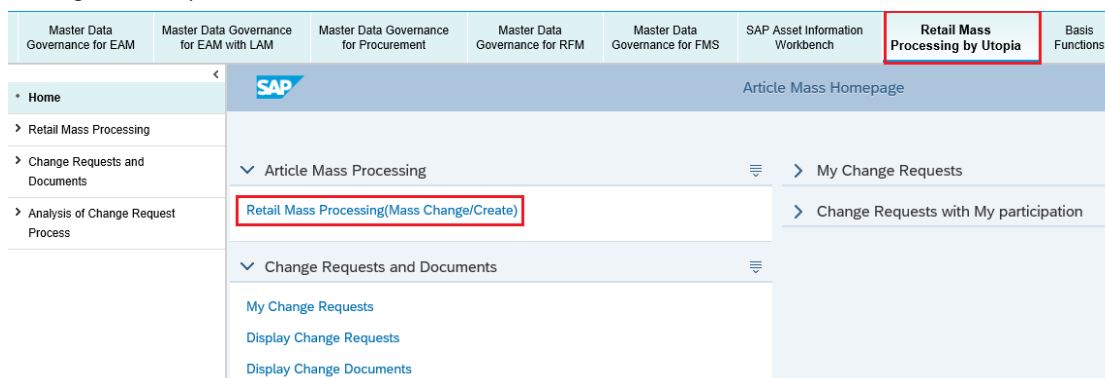


## Change Article

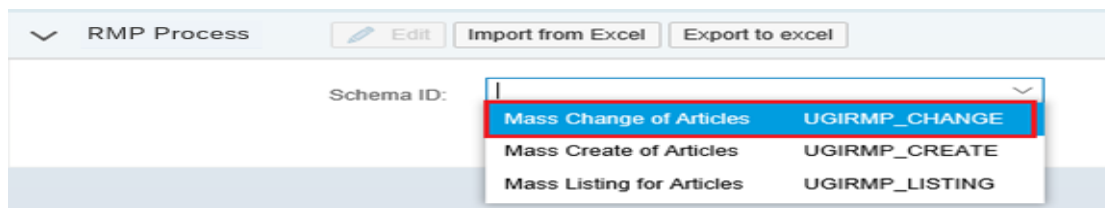
1. Launch NWBC.



2. Choose Retail Mass Processing by Prometheus Group > Retail Mass Processing (Mass Change/Create).



3. Select Mass Change schema "Mass Change of Articles".



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



Search Criteria    Saved Searches:

Search Term:

Article	is	11390
Article Type	contains	ZFMS
Article Category	contains	
Merchandise Category	contains	
Description (medium text)	is	

☒ Maximum Number of Results: 100

Search    Clear Entries    Reset to Default    Save Search As:

Basic Data - MARA (1)   

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

5. Click "Import All Entries to CR" and then click "Done".

Import All Entries to CR    ☒ Done

Search Method: Article HANA Search (FMS)

Search Criteria    Saved Searches:

Search Term:

Article	is	11390
Article Type	contains	ZFMS
Article Category	contains	
Merchandise Category	contains	
Description (medium text)	is	

☒ Maximum Number of Results: 100

Search    Clear Entries    Reset to Default    Save Search As:

Basic Data - MARA (1)   

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

Import All Entries to CR    ☒ Done

5 Entries of WTADDI Table Added to Change Request  
5 Entries of WLK2 Table Added to Change Request  
5 Entries of VARIANT Table Added to Change Request

Search Method: Article HANA Search (FMS)

Search Criteria    Saved Searches:

Search Term:

Article	is	11390
Article Type	contains	ZFMS
Article Category	contains	
Merchandise Category	contains	
Description (medium text)	is	

☒ Maximum Number of Results: 100

Search    Clear Entries    Reset to Default    Save Search As:

Basic Data - MARA (1)   

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

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

[RMP Process](#)
[Edit](#)
[Add Articles for Mass Change](#)
[Import from Excel](#)
[Export to excel](#)

Schema ID: **Mass Change of Articles**
Total Articles Processed:  1 / 1

[Change Request Log](#)
Status:

7. Verify the data from ECC.

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

	MANDT	MATNR	ZZUNAME
<input type="checkbox"/>	100	00000000000000011390	XXXXXXXXXXXX

**i** 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.

## Extend Retail Mass Processing – Seasons

Use the following steps to extend the table Seasons with an additional attribute.

## Enhance Active Area Structures/Tables




Use the [Enhance Active/Staging Area Tables steps](#) to enhance database tables FSH\_SEASONS\_MA, /UGIRMP/SEASONS, /UGIRMP/SEASON\_H by appending the structure with the field ZZUNAME of type SYST\_UNAME.

The field is appended successfully in the FSH\_SEASONS\_MAT table as displayed in the following screen.

Transparent Table **FSH\_SEASONS\_MAT** ☒ Active

Short Description Table for Seasons In Material

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

   **Srch Help** **Predefined Type**

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
SAINR	<input type="checkbox"/>	<input type="checkbox"/>	SAINR	CHAR	18	0	Cross-Plant Configurable Material
<u>.APPEND</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>ZFMS_SEA_EXTND</u>	STRU	0	0	Custom field extension
<u>ZZUNAME</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>SYST_UNAME</u>	CHAR	12	0	ABAP System Field: Name of Current User

The field is appended successfully into the /UGIRMP/SEASONS table as displayed in the following screen.

Transparent Table **/UGIRMP/SEASONS** Active

Short Description Table for Seasons In Material

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

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
SAINR	<input type="checkbox"/>	<input type="checkbox"/>	SAINR	CHAR	18	0	Cross-Plant Configurable Material
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12	0	Change Request
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZFMS_SEA_EXTEND	STRU	0	0	Custom field extension
ZZUNAME	<input type="checkbox"/>	<input type="checkbox"/>	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

The field is appended successfully into the /UGIRMP/SEASON\_H table.

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

Short Description Table for Seasons In Material


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

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
SAINR	<input type="checkbox"/>	<input type="checkbox"/>	SAINR	CHAR	18	0	Cross-Plant Configurable Material
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12	0	Change Request
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZFMS_SEA_EXT	STRU	0	0	Custom field extension
ZZUNAME	<input type="checkbox"/>	<input type="checkbox"/>	SYST_UNAME	CHAR	12	0	ABAP System Field: Name of Current User

## Enhance View Cluster

Enhance table FSH\_SEASONS\_MAT with the additional field ZZUNAME by following the [enhance view cluster steps](#).

The new attribute ZZUNAME is added to the schema UGIRMP\_CREATE as displayed in the screen.

New Entries  BC Set: Change Field Values

Dialog Structure


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

Mass Schema **UGIRMP\_CREATE**

Table Name **FSH\_SEASONS\_MAT**

Field Name	So
SEASON3	8
SEA_INDICATOR	10
ZZUNAME	12

The new attribute ZZUNAME is added to the schema UGIRMP\_CHANGE as displayed in the screen.

New Entries  BC Set: Change Field Values

Dialog Structure

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

Mass Schema **UGIRMP\_CHANGE**

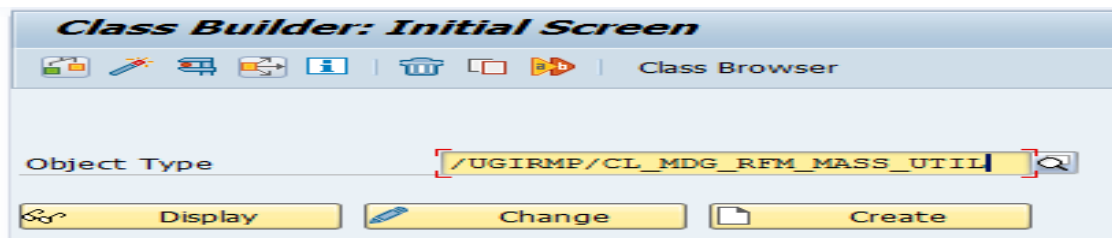
Table Name **FSH\_SEASONS\_MAT**

Field Name	So
SEASON3	8
SEA_INDICATOR	10
ZZUNAME	12

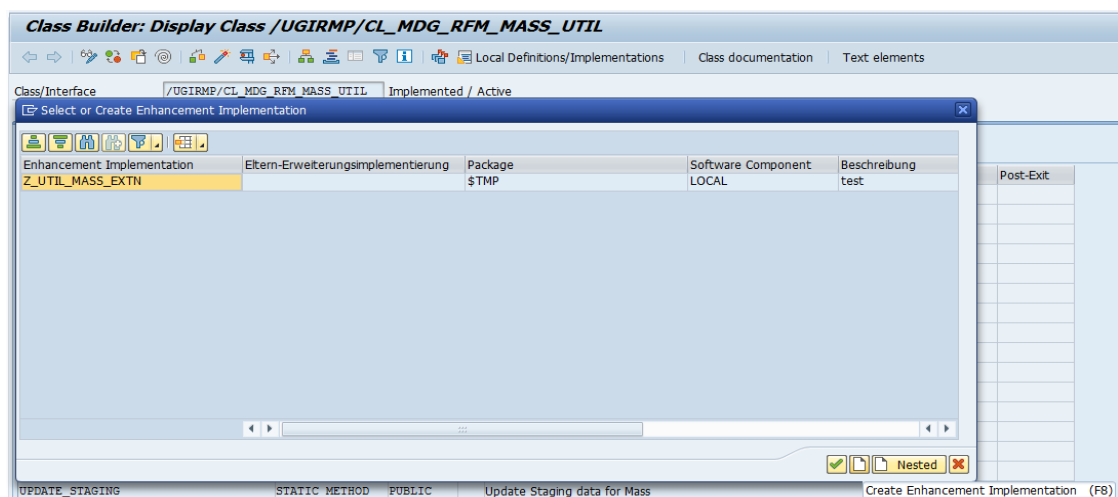
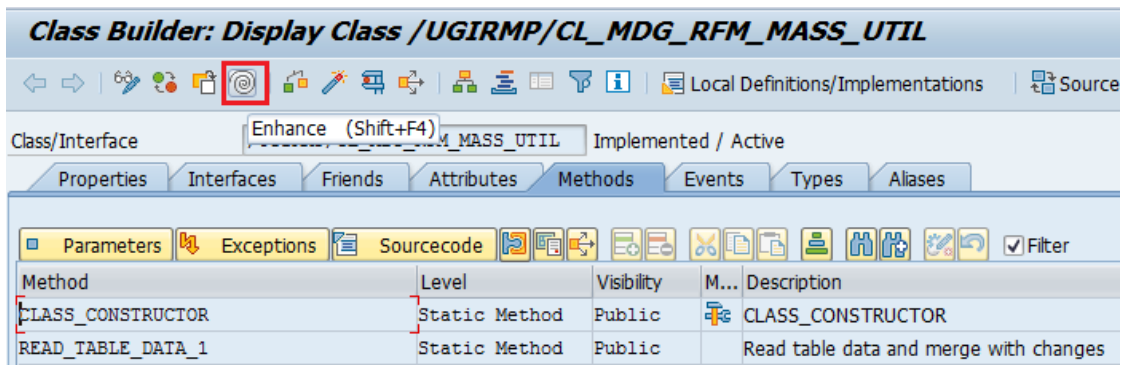
## Enhance class /UGIRMP/CL\_MDG\_RFM\_MASS\_UTIL

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

1. Run t-code SE24 and open class /UGIRMP/CL\_MDG\_RFM\_MASS\_UTIL.

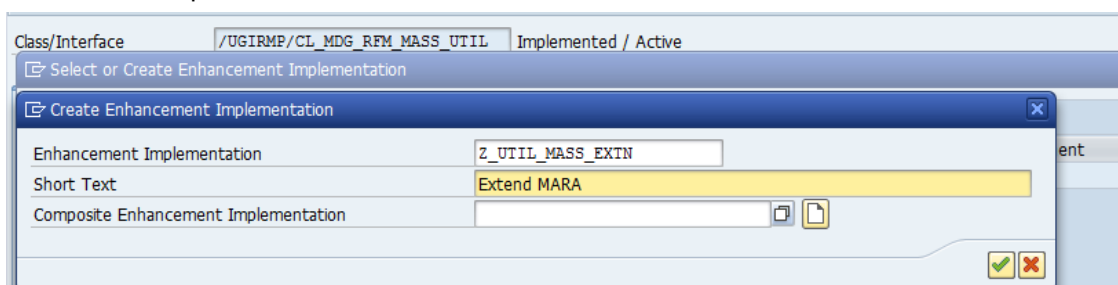


2. Select "Enhance" to create an enhancement implementation.

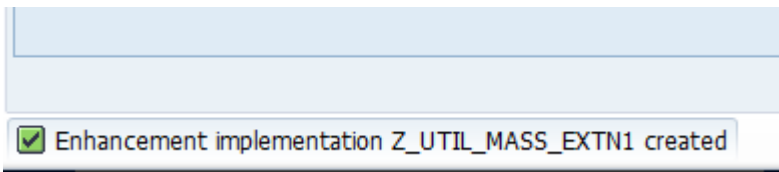


A pop-up screen is displayed.

3. Enter "Enhancement Implementation" name in the given field.
4. Enter the description in the field "Short Text" and click Save.

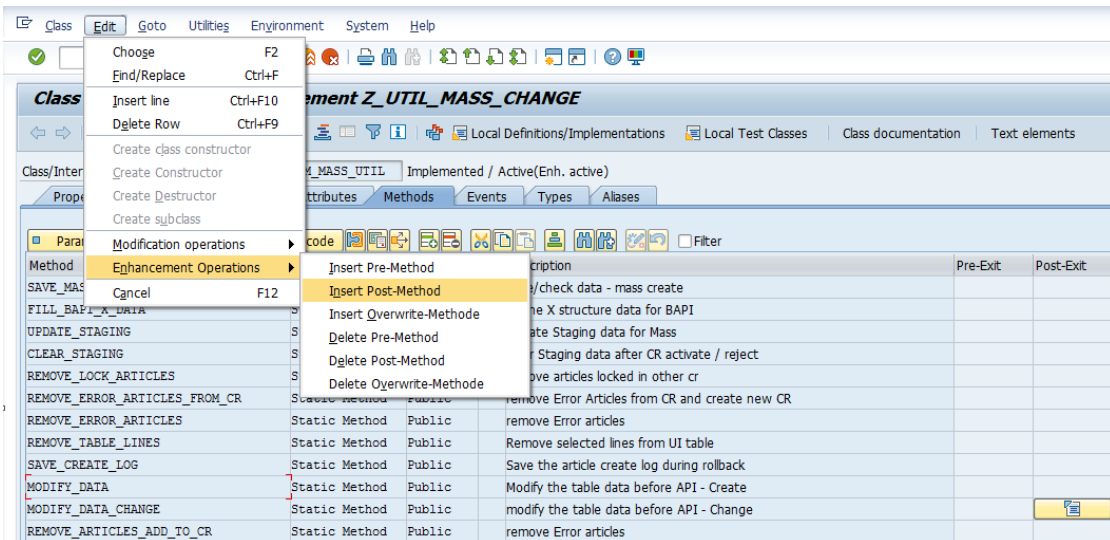


Once the implementation is created successfully, a message is displayed at the bottom of the screen and a standard interface screen opens in change mode.




5. Add/modify the logic of the existing standard method.

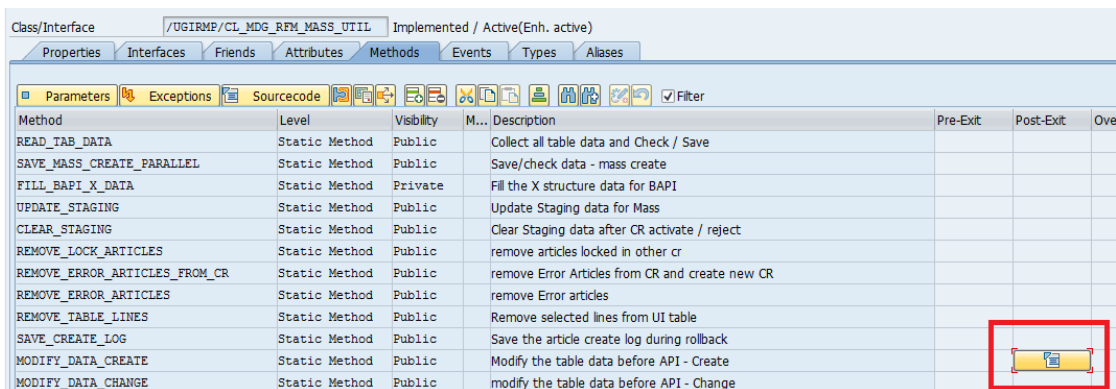
Place the cursor on the MODIFY\_DATA method and select the Edit > Enhancement Operations > Insert Post-Method option.



6. Select the "Insert Post-Method" option.

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

7. Click the source code button to implement the post-method of MODIFY\_DATA.



8. Navigate to the enhancement implementation and use the attached code to append CLIENTTEXT and CLIENTTEXTX tables. Save and activate.

**ABAP Editor: Display Enhancement Include Z\_UTIL\_MASS\_EXTN**

Enhancement Include Z\_UTIL\_MASS\_EXTN Active

```

81  * " !ADDNLCLIENTDATA type BAPIE1MAW1RTX_TAB optional
82  * " !MATERIALDESCRIPTION type BAPIE1MAKTRT_TAB optional .
83  * "-----*
84  DATA: ls_bapie1maraextrt TYPE bapie1maraextrt.
85  DATA: ls_maraextrtx TYPE bapie1maraextrtx.
86  DATA: ls_sea_ext TYPE zfsch_extnd.
87
88  FIELD-SYMBOLS:<lt_data> TYPE ANY TABLE.
89
90  * IF sy-uname = 'TDOMINIC'.
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.

```

Note

Refer the sample code attached.

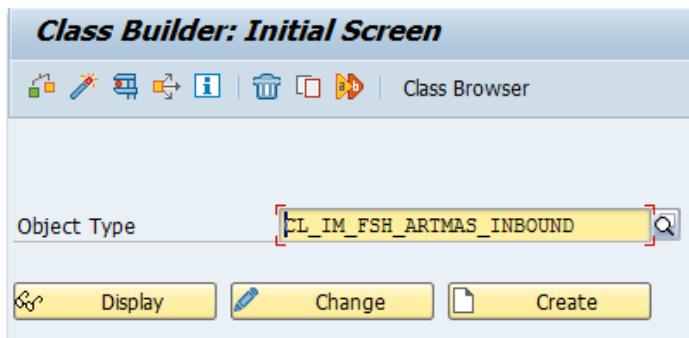


Z\_MASS\_EXTEND\_D  
ATA.txt

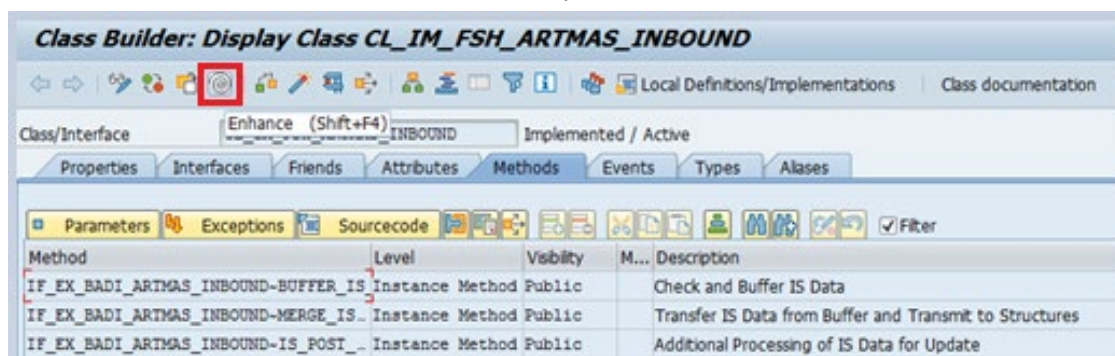
## Enhance class CL\_IM\_FSH\_ARTMAS\_INBOUND

Use the following steps to enhance CL\_IM\_FSH\_ARTMAS\_INBOUND class.

1. Run t-code SE24 and open class CL\_IM\_FSH\_ARTMAS\_INBOUND.



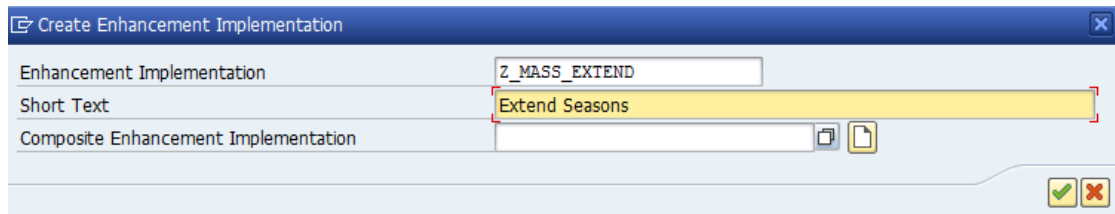
2. Select "Enhance" to create an enhancement implementation.





A pop-up screen is displayed.

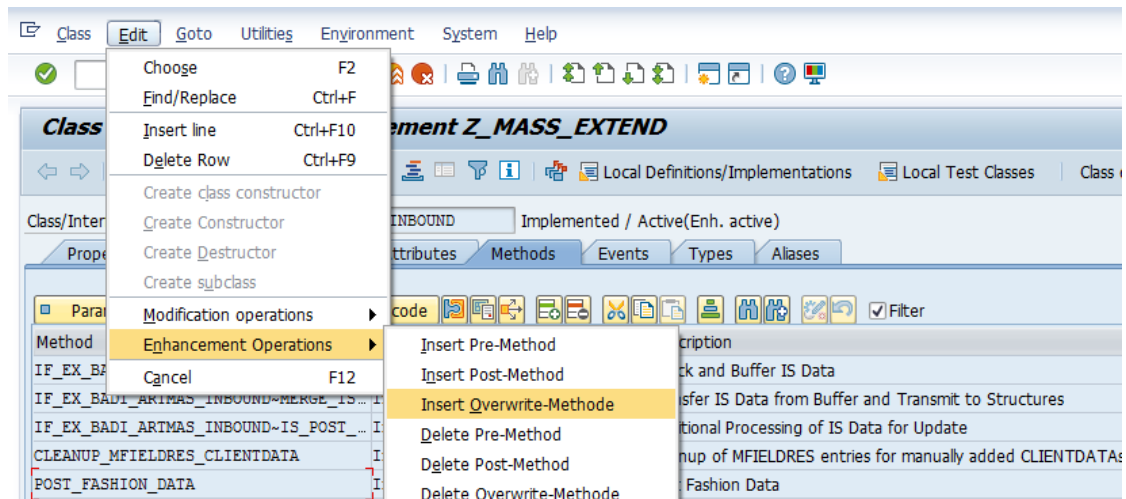
- Enter "Enhancement Implementation" name in the given field.
- Enter the description in the field "Short Text" and click Save.




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

- Add/modify the logic of the existing standard method.

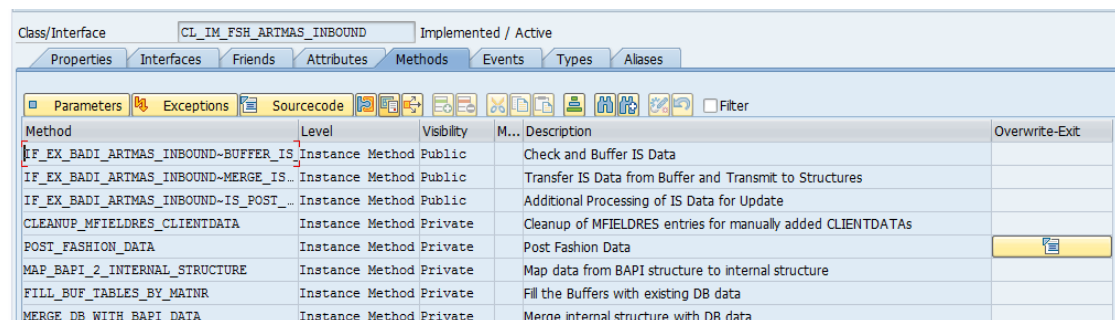
Place the cursor on the POST\_FASHION\_DATA method and select the option Edit > Enhancement Operations > Insert Overwrite-Method.




- Select the "Insert Overwrite-Method" option.

The source code button  is displayed on the Overwrite column.

- Click the source code button to implement the post-method of POST\_FASHION\_DATA.



Method	Level	Visibility	M...	Description	Overwrite-Exit
IF_EX_BADI_ARTMAS_INBOUND-BUFFER_IS...	Instance Method	Public		Check and Buffer IS Data	
IF_EX_BADI_ARTMAS_INBOUND-MERGE_IS...	Instance Method	Public		Transfer IS Data from Buffer and Transmit to Structures	
IF_EX_BADI_ARTMAS_INBOUND-IS_POST...	Instance Method	Public		Additional Processing of IS Data for Update	
CLEANUP_MFIELDRES_CLIENTDATA	Instance Method	Private		Cleanup of MFIELDRES entries for manually added CLIENTDATAS	
POST_FASHION_DATA	Instance Method	Private		Post Fashion Data	
MAP_BAPI_2_INTERNAL_STRUCTURE	Instance Method	Private		Map data from BAPI structure to internal structure	
FILL_BUF_TABLES_BY_MAINR	Instance Method	Private		Fill the Buffers with existing DB data	
MERGE_DB_WITH_BAPI_DATA	Instance Method	Private		Merge internal structure with DB data	

- Navigate to enhancement "Z\_MASS\_EXTEND" and use the enclosed code. Save and activate.



**ABAP Editor: Display Enhancement Include Z\_MASS\_EXTEND**

Enhancement Include Z\_MASS\_EXTEND Active

```

25  *"      !IT_VARIANTSKEYS type BAPIE1VARKEY_TAB .
26  *"-----*
27  DATA: ls_activity TYPE usmd_s_usmd160c,
28        lv_crequest TYPE usmd_crequest.
29  FIELD-SYMBOLS <lr_data>          TYPE ANY TABLE.
30
31  DATA : lt_seab TYPE TABLE OF bapifshseasons,
32        ls_seab TYPE bapifshseasons,
33        ls_fsh  TYPE zfsh_extnd.
34
35  DATA(lt_seas) = me->core_object->mt_seasons_db_new .
36
37  DATA: itab(50) TYPE c VALUE '(SAPL1001)CLIENTTEXT[]'.
38  FIELD-SYMBOLS: <itab> TYPE ANY TABLE.
39  ASSIGN (itab) TO <itab>.
40
41  IF <itab> IS ASSIGNED.
42      LOOP AT <itab> ASSIGNING FIELD-SYMBOL(<fs_client>).
43          ASSIGN COMPONENT 'FUNCTION' OF STRUCTURE <fs_client> TO FIELD-SYMBOL(<lv_fun>).
44          ASSIGN COMPONENT 'FIELD1' OF STRUCTURE <fs_client> TO FIELD-SYMBOL(<lv_field1>).
45          IF <lv_fun> = 'SEA'.

```



Z\_MASS\_EXTEND.txt

## Test the Configuration

Use the [steps](#) to test the extension of table “FSH\_SEASONS\_MAT”.

## Extend Retail Mass Processing - Custom table

Use the following steps to extend RMP Solution with an additional table.

## Create Active/Staging Area Tables

The following topics are discussed in the section:

- [Create custom table ZRFWEXT](#)
- [Create table ZRFWEXT\\_STA](#)
- [Create table ZRFWEXT\\_STA\\_H](#)

## Create custom table ZRFWEXT

Use the following steps to create database table ZRFWEXT.

1. Run t-code SE11.
2. Enter the database table name ZRFWEXT and click “Create”.
3. Enter the short description and delivery class.
4. Add the required fields to the table. Provide the Technical setting. Save and activate the table.  
The table is activated successfully.

**Dictionary: Display Table**

Transparent Table: **ZRFWEXT** Active

Short Description: Test RFW Custom table Extensibility

Attributes | Delivery and Maintenance | **Fields** | Input Help/Check | Currency/Quantity Fields | Indexes

Search Built-In Type 3

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	40	0	Material Number
REMARKS	<input type="checkbox"/>	<input type="checkbox"/>		STRING	0	0	Article Remarks

## Create table ZRFWEXT\_STA

Use the following steps to create database table ZRFWEXT\_STA.

1. Run t-code SE11.
2. Enter the database table name ZRFWEXT\_STA and click "Create".
3. Enter the short description and delivery class.
4. Add the required fields to the table.
5. Include structure /UGIRMP/MASS\_INC. Provide the Technical setting. Save and activate the table

The table is activated successfully.

**Dictionary: Display Table**

Transparent Table: **ZRFWEXT\_STA** Active

Short Description: Test RFW Custom table Extensibility

Attributes | Delivery and Maintenance | **Fields** | Input Help/Check | Currency/Quantity Fields | Indexes

Search Built-In Type 6

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	40	0	Material Number
REMARKS	<input type="checkbox"/>	<input type="checkbox"/>		STRING	0	0	Article Remarks
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/UGIRMP/MASS_INC	STRU	0	0	Fields for Mass Staging Tables
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12	0	Change Request
STATUS	<input type="checkbox"/>	<input type="checkbox"/>	ICONNAME	CHAR	30	0	Name of an Icon

## Create table ZRFWEXT\_STA\_H

Use the following steps to create database table ZRFWEXT\_STA\_H.

1. Run t-code SE11.
2. Enter the database table name ZRFWEXT\_STA\_H and click "Create".
3. Enter the short description and delivery class.
4. Add the required fields to the table.
5. Include structure /UGIRMP/MASS\_INC. Provide the Technical setting. Save and activate the table.

The table is activated successfully.

**Dictionary: Display Table**

Transparent Table **ZRFWEXT\_STA\_H** Active

Short Description **Test RFW Custom table Extensibility**

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

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	40		0 Material Number
REMARKS	<input type="checkbox"/>	<input type="checkbox"/>		STRING	0		0 Article Remarks
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/UGIRMP/MASS_INC	STRU	0		0 Fields for Mass Staging Tables
CREQUEST	<input type="checkbox"/>	<input type="checkbox"/>	USMD_CREQUEST	NUMC	12		0 Change Request
STATUS	<input type="checkbox"/>	<input type="checkbox"/>	ICONNAME	CHAR	30		0 Name of an Icon

## Create feeder class ZCL\_RMP\_MASS\_ZRFWEXT

Use the following steps to create class ZCL\_RMP\_MASS\_ZRFWEXT:

1. Run t-code SE24.
2. Enter class ZCL\_RMP\_MASS\_ZRFWEXT. Click "Create".

**Class Builder: Initial Screen**

Object Type **ZCL\_RMP\_MASS\_ZRFWEXT**

Display Change Create

3. In the "Superclass" field, enter /UGIRMP/CL\_RMP\_MASS\_LIST.
4. Enter the description in the given field.
5. Save and activate.

**Class Builder: Display Class ZCL\_RMP\_MASS\_ZRFWEXT**

Class/Interface **ZCL\_RMP\_MASS\_ZRFWEXT** Implemented / Active

Properties Interfaces Friends Attributes Methods Events Types Aliases

Superclass Undo Inheritance Change Inheritance

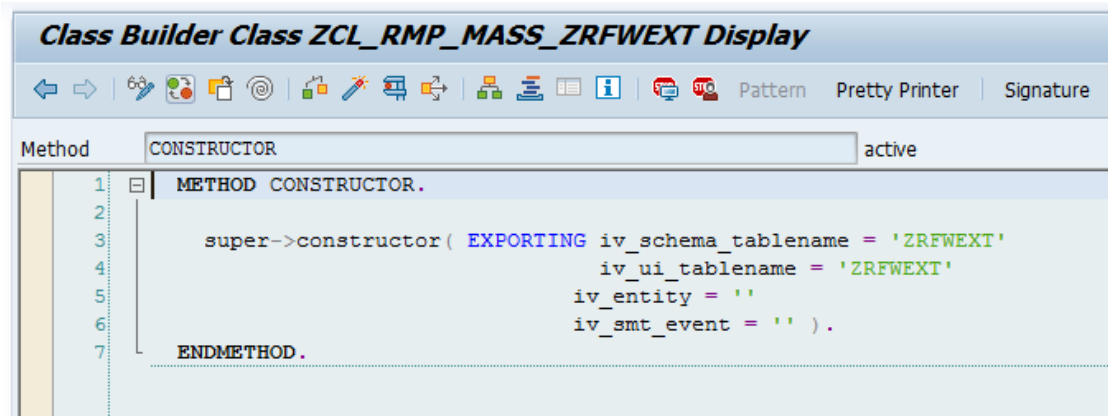
Superclass **/UGIRMP/CL\_RMP\_MASS\_LIST** ☐ Modeled Only

Description **Custom data Mass Feeder**

Instance Generation **2 Public**

☒ Final

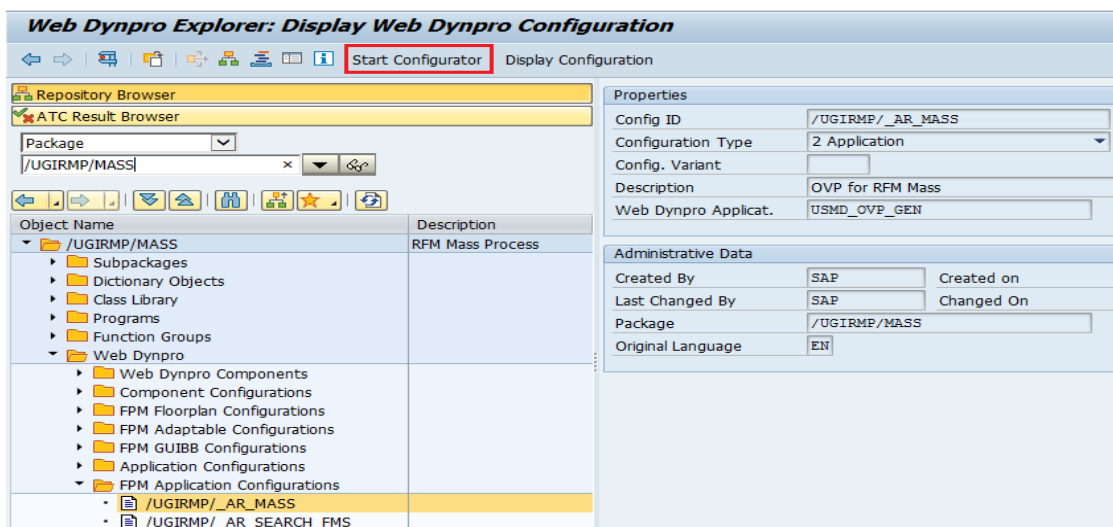
6. Implement the constructor of the class as displayed in the following screen. Save and Activate.



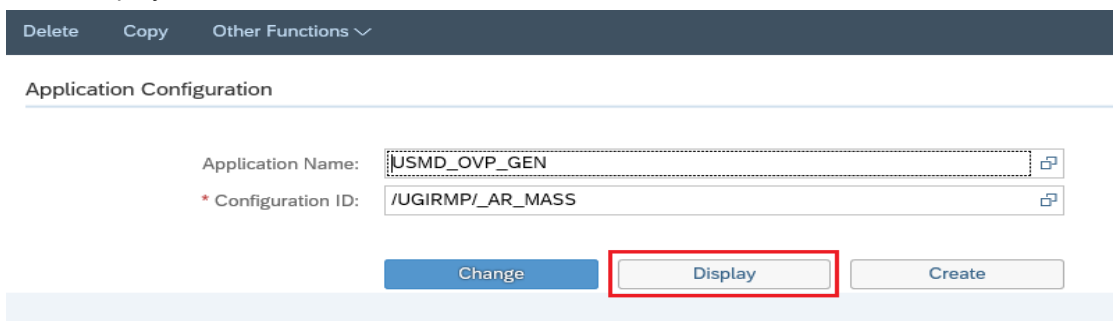
## Create and add UI Config Z\_AR\_ZRFWEXT\_LIST

Use the following steps to add UI Configuration Z\_AR\_ZRFWEXT\_LIST as displayed below.

1. Run t-code SE80.
2. Select Package /UGIRMP/MASS. Navigate to FPM Application Configurations.
3. Select config ID /UGIRMP/\_AR\_MASS and click “Start Configurator” as displayed in the following screen.



4. Click “Display”.



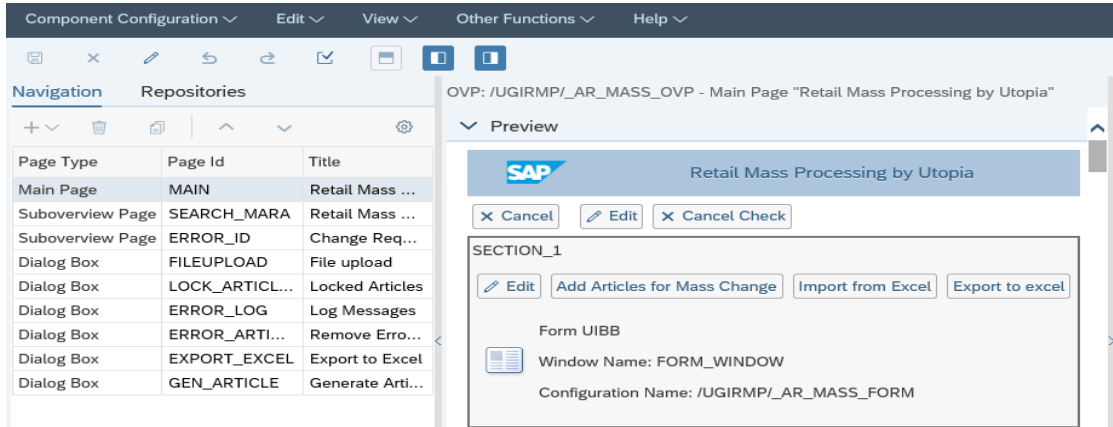
The “Application Configuration” screen is displayed.

Application Configuration: /UGIRMP/\_AR\_MASS

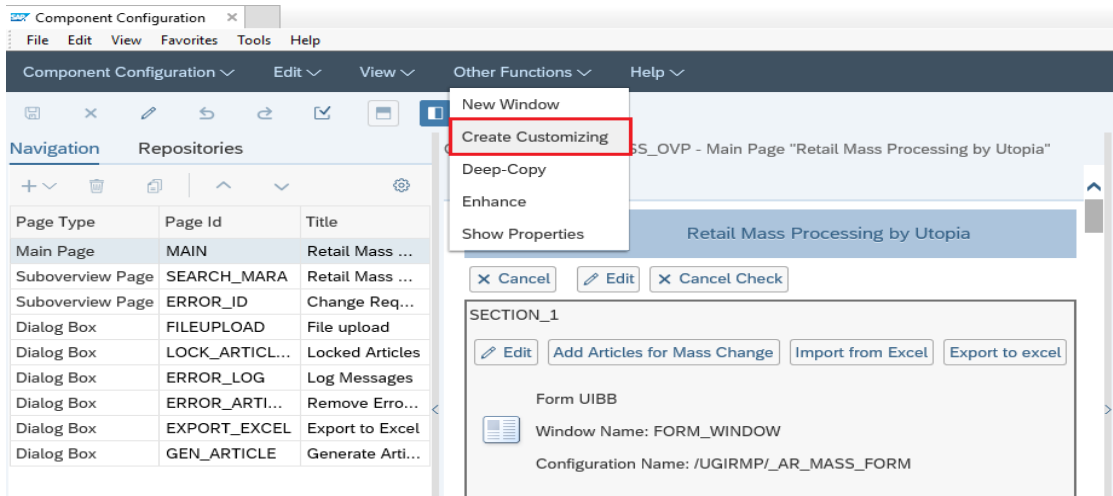
Assign Configuration Name

Component Usage	Component	Implementation	Configuration Name
USMD_OVP_GEN	FPM_ADAPTABLE_OVP	FPM_ADAPTABLE_OVP	/UGIRMP/_AR_MASS_OVP_CBA
OVP	FPM_OVP_COMPONENT	FPM_OVP_COMPONENT	/UGIRMP/_AR_MASS_OVP

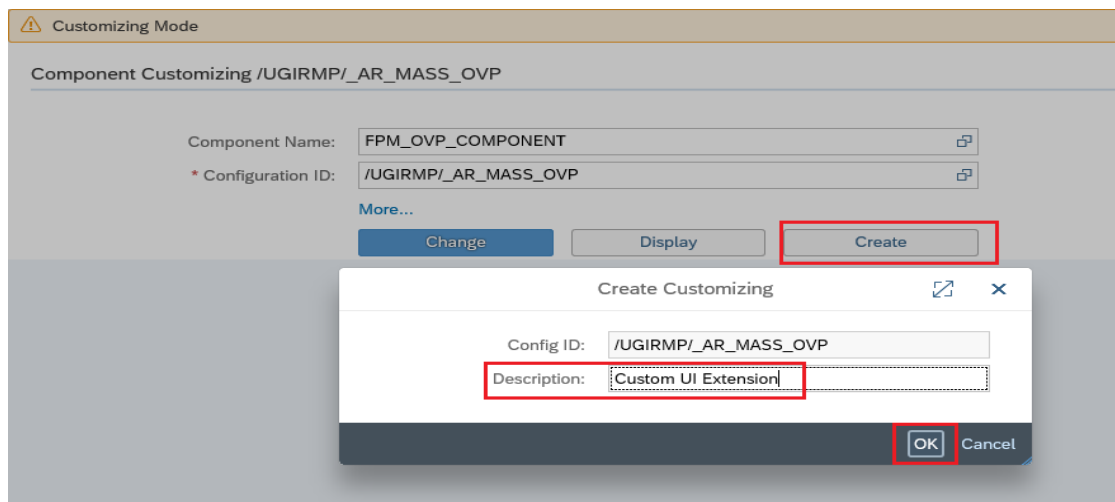
5. Select configuration name /UGIRMP/\_AR\_MASS\_OVP and navigate to the following screen.



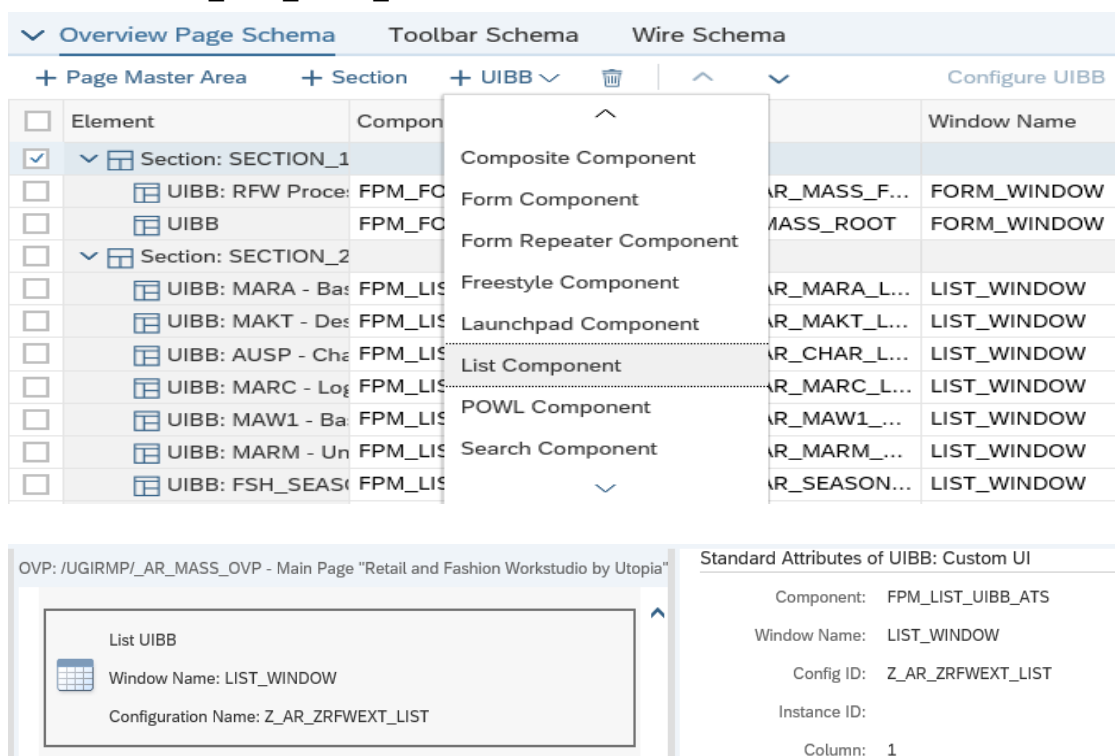
6. In the “Other Functions” drop-down menu, select “Create Customizing”.



7. Click “Create”.
8. Enter a description in the given field and click “OK”.



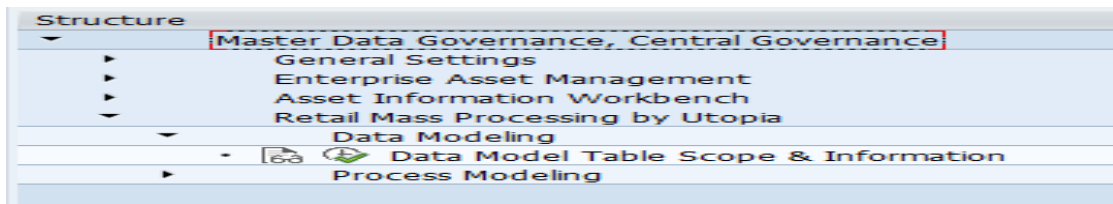
9. Create list component Z\_AR\_ZRFWEXT\_LIST as displayed in the following screen. Enter the feeder class ZCL\_RMP\_MASS\_ZRFWEXT and save.



## Add custom table details to the Data Model Table Scope and Information



Use the following steps to add custom table details to the Data Model Table Scope and Information.

1. Go to MDGIMG.
2. Navigate to Data Model Table Scope and Information as displayed in the screen.



3. Click "Execute". The following screen is displayed.

Change View "Tables Scope & Information": Overview

 BC Set: Change Field Values 

Dialog Structure

- Tables Scope & Informa
- Custom Tables Scope &

Tables Scope & Information			
RMP Active Table	RMP Staging Table	RMP Historical Table	Configuration ID
ARTHIER	/UGIRMP/HEIR	<input type="checkbox"/> /UGIRMP/HEIR_H	/UGIRMP/_AR_HEIRARCHY_LIST
AUSP	/UGIRMP/CHAR	/UGIRMP/CHAR_H	/UGIRMP/_AR_CHAR_LIST
BOM	/UGIRMP/BOM	/UGIRMP/BOM_H	/UGIRMP/_AR_BOM_LIST
EINA	/UGIRMP/EINA	/UGIRMP/EINA_H	/UGIRMP/_AR_EINA_LIST

4. Click "Custom Tables Scope & Information".
5. Enter the tables and UI Configuration details as displayed in the following screen.

Change View "Custom Tables Scope & Information": Overview

New Entries

Dialog Structure

• Tables Scope & Informa

• Custom Tables Scope &

Custom Tables Scope & Information

RMP Active Table	RMP Staging Table	RMP Historical Table	Configuration ID
ZRFWEXT	ZRFWEXT_STA	ZRFWEXT_STA_H	Z_AR_ZRFWEXT_LIST

6. Navigate to MDGIMG->Retail Mass Processing by Prometheus Group ->Process Modelling->Schema Definition.
7. Add the custom table under the schema definition.

Display View "Schema Definition": Overview

Dialog Structure

Schema Definition

Schema Tables

Fields to be modified

Change Request Type

Schema Definition

Mass Processing Schema	Schema Type	Data Model	Entity Type
UGIRMP_CHANGE	2 Change	AR	MARA
UGIRMP_CREATE	1 Create	AR	MARA
UGIRMP_LISTING	2 Change	AR	MARA

8. Select the specific Mass Processing Schema and navigate to "Schema tables".

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

Mass Schema: UGIRMP\_CREATE

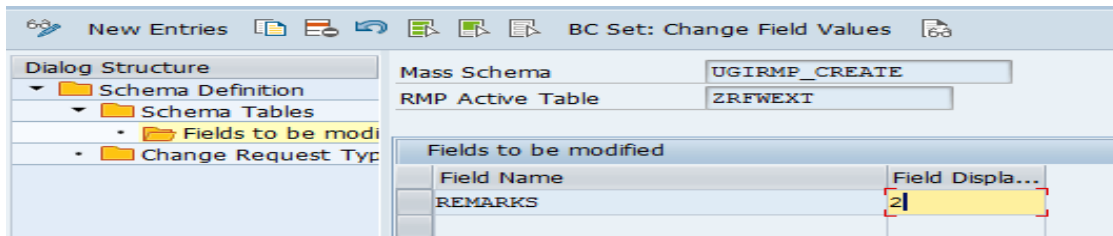
Dialog Structure		Schema Tables	
RMP Active Table	Tab. Order		
ARTHIER	31		
AUSP	19		
BOM	32		

9. Enter the table name and table order.





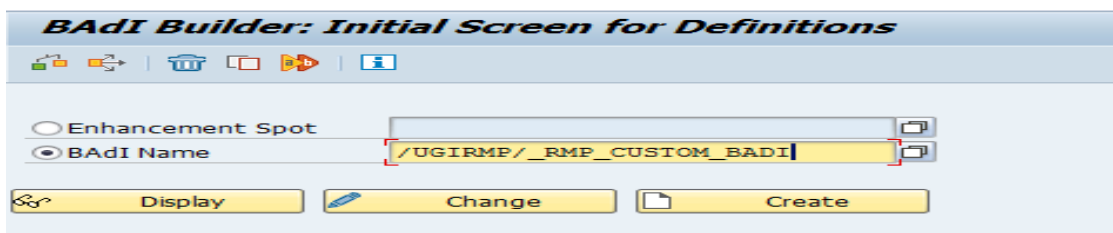
10. Specify the Fields to be modified and save.



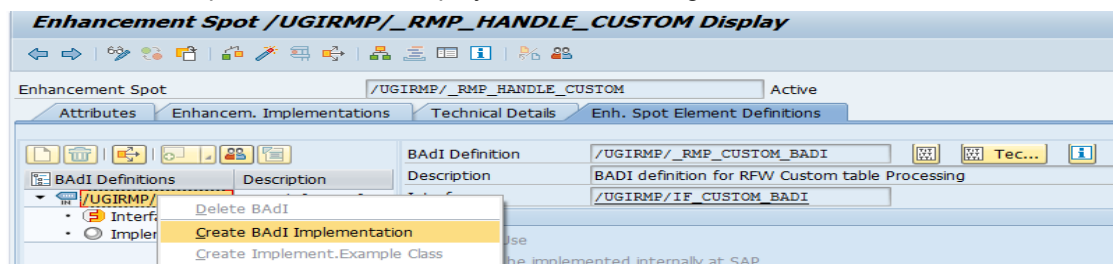
## Implement BAdI /UGIRMP/\_RMP\_CUSTOM\_BADI

Use the following steps to implement BAdI /UGIRMP/\_RMP\_CUSTOM\_BADI.

1. Run t-code SE18.
2. Select BADI "/UGIRMP/\_RMP\_CUSTOM\_BADI".

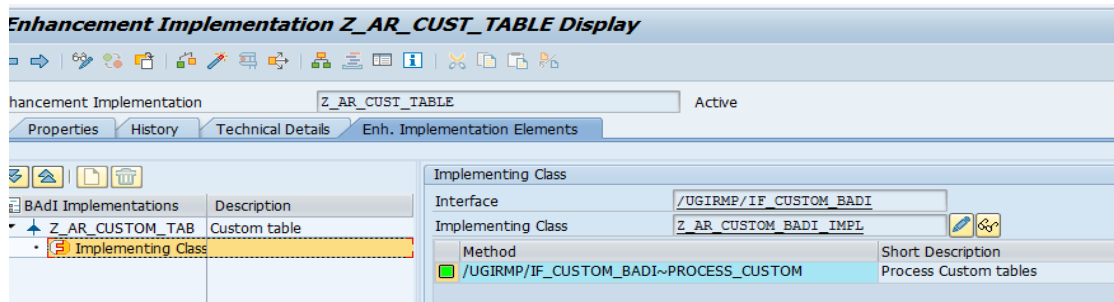


3. Create a BAdI Implementation as displayed in the following screen.

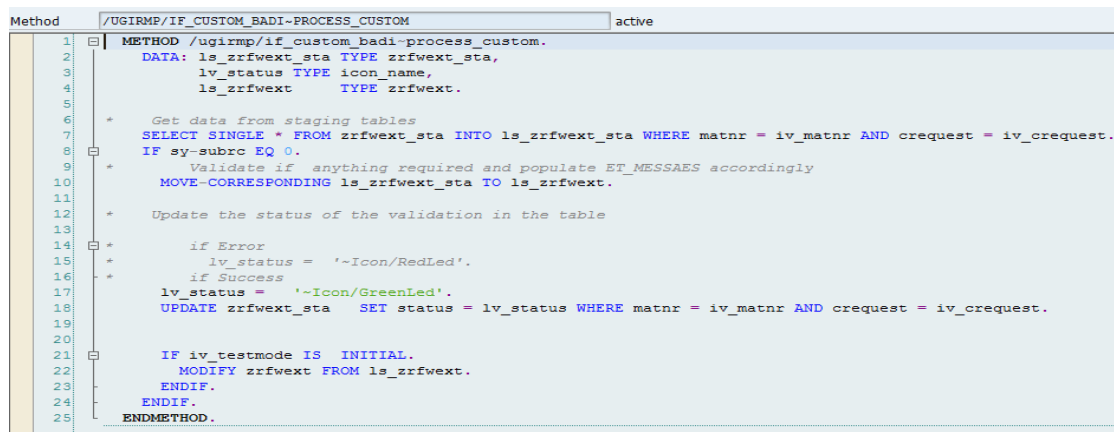


4. Enter a name for the "Enhancement Implementation".
5. Enter "Short Text" in the given field and click Save.
6. Enter a name for BAdI Implementation and Implementing Class.
7. Enter the "Description" in the given field.
8. Double-Click on the "Implementing Class".
9. Navigate to the class and implement the methods.
10. Save and activate.





11. Navigate to the method “/UGIRMP/IF\_CUSTOM\_BADI~PROCESS\_CUSTOM” and use the following sample code.



12. Save and Activate.

## Extend Search UI – Custom table

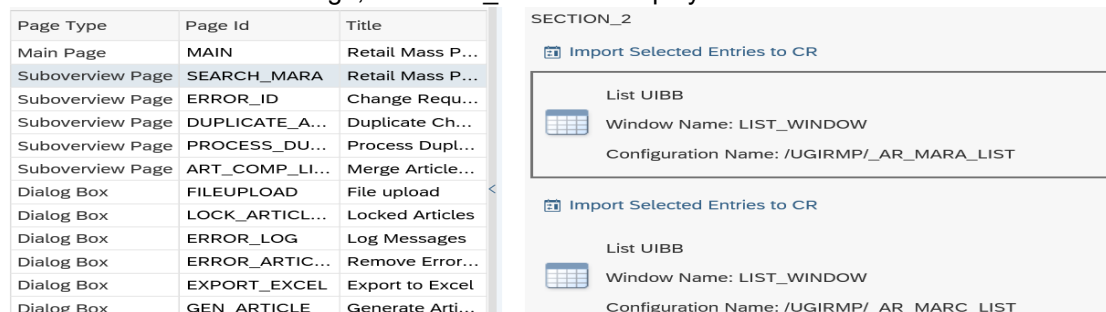
Use the following steps to add the custom table configuration to the Search UI.

### Add UI Config Z\_AR\_ZRFWEXT\_LIST to the Search UI

Use the following steps to add the UI Configuration Z\_AR\_ZRFWEXT\_LIST to the Search UI .

1. Create list component Z\_AR\_ZRFWEXT\_LIST : [Refer Create and Add UI Config.](#)

Select the Suboverview Page, SEARCH\_MARA as displayed below.



2. Add the list component Z\_AR\_ZRFWEXT\_LIST to the search screen as displayed in the following screen.

List UIBB

Window Name: LIST\_WINDOW

Configuration Name: Z\_AR\_ZRFWEXT\_LIST

Component: FPM\_LIST\_UIBB\_ATS

Window Name: LIST\_WINDOW

Config ID: Z\_AR\_ZRFWEXT\_LIST

Instance ID:

Column: 1

3. Add the toolbar button 'Import Selected Entries to CR' with FPM Event ID 'IMPORT\_SEL\_ARTICLES' as displayed in the following screen.

List UIBB

Window Name: LIST\_WINDOW

Configuration Name: Z\_AR\_ZRFWEXT\_LIST

Component: FPM\_LIST\_UIBB\_ATS

Window Name: LIST\_WINDOW

Config ID: Z\_AR\_ZRFWEXT\_LIST

Instance ID:

Column: 1

 Import Selected Entries to CR

## Enhance Structure /UGIRMP/MASS\_TABS

Use the following steps to Enhance structure /UGIRMP/MASS\_TABS with the new table ZRFWEXT by using append structure functionality.

1. Run t-code SE11 > Open the structure /UGIRMP/MASS\_TABS.
2. Click "Append Structure" to append the new table ZRFWEXT to structure /UGIRMP/MASS\_TABS.

Dictionary: Display Structure

→ 🔍 🔄 📄 📊 📈 📉 📌 📋 📁 📂 📅 📆 📇 📈 📉 📊 📋 📁 📂 📅 📆 📇

Hierarchy Display **Append Structure...**

Structure: /UGIRMP/MASS\_TABS Active

Short Description: RFW Table structure

Attributes Components Input Help/Check Currency/quantity fields

Component	Typing Method	Component Type	Data Type	Length
ARTHIER	Types	/UGIRMP/HIER TT	III	
AUSP	Types	/UGIRMP/CHAR TT	III	

3. Enter a name to the Append Structure.

Dictionary: Display Structure

→ 🔍 🔄 📄 📊 📈 📉 📌 📋 📁 📂 📅 📆 📇

Hierarchy Display Append Structure...

Structure: /UGIRMP/MASS\_TABS Active

Short Description: RFW Table structure

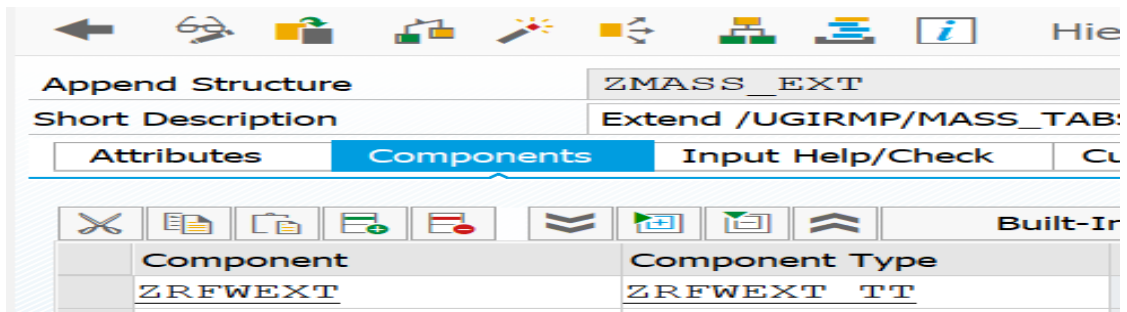
Attributes Components Input Help/Check Currency/quantity fields

Create Append Structure for /UGIRMP/MASS\_TABS

Append Name: ZMASS\_EXT

✓ ✗

4. Add the new table ZRFWEXT to the structure /UGIRMP/MASS\_TABS.  
Save and activate.

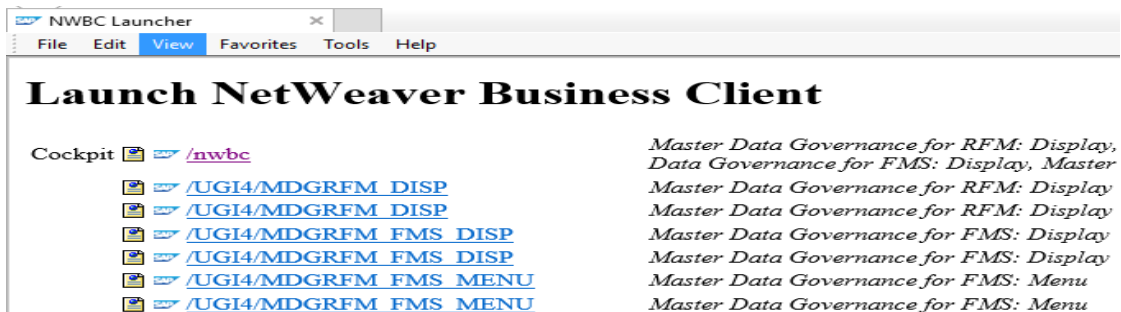


## Test the Configuration

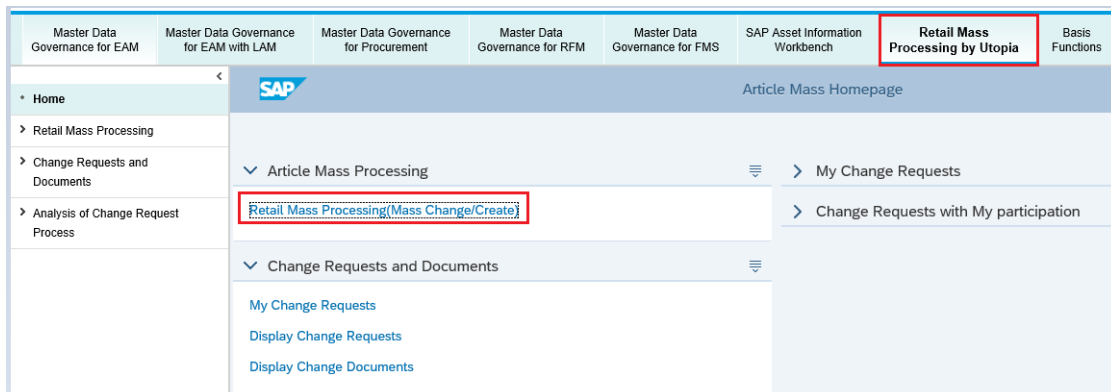
Use the following steps to test the new custom table extension in Mass Create Schema.

### Create Article

1. Launch NWBC.



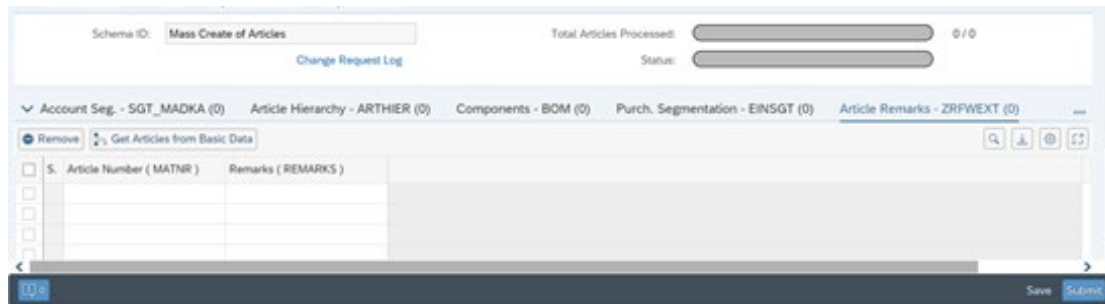
2. Select "Retail Mass Processing by Prometheus Group".



3. Click on the Link "Retail Mass Processing (Mass Change/Create)"
4. Select the Schema as "Mass Create of Articles"



5. The new custom table tab appears as displayed in the following screen.



For detailed testing scenarios, refer the User guide/Test cases.