

How-To Guide: Extensibility of Master Data Consolidation and Mass Processing for EAM

Applies to

EAM Solutions by Prometheus Group.

Summary

SAP MDG, consolidation and mass processing help in consolidating the master data by creating/updating multiple master data records at a time based on the evaluation results of several checks hence eliminating data redundancy and ensuring completeness of data.

The process steps are workflow driven and the behavior of each individual process step type can be adapted to your requirements.

Current solution aims at extending the Master data consolidation solution to the EAM objects i.e. Functional Locations, MBOM and Equipment.

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Introduction

SAP MDG, consolidation and mass processing enable you to consolidate your master data and run mass processes to update multiple master data records at a time. This is driven by a sequence of steps each adapted to some specific requirements. This helps in data filtering and enrichment thereby reducing the redundancy and duplicates.

This document provides the information you require to extend and incorporate the new fields in the Master Data Consolidation and Mass Processing solution for EAM. You would be able to load the data to these newly added fields in customer namespace by using the excel file. The data can be loaded to MDG Change Request if the Change Request option is selected for the activation step.


The consolidation process such as the Matching or Best Record Calculation should be able to process these new fields. After consolidation, the values of the newly defined fields are stored in the backend database tables.

It contains information about Customizing as well as the information about additional activities that you need to execute.

Note

Business object 237 (Material BOM) has been used as an example to illustrate the extensibility. The principle and steps remain the same for other objects as well.

Add a New Field to the Material BOM screen

1. Run transaction code (t-code) SE11.
2. Click on “GOTO” button on the menu bar and click on the “Append Structure” option.
3. Enter the name of the Append structure as “ZSTKO” and provide the description.
4. Under the “Components” tab, add the new fields in the customer namespace. Add the following fields. The following screen shows the newly added fields ZZLAND1 and ZZVENDOR. Choose the required component types. For example, ZZLAND1 has the component type as LAND1 and ZZVENDOR has the component type LIFNR. The data type, length and decimal fields are derived based on the data element used.
5. Navigate to the “Extras” tab on the menu bar and choose “Enhancement Category” as “Can be enhanced (character -like or numeric)”.
6. Click on “Check” button. You can ignore the warnings, if any.
7. Click on “Activate ()” button.

Dictionary: Display Structure

Structure: STKOB Active

Short Description: BOM Header Document Table

Attributes Components Input Help/Check Currency/quantity fields

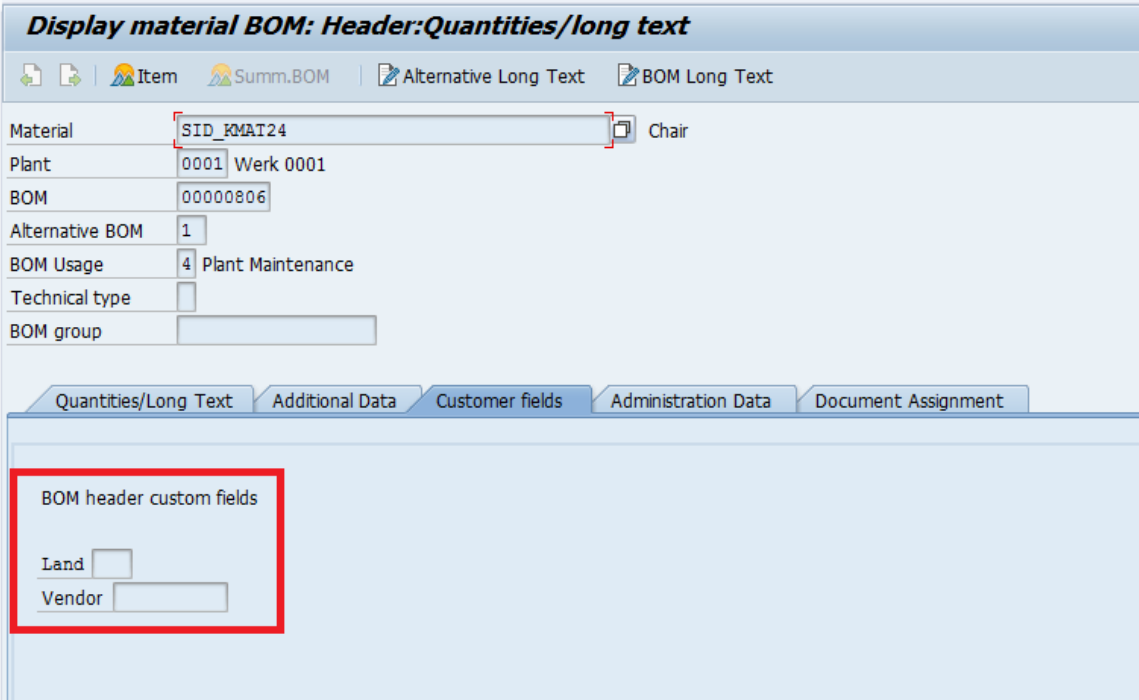
Built-In Type 52

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description	Group
VERSNT	1 Types	CS_VERSNT	CHAR	2	0	BOM Version Status	
VERSNLASTIND	1 Types	CS_VERSNLASTIND	CHAR	1	0	Indicator: Latest BOM Version	
LASTCHANGEDATEI...	1 Types	TIMESTAMPL	DEC	21	7	UTC Time Stamp in Long Form (YYYYMMDDhhmmssmmuuu)	
.INCLUDE	1 Types	CI_STKO		0	0		
.INCLUDE	1 Types	STKO_INCL_EEW_PS		0	0	Persistent Structure for Maintain BOM Header	EXT
DUMMY_STKO_INCL...	1 Types	STKO_INCL_EEW	CHAR	1	0	Data Element for Extensibility of Maintain BOM Header	
.APPEND	1 Types	ZSTKO		0	0	Append structure for BOM	
ZZLAND1	1 Types	LAND1	CHAR	3	0	Country Key	
ZZVENDOR	1 Types	LIFNR	CHAR	10	0	Account Number of Vendor or Creditor	

8. Enhance the Material BOM screens to add the newly added fields in the sub screen and write the corresponding logic in the functional exits provided.

This is an optional step.

The following screen shows the newly added fields in the sub-screen “Customer Fields” of the Material BOM header.



Display material BOM: Header:Quantities/long text

Material: SID_KMAT24 Chair

Plant: 0001 Werk 0001

BOM: 00000806

Alternative BOM: 1

BOM Usage: 4 Plant Maintenance

Technical type:

BOM group:

Quantities/Long Text | Additional Data | **Customer fields** | Administration Data | Document Assignment

BOM header custom fields

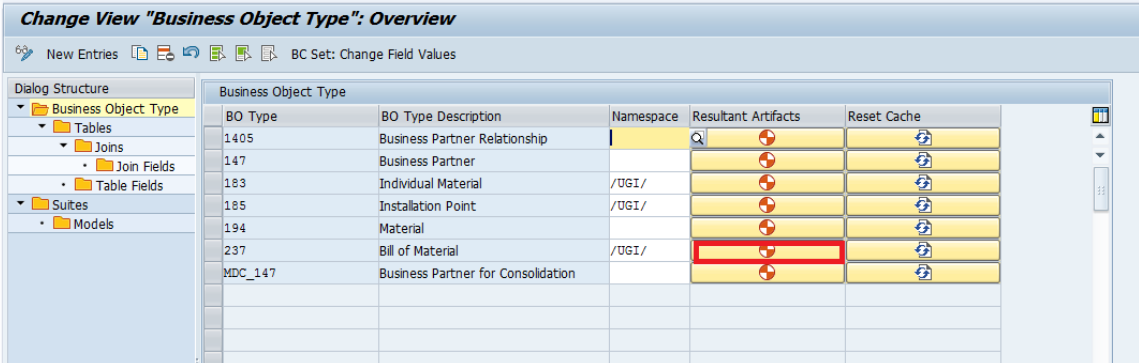
Land:

Vendor:

Extend the Process Model

Use the following steps to extend the process model:

1. Run t-code MDCIMG.
2. Select the BO Type as “237” and click on the corresponding “Resultant Artifacts” column as displayed in the following screen.

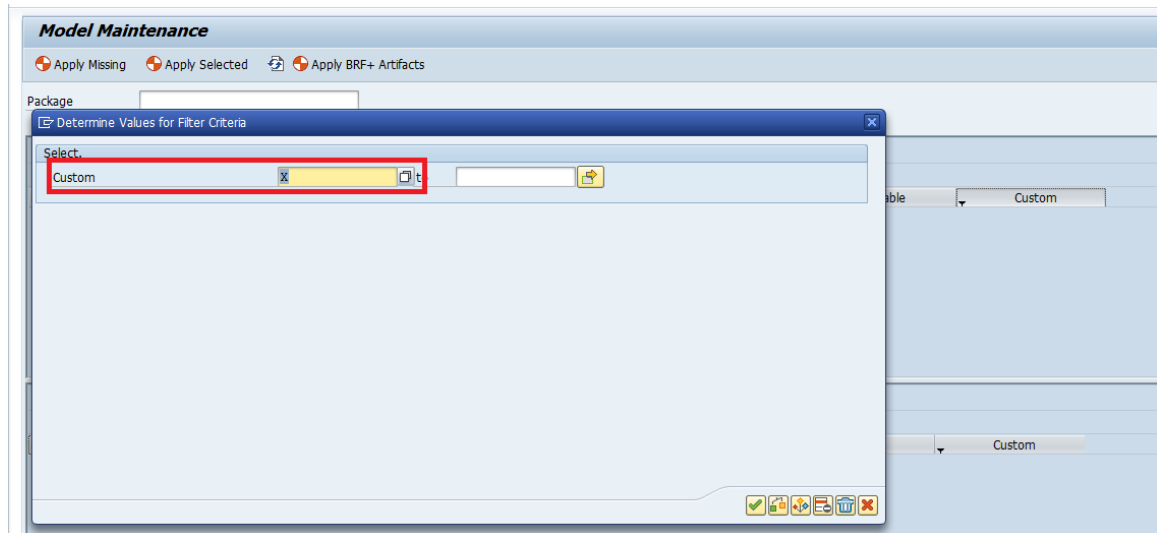


Change View "Business Object Type": Overview

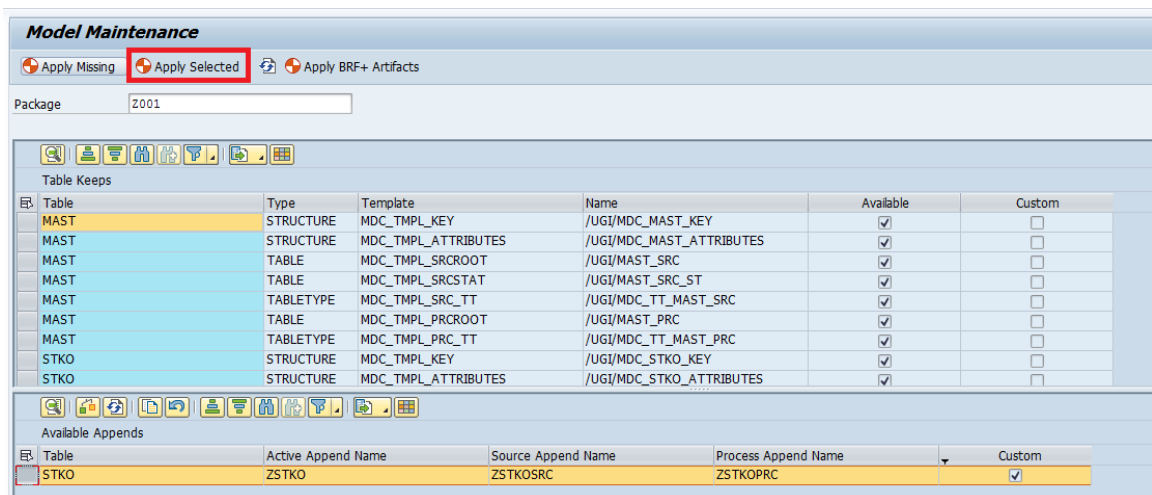
New Entries | BC Set: Change Field Values

BO Type	BO Type Description	Namespace	Resultant Artifacts	Reset Cache
1405	Business Partner Relationship			
147	Business Partner			
183	Individual Material	/UGI/		
185	Installation Point	/UGI/		
194	Material			
237	Bill of Material	/UGI/		
MDC_147	Business Partner for Consolidation			

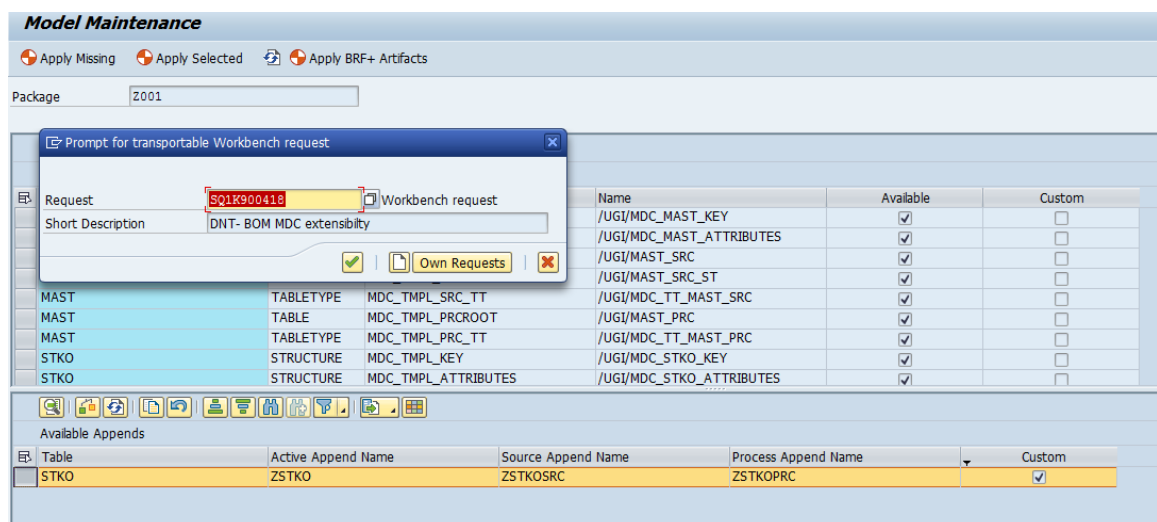
3. In case there is any filter on the “Custom” field , remove the same.



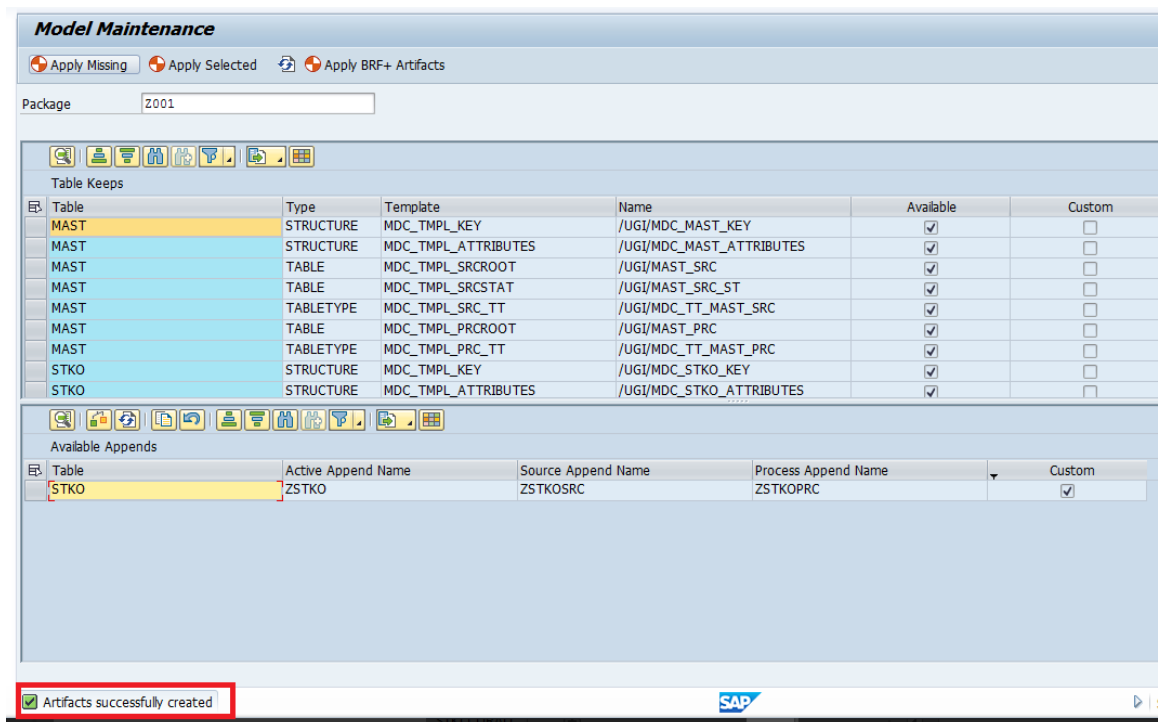
4. Enter the package name in customer namespace.
5. Choose the Active Append Name from the Available Appends and click on the button “Apply Selected” as displayed in the following screen.



6. Enter the transport request to proceed with saving the structures to be generated. Click on “OK” button.



The success message appears as “Artifacts successfully created” as displayed in the following screen.



- Verify that the newly added fields are reflected in the MDC specific structures and tables corresponding to STKO table.

The following screen shows the process records table “/UGI/STKO_PRC” table with the newly added fields.

Dictionary: Display Table

Transparent Table: **/UGI/STKO_PRC** Active

Short Description: Process Records Of OTC 237, Table STKO

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

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description	Group
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	STKO_INCL_EEW_PS	STRU	0	0	Persistent Structure for Maintain BOM Header	EXT
DUMMY_STKO_INCL...	<input type="checkbox"/>	<input type="checkbox"/>	STKO_INCL_EEW	CHAR	1	0	Data Element for Extensibility of Maintain BOM Header	
SOURCE_RECENCY	<input type="checkbox"/>	<input type="checkbox"/>	MDC_RECENCY	DEC	15	0	Master Data Consolidation: Recency	
SOURCE_MODIFIED	<input type="checkbox"/>	<input type="checkbox"/>	MDC_SOURCE_MODI	CHAR	1	0	Indicator: Source Record modified	
SOURCE_MODIFICA...	<input type="checkbox"/>	<input type="checkbox"/>	MDC_MODIFICATIO...	RAW	64	0	Modification Indicator referring to a field's position	
SOURCE_INDEX	<input type="checkbox"/>	<input type="checkbox"/>	MDC_SOURCE_INDEX	INT4	10	0	Index of record	
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZSTKOPRC	STRU	0	0	Append structure for BOM	
ZZLAND1	<input type="checkbox"/>	<input type="checkbox"/>	LAND1	CHAR	3	0	Country Key	
ZZVENDOR	<input type="checkbox"/>	<input type="checkbox"/>	LIFNR	CHAR	10	0	Account Number of Vendor or Creditor	

The following screen displayed the source record table “/UGI/STKO_SRC” table with the newly added fields.

Dictionary: Display Table

Transparent Table ☐ UGI/STKO_SRC ☐ Active

Short Description Source Records Of OTC 237, Table STKO

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

45

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description	Group
VERSNLASTIND	<input type="checkbox"/>	<input type="checkbox"/>	CS_VERSNLASTIND	CHAR	1		0 Indicator: Latest BOM Version	
LASTCHANGEDATEI...	<input type="checkbox"/>	<input type="checkbox"/>	TIMESTAMPL	DEC	21		7 UTC Time Stamp in Long Form (YYYYMMDDhhmmssmmuuun)	
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	CI_STKO	STRU	0			
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	STKO_INCL_EEW_PS	STRU	0		0 Persistent Structure for Maintain BOM Header	EXT
DUMMY_STKO_INCL...	<input type="checkbox"/>	<input type="checkbox"/>	STKO_INCL_EEW	CHAR	1		0 Data Element for Extensibility of Maintain BOM Header	
SOURCE_RECENCY	<input type="checkbox"/>	<input type="checkbox"/>	MDC_RECENCY	DEC	15		0 Master Data Consolidation: Recency	
.APPEND	<input type="checkbox"/>	<input type="checkbox"/>	ZSTKOSRC	STRU	0		0 Append structure for BOM	
ZZLAND1	<input type="checkbox"/>	<input type="checkbox"/>	LAND1	CHAR	3		0 Country Key	
ZZVENDOR	<input type="checkbox"/>	<input type="checkbox"/>	LIFNR	CHAR	10		0 Account Number of Vendor or Creditor	

Extend MDG Change Request With new Fields

To incorporate the newly added fields in the MDG Change Request, the following steps are to be followed:

- [Extend the Data Model](#)
- [Extend SMT Mapping](#)
- [UI Extensibility](#)

Extend the Data Model

Use the following steps to add attributes to existing Entity Type.

1. Log into system for cross client maintenance.
2. Start Customizing for Master Data Governance (transaction MDGIMG). Navigate through the path: General Settings > Configuration Workbench
3. Select Data Model U1 and click on “Edit” button.
4. Choose the BOM header entity” PMBOMHDR”.
5. Navigate to the “Attributes” tab. Add the field ZZLAND1 with the data element LAND1 and field ZZVENDOR with data element LIFNR.

Data Model: U1,Utopia EAM Solution for MDG

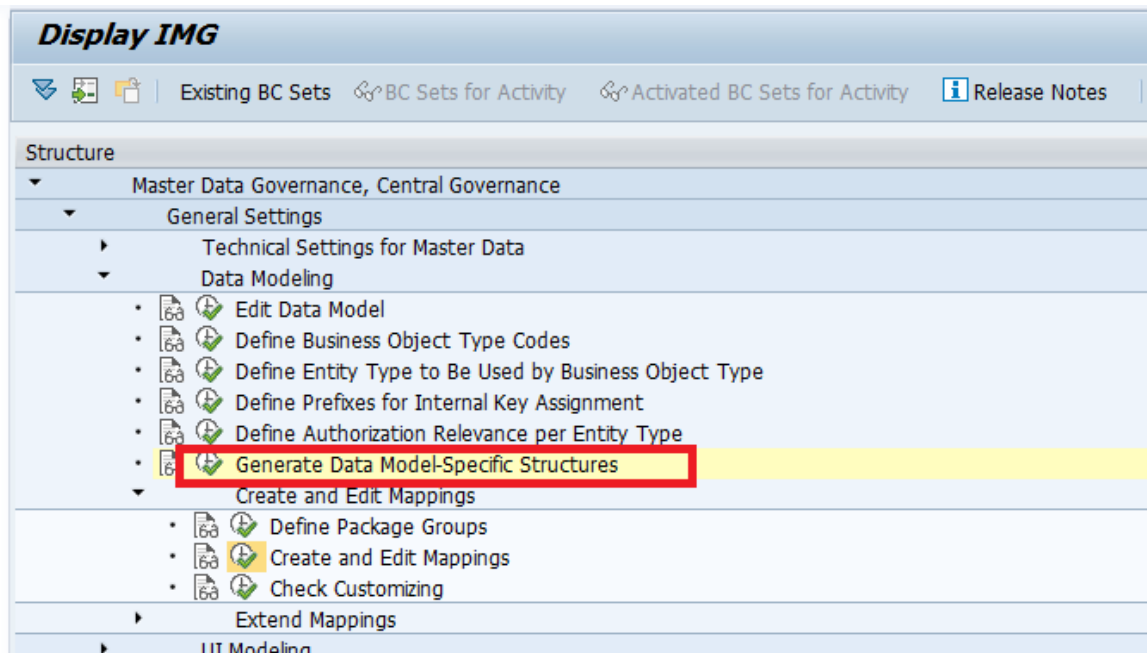
Save and Back Save Back Cancel Edit New Check Activate Active Area Adjust Change Requests

Entity Type SU Type

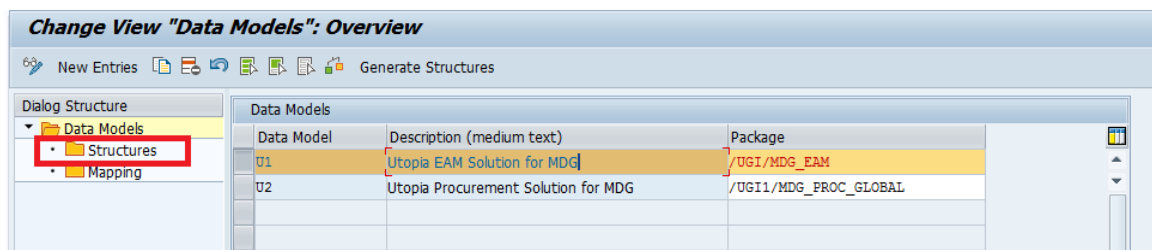
Entity Type	SU Type	Attribute	Key Field	Descr...	Data El...	Currency/...	Required...	No Existe...	Search...	Structur...	Field	Generat...	Standar...	Status
PARTNRFUN	3	LABOFC	<input type="checkbox"/>	Lab Office	LABOR		<input type="checkbox"/>	<input type="checkbox"/>	H_T024L			<input type="checkbox"/>		
PERMIT	3	LNGTXT	<input type="checkbox"/>	BOM Long	/UGI/U1_BO		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PERMITFL	4	SZDIM	<input type="checkbox"/>	Size Dimen	GROES		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PLNAW	3	STKTX	<input type="checkbox"/>	Alternate Tr	STKTX		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PLN_PLANT	3	STLTY_BOM	<input type="checkbox"/>		STLTY		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PMBOMHDR	1	STNUM	<input type="checkbox"/>	Bill of Mater	STNUM		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PMETHODE	3	VALIDFROM	<input type="checkbox"/>	Valid From	DATUV		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
POBOX_REG	3	VALIDTODA	<input type="checkbox"/>	Valid To Da	DATUB		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PROID	3	ZZLAND1	<input type="checkbox"/>		LAND1		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PRVBE	3	ZZVENDOR	<input type="checkbox"/>		LIFNR		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
PRZNR	3													
PURCHGROU	3													

6. Click on “Check” button.
7. Click on “Activate” button.

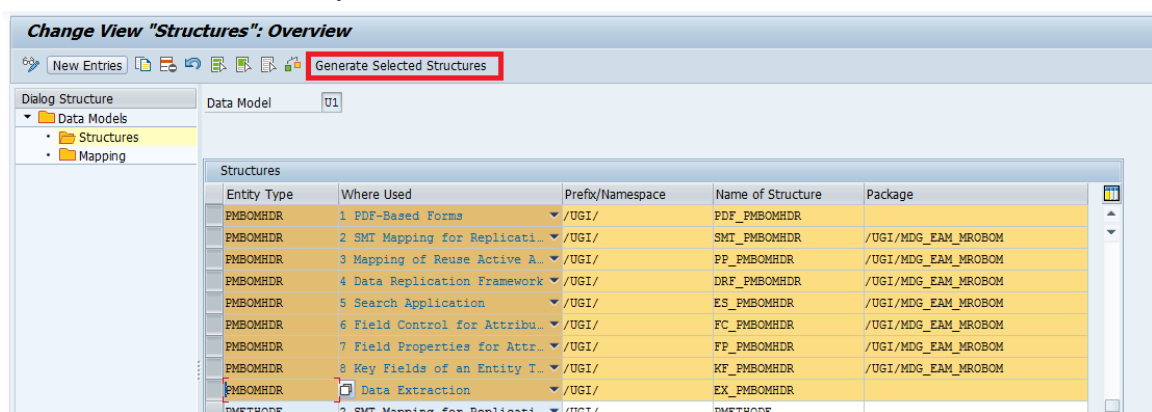
8. Click “Adjust Change Request” button to adjust the existing Change Requests.
9. Navigate through the path: Master Data Governance, Central Governance > General Settings > Data Modeling > Generate Data Model-Specific Structures.



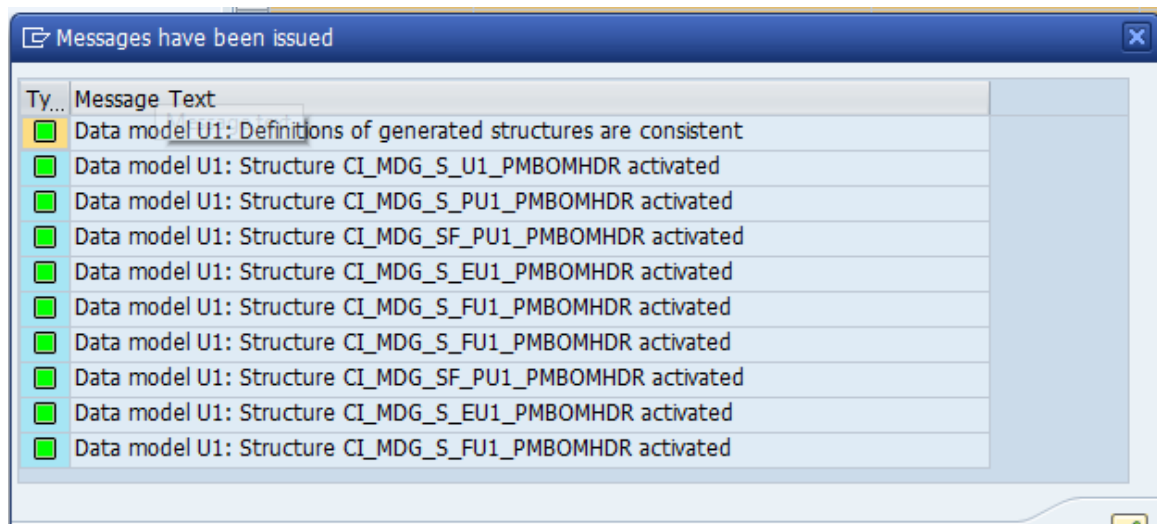
10. Select the data model as “U1” and click on “Structures”.



11. Select the BOM header entity “PMBOMHDR” and click on the “Generated Structures”.



You can verify that the following structures are activated successfully.



The following screen shows that the new fields are now available in the staging tables to proceed with the SMT mapping.

Dictionary: Display Structure

Structure: /UGI/_S_U1_PP_PMBOMHDR Active

Short Description: Source Structure for PP Mapping

Attributes Components Input Help/Check Currency/quantity fields

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
VALIDTODA	1 Types	DATUB	DATS	8		0 Valid-to date
.INCLUDE	1 Types	CI_MDG_S_PU1_PM...		0		0 Customizing Include for Active Area Mapping
ZZLAND1	1 Types	LAND1	CHAR	3		0 Country Key
ZZVENDOR	1 Types	LIFNR	CHAR	10		0 Account Number of Vendor or Creditor

Extend SMT Mapping

You can use the following steps to map the attributes from staging to active area and vice versa.

1. Navigate through the path: Master Data Governance, Central Governance > General Settings > Data Modeling > Generate Data Model-Specific Structures.
2. Select the data model as "U1" and click on "Mapping". Choose the entity as "PMBOMHDR". The following screen shows the SMT Mapping values maintained for /from active area.

Change View "Mapping": Overview

New Entries

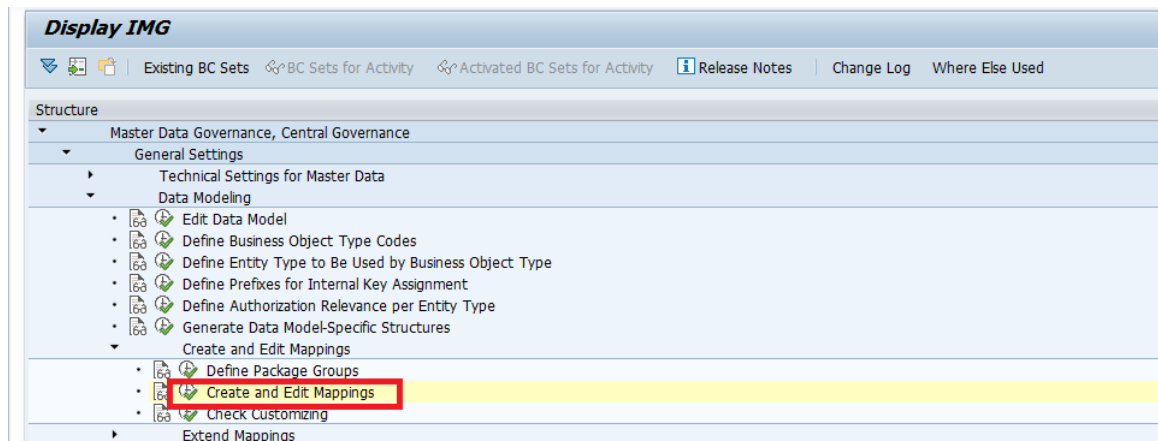
Dialog Structure

- Data Models
 - Structures
 - Mapping

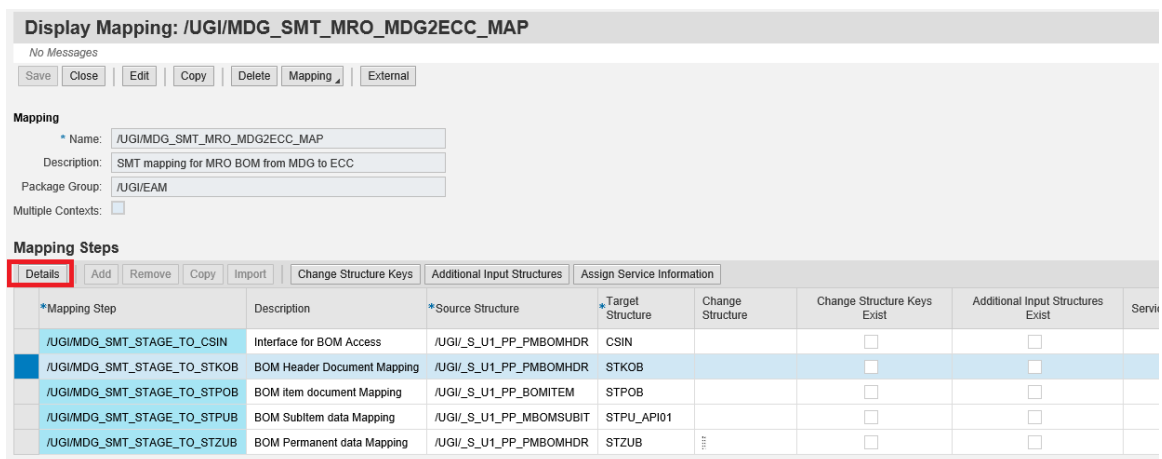
Data Model: U1

Entity Type	Where Used	SMT Mapping from Active Area	SMT Mapping to Active Area
PMBOMHDR	3 Mapping of Reuse Active A...	/UGI/MDG_SMT_MRO_ECC2MDG_MAP	/UGI/MDG_SMT_MRO_MDG2ECC_MAP

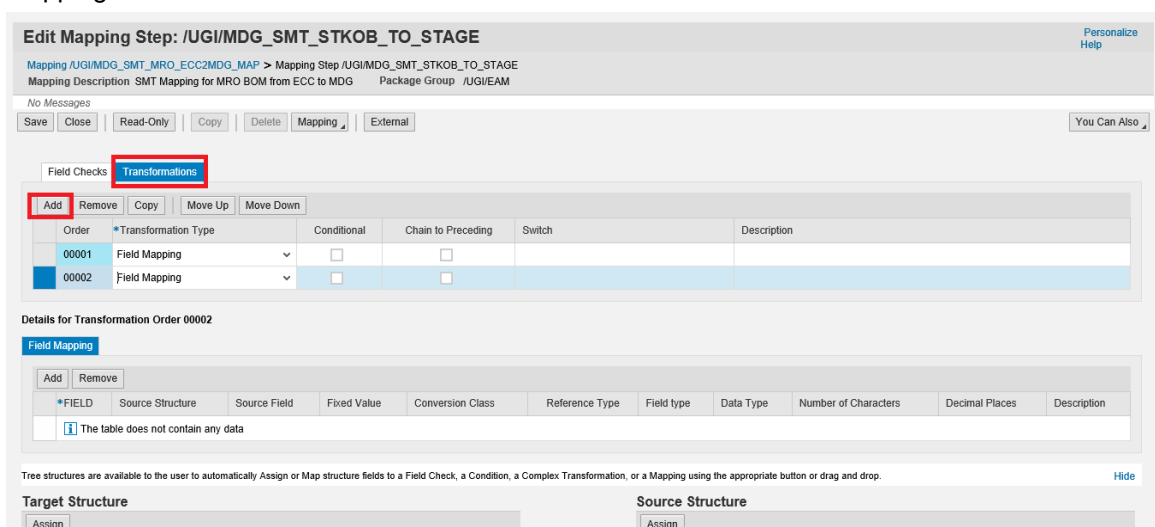
3. Navigate through the path: Master Data Governance, Central Governance > General Settings > Data Modeling > Create and Edit Mappings > Create and Edit Mappings.
A new window opens in browser.



4. Choose the mapping as “/UGI/MDG_SMT_MRO_MDG2ECC_MAP” on the UI.
5. Choose the mapping step as “/UGI/MDG_SMT_STAGE_TO_STKOB” and click on the “Details” button as displayed in the following screen.



6. Under the “Transformations” tab, click on the “Add” button to add a new step of type “Field Mapping”.



7. Choose the new field “ZZLAND1” from both the target and source structures and click on “Map” button to map the fields. Repeat the same for the field “ZZVENDOR”.

Target Structure

Assign

Name: /UGI/_S_U1_PP_PMBOM

Target Structure

Sort: Original Field Order

Name	Is Used
PMBOMTECH	<input type="checkbox"/>
SIZDIM	<input type="checkbox"/>
STKTX	<input checked="" type="checkbox"/>
STLTY_BOM	<input type="checkbox"/>
STNUM	<input checked="" type="checkbox"/>
TXMI	<input type="checkbox"/>
VALIDFROM	<input checked="" type="checkbox"/>
VALIDTODA	<input type="checkbox"/>
ZZLAND1	<input checked="" type="checkbox"/>
ZZVENDOR	<input type="checkbox"/>

Source Structure

Assign

Name: STKOE

Source Structure

Sort: Original Field Order

Name	Is Used
VERSNST	<input type="checkbox"/>
VERSNLASTIND	<input type="checkbox"/>
LASTCHANGEDATETIME	<input type="checkbox"/>
DUMMY_STKO_INCL_EEW_PS	<input type="checkbox"/>
ZZLAND1	<input checked="" type="checkbox"/>
ZZVENDOR	<input type="checkbox"/>
LTXPS	<input type="checkbox"/>
LTXVB	<input type="checkbox"/>
VBKZ	<input type="checkbox"/>
MVBKZ	<input type="checkbox"/>

Map

8. Choose the mapping as “/UGI/MDG_SMT_MRO_ECC2MDG_MAP” on the UI.
9. Choose the mapping step as “/UGI/MDG_SMT_STAGE_TO_STKOB” and click on the “Details” button as displayed in the following screen.

Display Mapping: /UGI/MDG_SMT_MRO_ECC2MDG_MAP

No Messages

Save Close Edit Copy Delete Mapping External

Mapping

* Name: /UGI/MDG_SMT_MRO_ECC2MDG_MAP

Description: SMT Mapping for MRO BOM from ECC to MDG

Package Group: /UGI/EAM

Multiple Contexts: ☐

Mapping Steps

Details Add Remove Copy Import Change Structure Keys Additional Input Structures Assign Service Information

* Mapping Step	Description	* Source Structure	* Target Structure	Change Structure	Change Structure Keys Exist	Additional Input Structures Exist	Service Info
/UGI/MDG_SMT_CSIN_TO_STAGE	Mapping for Interface Data	CSIN	/UGI/_S_U1_PP_PMBOMHDR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
/UGI/MDG_SMT_CSIN_TO_STAGE_ITM	Mapping for Interface Data to Item	CSIN	/UGI/_S_U1_PP_BOMITEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
/UGI/MDG_SMT_STKOB_TO_STAGE	BOM Header data Mapping	STKOB	/UGI/_S_U1_PP_PMBOMHDR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
/UGI/MDG_SMT_STPOB_TO_STAGE	BOM Item Data	STPOB	/UGI/_S_U1_PP_BOMITEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
/UGI/MDG_SMT_STPUB_TO_STAGE	BOM Subitem data Mapping	STPU_API01	/UGI/_S_U1_PP_MBOMSUBIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

10. Under the “Transformations” tab, click on the “Add” button to add a new step of type “Field Mapping”.

Edit Mapping Step: /UGI/MDG_SMT_STAGE_TO_STKOB

Mapping /UGI/MDG_SMT_MRO_MDG2ECC_MAP > Mapping Step /UGI/MDG_SMT_STAGE_TO_STKOB

Mapping Description: SMT mapping for MRO BOM from MDG to ECC Package Group: /UGI/EAM

No Messages

Save Close Read-Only Copy Delete Mapping External

Field Checks **Transformations**

Add Remove Copy Move Up Move Down

Order	* Transformation Type	Conditional	Chain to Preceding	Switch	Description
00001	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>		
00002	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>		

Details for Transformation Order 00002

Field Mapping

Add Remove

* FIELD	Source Structure	Source Field	Fixed Value	Conversion Class	Reference Type	Field type	Data Type	Number of Characters	Decimal Places
The table does not contain any data									

Tree structures are available to the user to automatically Assign or Map structure fields to a Field Check, a Condition, a Complex Transformation, or a Mapping using the appropriate button or drag and drop.

Target Structure

Assign

Name: STKOB

Source Structure

Assign

Name: /UGI/_S_U1_PP_PMBOM

- Choose the new field “ZZLAND1” from both the target and source structures and click on “Map” button to map the fields. Repeat the same for the field “ZZVENDOR”.

Target Structure

Assign

Name: STKOB

Target Structure

Sort: Original Field Order

Name	Is Used
LASTCHANGEDATETIME	<input type="checkbox"/>
DUMMY_STKO_INCL_EEW_PS	<input type="checkbox"/>
ZZLAND1	<input type="checkbox"/>
ZZVENDOR	<input type="checkbox"/>
LTXPS	<input type="checkbox"/>
LTXVB	<input type="checkbox"/>
VBKZ	<input type="checkbox"/>
MVBKZ	<input type="checkbox"/>
DATUB	<input type="checkbox"/>
AENRA	<input type="checkbox"/>

Map

Source Structure

Assign

Name: /UGI/_S_U1_PP_FMBOM

Source Structure

Sort: Original Field Order

Name	Is Used
PMBOMTECH	<input type="checkbox"/>
SIZDIM	<input type="checkbox"/>
STKTX	<input checked="" type="checkbox"/>
STLT_BOM	<input type="checkbox"/>
STNUM	<input checked="" type="checkbox"/>
TXTMI	<input type="checkbox"/>
VALIDFROM	<input checked="" type="checkbox"/>
VALIDTODA	<input type="checkbox"/>
ZZLAND1	<input type="checkbox"/>
ZZVENDOR	<input type="checkbox"/>

- Click on “Save” button. A success message appears indicating that the mapping is saved successfully.

Edit Mapping Step: /UGI/MDG_SMT_STAGE_TO_STKOB

Mapping /UGI/MDG_SMT_MRO_MDG2ECC_MAP > Mapping Step /UGI/MDG_SMT_STAGE_TO_STKOB

Mapping Description: SMT mapping for MRO BOM from MDG to ECC Package Group: /UGI/EAM

✓ Mapping /UGI/MDG_SMT_MRO_MDG2ECC_MAP saved successfully under request SQ1K900418

Save Close Read-Only Copy Delete Mapping External You Can Also

Field Checks Transformations

Order	Transformation Type	Conditional	Chain to Preceding	Switch	Description
00001	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>		
00002	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>		

Details for Transformation Order 00002

Field Mapping

*FIELD	Source Structure	Source Field	Fixed Value	Conversion Class	Reference Type	Field type	Data Type	Number of Characters	Decimal Places	Description
ZZLAND1	/UGI/_S_U1_P	ZZLAND1			<input type="checkbox"/>					
ZZVENDOR	/UGI/_S_U1_P	ZZVENDOR			<input type="checkbox"/>					

UI Extensibility

You can use the following steps to add the newly added fields to the MDG Change Request UI.

- Run transaction code (t-code) SE80 and provide the package name as “/UGI/MDG_EAM_MROBOM”. Choose the FPM application configuration as “/UGI/USMD_U1_OVP_PMBOMHDR” and click on the button “Start Configurator”.

Web Dynpro Explorer: Display Web Dynpro Configuration

Start Configurator | Display Configuration

Repository Browser

Package: /UGI/MDG_EAM_MROBOM

Object Name: /UGI/MDG_EAM_MROBOM | Description: Utopia EAM for

Properties

Config ID: /UGI/USMD_U1_OVP_PMBOMHDR
 Configuration Type: 2 Application
 Config. Variant:
 Description: MRO BOM UI
 Web Dynpro Applicat.: USMD_OVP_GEN

Administrative Data

Created By: SAP | Created on: 26.07.2014
 Last Changed By: SAP | Changed On: 17.10.2016
 Package: /UGI/MDG_EAM_MROBOM
 Original Language: EN

- Click on the “Change” button for the configuration ID as “/UGI/USMD_U1_OVP_PMBOMHDR”.

Delete | Copy | Other Functions ▾

Application Configuration

Application Name: USMD_OVP_GEN

* Configuration ID: /UGI/USMD_U1_OVP_PMBOMHDR

Change | Display | Create

- Click on the configuration name “/UGI/USMD_U1_PMBOMHDRO_OVP”.

File ▾ | Edit ▾ | View ▾ | Other Functions ▾

Application Configuration: /UGI/USMD_U1_OVP_PMBOMHDR

Assign Configuration Name

Component Usage	Component	Implementation	Configuration Name
USMD_OVP_GEN	FPM_ADAPTABLE_OVP	FPM_ADAPTABLE_OVP	USMD_OVP_CBA
OVP	FPM_OVP_COMPONENT	FPM_OVP_COMPONENT	/UGI/USMD_U1_PMBOMHDR_OVP

- Click on “Other functions” button and select “Create customizing” option.
- Click on “Create” button and enter the description.

Delete | Copy | Other Functions ▾

Customizing Mode

Component Customizing /UGI/USMD_U1_PMBOMHDR_OVP

Component Name: FPM_OVP_COMPONENT

* Configuration ID: /UGI/USMD_U1_PMBOMHDR_OVP

More...

Change | Display | Create

Create Customizing

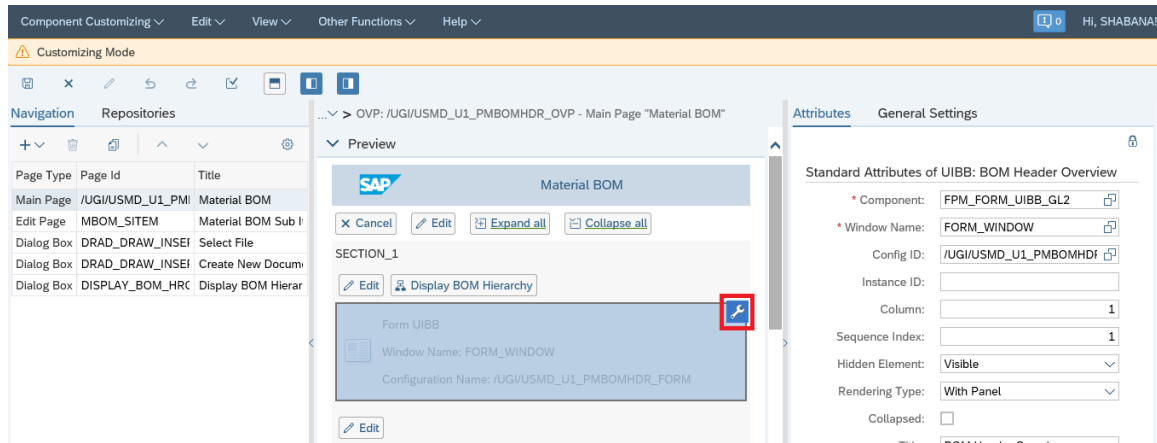
Config ID: /UGI/USMD_U1_PMBOMHDR_OVP

Description: MBOM customizing fields

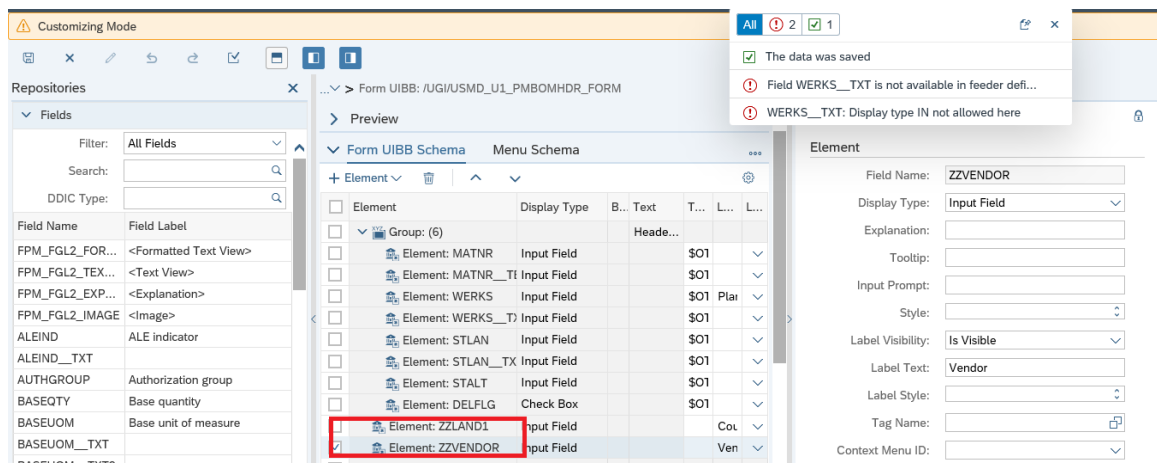
OK | Cancel

The following screen opens.

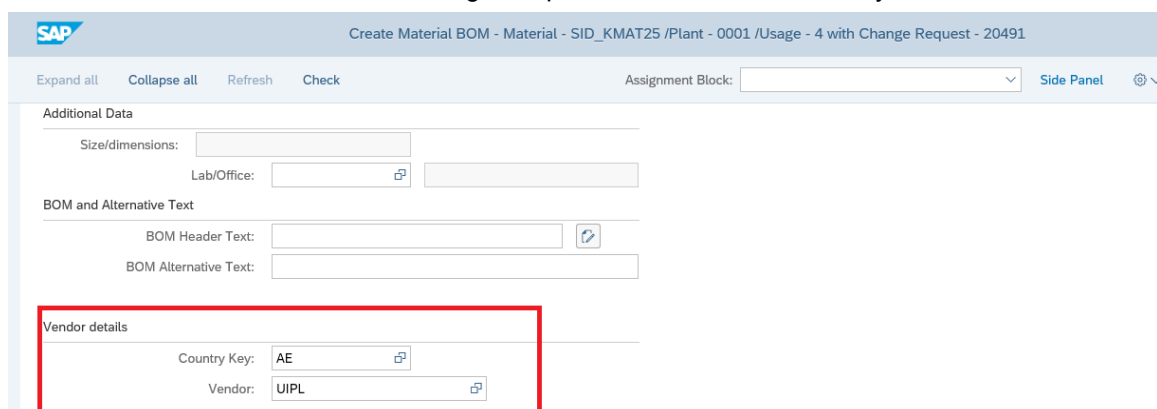
- Choose the UIBB for BOM header “/UGI/USMD_U1_PMBOMHDR_FORM” and click on the “Configure UIBB” button as highlighted in the following screen.



- Under the “Form UIBB Schema”, add a new Group with the description “Vendor” and add the newly added fields under the group by selecting “+Element” option.
- Click on “Save” button once the fields are added.



The fields are added to the MDG Change Request and backend and ready for the use.



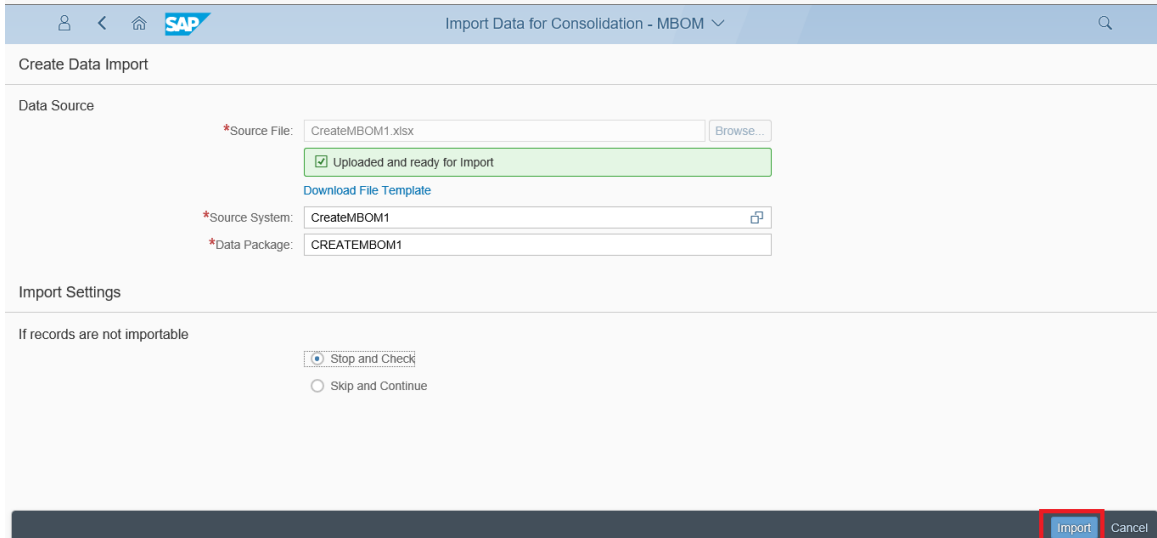
Result

You can use the following steps to test the Master Data Consolidation and Mass Processing for the newly added fields.

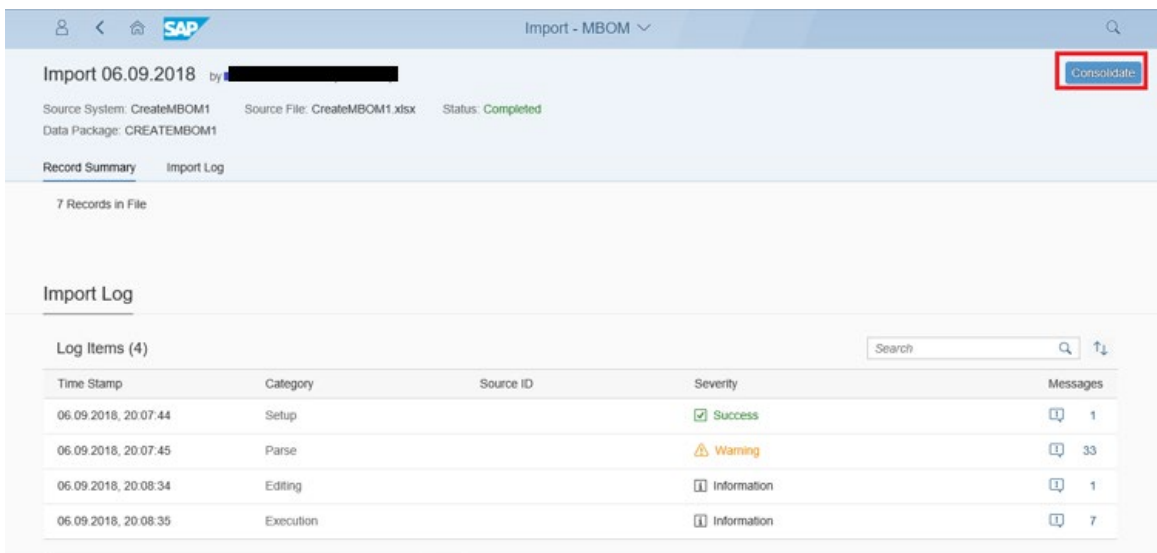
Note

The following example is for the mass create for MBOM through MDC.

1. Launch t-code “/UI2/FLP”. Click on the “Import Data for Consolidation-MBOM” fiori application.
2. Choose the MBOM file prepared for mass create and upload the same using “Browse” button.

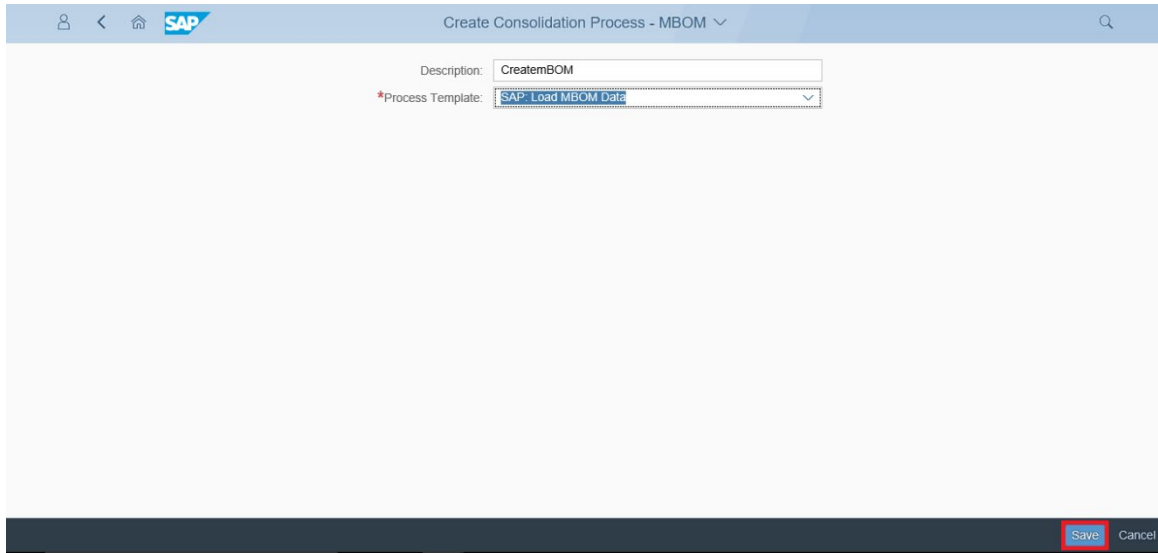


3. Once the import is completed, the following screen appears with the Import log.
4. Click on “Consolidate” button to initiate the process or alternatively, you can use the “Create Consolidation” Fiori application.



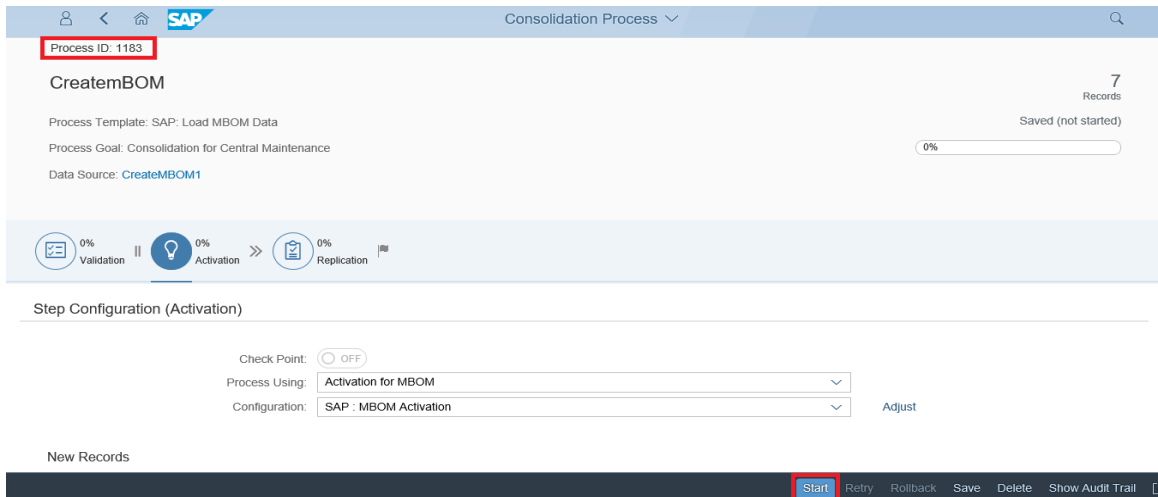
Time Stamp	Category	Source ID	Severity	Messages
06.09.2018, 20:07:44	Setup		Success	1
06.09.2018, 20:07:45	Parse		Warning	33
06.09.2018, 20:08:34	Editing		Information	1
06.09.2018, 20:08:35	Execution		Information	7

5. Choose the “Process Template” from the drop down, enter description and click on “Save” button.

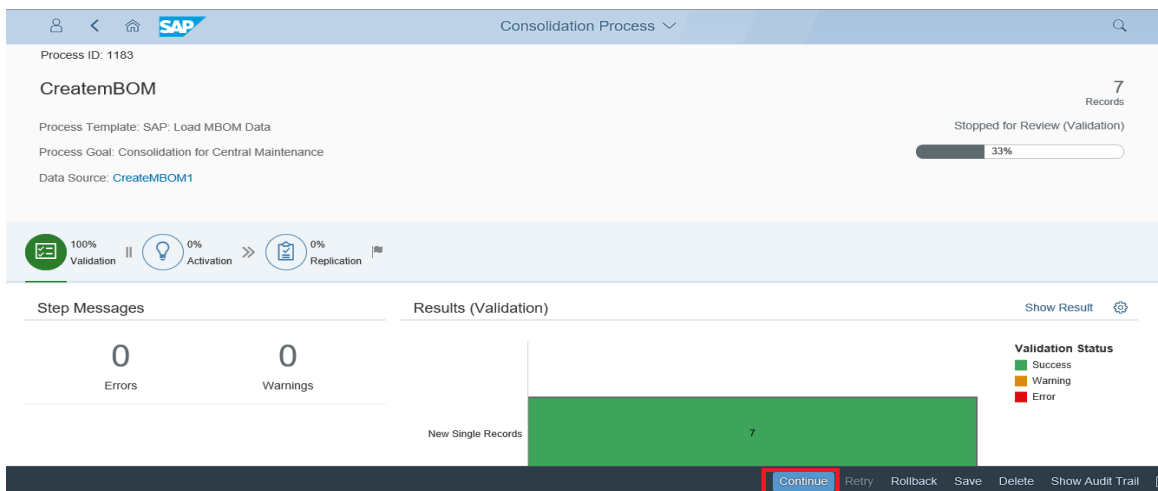


A new process ID is created.

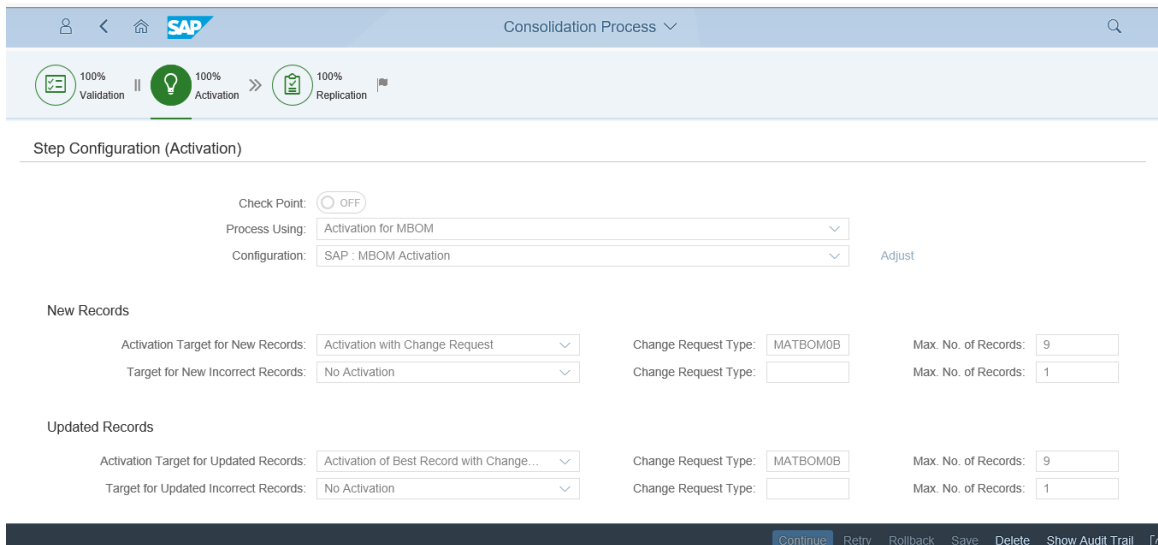
6. Click on the “Start” button to start the processing.



7. Once the validation is completed successfully, click on “Continue” button to move to the next step.



8. Once the activation step is completed, the status of the process ID changes to finished.



The screenshot shows the 'Consolidation Process' configuration screen in SAP. At the top, a progress bar indicates 100% completion for Validation, Activation, and Replication steps. The 'Step Configuration (Activation)' section includes the following fields:

- Check Point: ☐ OFF
- Process Using: Activation for MBOM
- Configuration: SAP : MBOM Activation

Below this, there are two sections for record configuration:

New Records

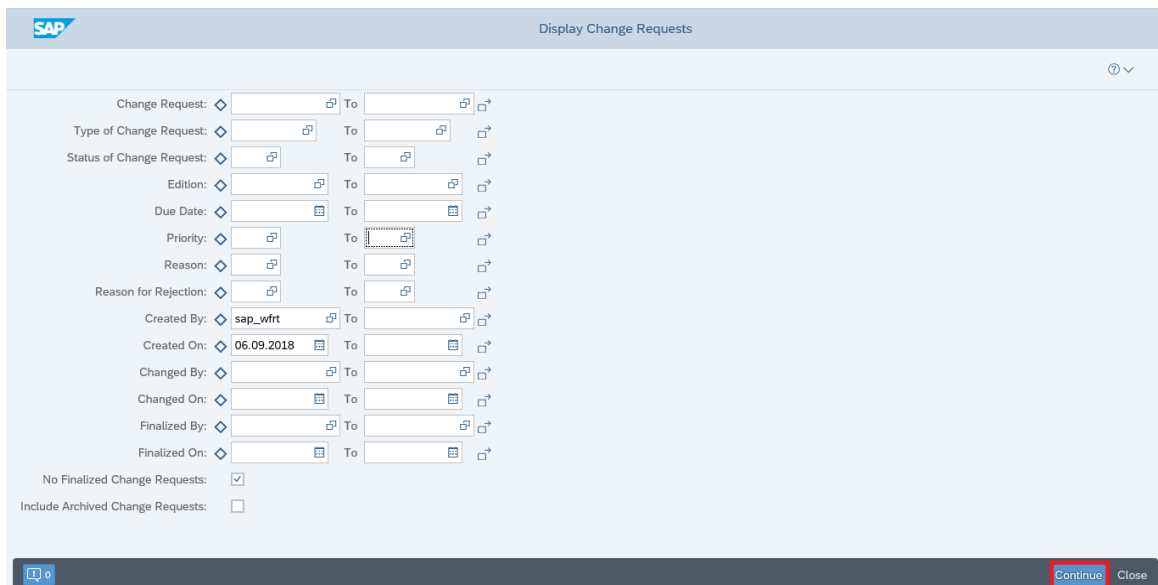
- Activation Target for New Records: Activation with Change Request
- Change Request Type: MATBOM0B
- Max. No. of Records: 9
- Target for New Incorrect Records: No Activation
- Change Request Type:
- Max. No. of Records: 1

Updated Records

- Activation Target for Updated Records: Activation of Best Record with Change...
- Change Request Type: MATBOM0B
- Max. No. of Records: 9
- Target for Updated Incorrect Records: No Activation
- Change Request Type:
- Max. No. of Records: 1

At the bottom, a dark bar contains buttons: Continue, Retry, Rollback, Save, Delete, and Show Audit Trail.

9. Launch t-code NWBC and use the role "/UGI/_MDGEAM_MENU" to view the Change Request created in case you have selected "Activation through Change Request" option from New Records as displayed in the above screen.
10. Enter the "Created By" as "SAP_WFRT" and "Created On" as the date on which the process is created.



The screenshot shows the 'Display Change Requests' screen in SAP. It features a search filter section with the following fields:

- Change Request:
- Type of Change Request:
- Status of Change Request:
- Edition:
- Due Date:
- Priority:
- Reason:
- Reason for Rejection:
- Created By: sap_wfrt
- Created On: 06.09.2018
- Changed By:
- Changed On:
- Finalized By:
- Finalized On:

At the bottom left, there are checkboxes for 'No Finalized Change Requests' (checked) and 'Include Archived Change Requests' (unchecked). At the bottom right, there are buttons for 'Continue' (highlighted with a red box) and 'Close'.

The Change Request of type MATBOM0B is created.

11. Click on the Change Request number.

Print Preview Refresh New Selection ⓘ

20542 New Record: 7 MBOMs of Process 1183 Changes to Be Executed 06.09.2018 SAP SAP_WFRT Import MRO Bill of Material

Details of Change Request 20542 (New Record: 7 MBOMs of Process 1183)

MBOM - Material Bill of Material Change Request Header

Material	Desc. Long	AltBOM	BOM Usg	Desc. Long	Pint
SID_MDC_KMAT911_CR	CHAIR	1	4	Plant Maintenance	0001
SID_MDC_KMAT912_CR	CHAIR	1	4	Plant Maintenance	0001
SID_MDC_KMAT913_CR	CHAIR	1	4	Plant Maintenance	0001
SID_MDC_KMAT914_CR	CHAIR	1	4	Plant Maintenance	0001
SID_MDC_KMAT915_CR	CHAIR	1	4	Plant Maintenance	0001
SID_MDC_KMAT916_CR	CHAIR	1	4	Plant Maintenance	0001

12. Click on the “Single Processing” button to view the individual objects.

SAP Process Change Request

Read Only Print Preview Check Run Validation Validation Log Related Services ▾ Side Panel ⓘ

Change Request: 20542 Type: Import MRO Bill of Material Status: Changes to Be Executed

Overview Changes Notes Attachments

Show Objects of Entity Type: MBOM - Material Bill of Material

MBOM - Material Bill of Material: Objects to Be Changed

Print Version Export ▾ Single Processing Mass Change Add Row ▾ Delete Row(s) Display Changes

<input type="checkbox"/> Material	Description	AltBOM	BOM Usg	Description	Pint	Changed
<input checked="" type="checkbox"/> SID_MDC_KMAT911_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT912_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT913_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT914_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT915_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT916_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>
<input type="checkbox"/> SID_MDC_KMAT917_CR	CHAIR	1	4	Plant Maintenance	0001	<input checked="" type="checkbox"/>

Refres

0 Save Finalize Processing Send for Revision Close

13. You can verify that the newly added fields are passed to the Change Request.

SAP Create Material BOM - Material - SID_MDC_KMAT911_CR /Plant - 0001 /Usage - 4 with Change Request - 20542

Expand all Collapse all Refresh Check Change Documents Workflow Log Assignment Block: Side Panel ⓘ

BOM status: 1 Active

Authorization group: 0001

Additional Data

Size/dimensions:

Lab/Office: 001 Laboratory 1

BOM and Alternative Text

BOM Header Text: BOM Header Text uploaded by STZU

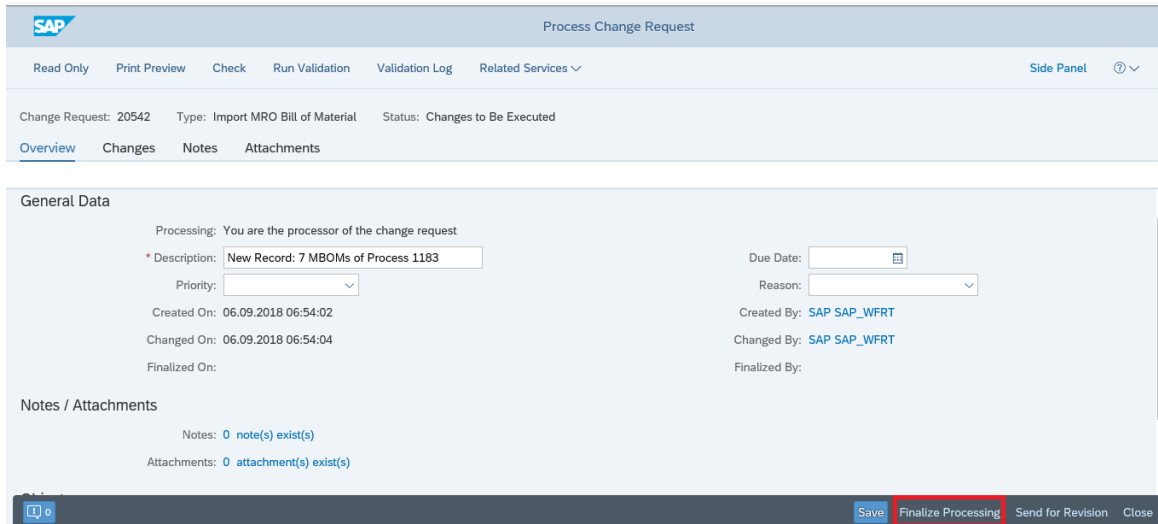
BOM Alternative Text: 1st BOM Alternative Text Uploaded by STK

Vendor details

Country Key: US

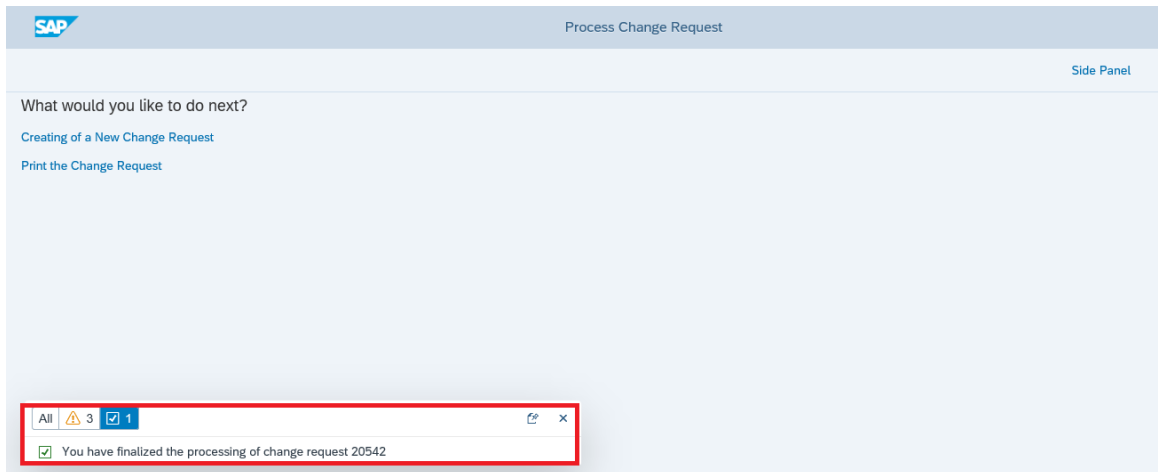
Vendor: UIPL

14. Click on the “Finalize Processing” button.



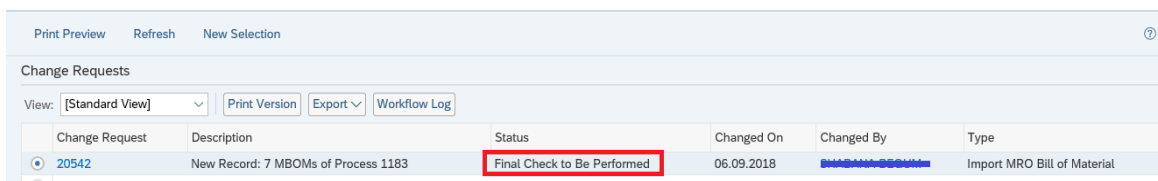
The screenshot shows the SAP 'Process Change Request' form. At the top, there are tabs: Read Only, Print Preview, Check, Run Validation, Validation Log, and Related Services. Below these, the form displays 'Change Request: 20542', 'Type: Import MRO Bill of Material', and 'Status: Changes to Be Executed'. The 'Overview' tab is selected. The 'General Data' section includes fields for 'Processing' (You are the processor of the change request), 'Description' (New Record: 7 MBOMs of Process 1183), 'Priority' (a dropdown menu), 'Due Date' (a date picker), 'Reason' (a dropdown menu), 'Created On' (06.09.2018 06:54:02), 'Changed On' (06.09.2018 06:54:04), 'Finalized On' (empty), 'Created By' (SAP SAP_WFRT), 'Changed By' (SAP SAP_WFRT), and 'Finalized By' (empty). The 'Notes / Attachments' section shows 'Notes: 0 note(s) exist(s)' and 'Attachments: 0 attachment(s) exist(s)'. At the bottom, there are buttons: Save, Finalize Processing (highlighted with a red box), Send for Revision, and Close.

A success message appears as “You have finalized the processing of Change Request XX”.



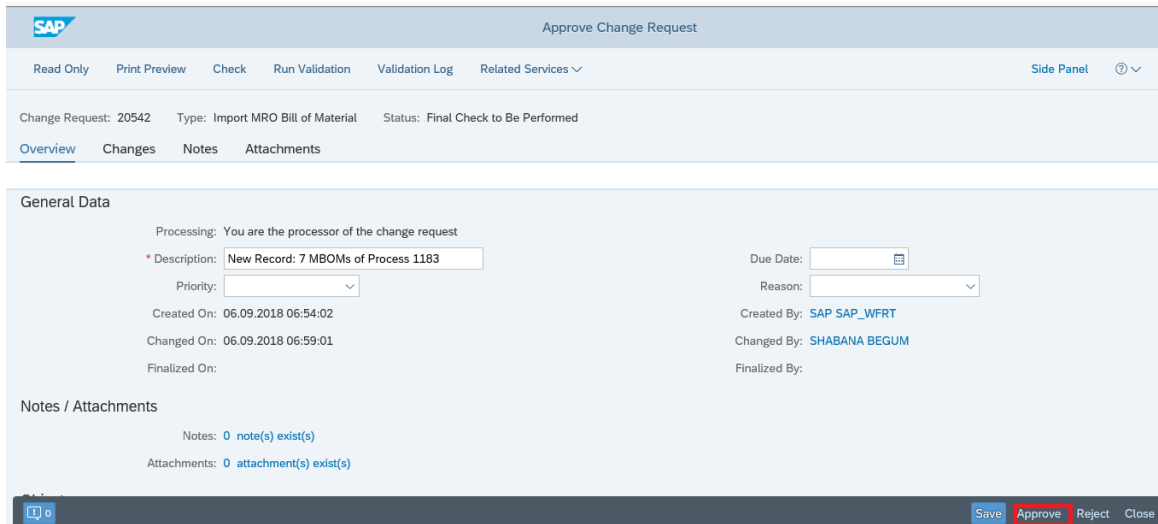
The screenshot shows the SAP 'Process Change Request' form after the 'Finalize Processing' button was clicked. The form displays 'What would you like to do next?' with links for 'Creating of a New Change Request' and 'Print the Change Request'. At the bottom, a success message is displayed in a red box: 'You have finalized the processing of change request 20542'.

The status of the Change Request changes to the “Final Check to be Performed”.



Change Requests						
View: [Standard View] [Print Version] [Export] [Workflow Log]						
Change Request	Description	Status	Changed On	Changed By	Type	
20542	New Record: 7 MBOMs of Process 1183	Final Check to be Performed	06.09.2018	SAP SAP_WFRT	Import MRO Bill of Material	

- Click on the “Approve” button.



SAP Approve Change Request

Read Only Print Preview Check Run Validation Validation Log Related Services ▾ Side Panel ⓘ ▾

Change Request: 20542 Type: Import MRO Bill of Material Status: Final Check to Be Performed

Overview Changes Notes Attachments

General Data

Processing: You are the processor of the change request

* Description: New Record: 7 MBOMs of Process 1183

Priority: ▾

Created On: 06.09.2018 06:54:02

Changed On: 06.09.2018 06:59:01

Finalized On:

Due Date:

Reason: ▾

Created By: SAP SAP_WFRT

Changed By: SHABANA BEGUM

Finalized By:

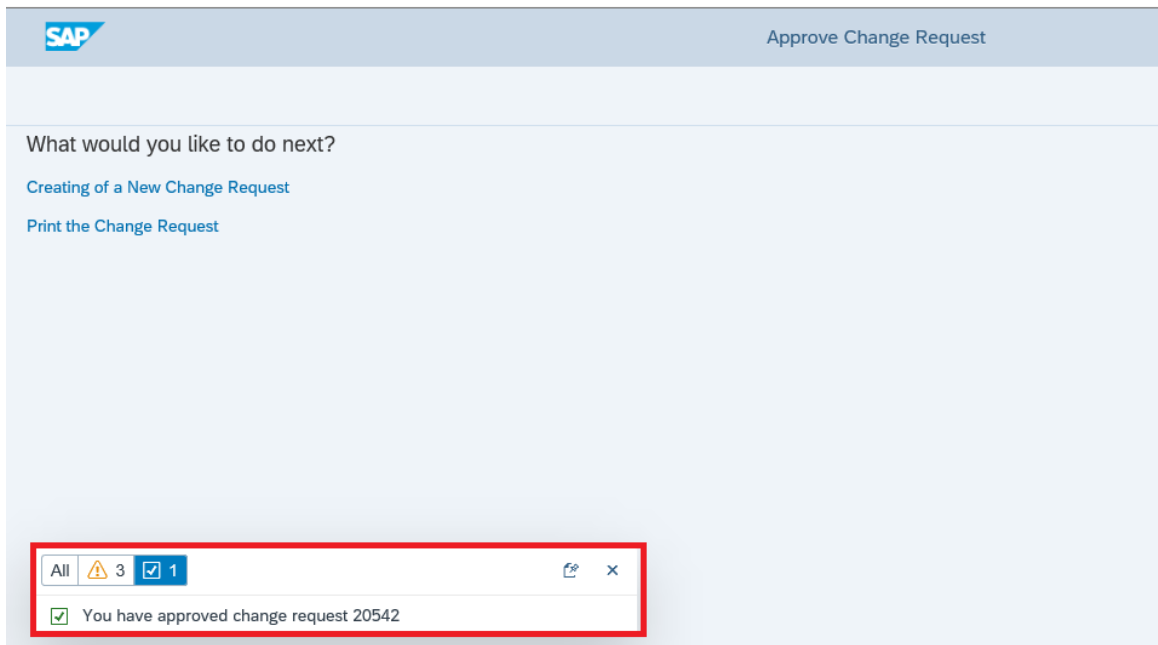
Notes / Attachments

Notes: 0 note(s) exist(s)

Attachments: 0 attachment(s) exist(s)

Save Approve Reject Close

A success message appears as “You have approved change request XX”.



SAP Approve Change Request

What would you like to do next?

[Creating of a New Change Request](#)

[Print the Change Request](#)

All 3 1

✓ You have approved change request 20542

The status of the Change Request is changed to “Final Check Approved”.

Print Preview

Refresh

New Selection

Change Requests

View: [Standard View]

Print Version

Export

Workflow Log

Change Request	Description	Status	Changed On	Changed By	Type
20542	New Record: 7 MBOMs of Process 1183	Final Check Approved	06.09.2018		Import MRO Bill of Material

You can validate that the newly added fields data are reflected in backend by using the t-code “CS03” to display the BOM.

Display material BOM: Header Overview

Item Summ.BOM Alternative Long Text BOM Long Text

Material Chair

Plant Werk 0001

BOM

Alternative BOM

BOM Usage Plant Maintenance

Technical type

BOM group

Quantities/Long Text Additional Data Customer fields Administration Data Document Assignment

BOM header custom fields

Land

Vendor