

How-To Guide: Master Data Consolidation and Mass Processing for RFM

Applies to

RFM 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 RFM object.

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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 set up SAP MDG, Consolidation and Mass processing and use it for mass creation of Article.

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

File Creation for Import

The file used should be updated with the unique source ID for the root table MARA and all the related tables provided in separate tabs or should be provided with key in each of the tabs to uniquely link the related records.

Configure Process Template

Use the following steps to configure the process template:

1. Run t-code MDCIMG. Navigate to the customizing path: Master Data Governance, Consolidation and Mass Processing > Specify Adapters.
2. Ensure that the following adapters are available to be used for Article.

| Display View "Master Data Consolidation: Configuration of Adapters": O | | | |
|------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------------------|
| BO Type | Step Type | Process Step Adapter | Adapter Description |
| DRF_0017 | Activation | /UGI4/CL_MDC_ADAPTER_RFM_ACT | Activation for Article Master |
| DRF_0017 | BRC Best Record Calculat... | /UGI4/CL_MDC_ADAPTER_RFM_BRC | Material Best Record Calculation |
| DRF_0017 | EDI Edit | CL_MDC_ADAPTER_EDI | Interactive Mass Processing |
| DRF_0017 | EVA Evaluation | CL_MDQ_RULE_EVALUATION_ADAPTER | Adapter for Data Quality Evaluation |
| DRF_0017 | FAR Filter & Remove | CL_MDC_ADAPTER_FAR | Filter & Remove |
| DRF_0017 | MTC Matching | /UGI4/CL_MDC_ADAPTER_RFM_MTC | Material Matching (Old Material Number) |
| DRF_0017 | MTC Matching | CL_MDC_ADAPTER_FUZZY_MTC | HANA fuzzy search |
| DRF_0017 | MTC Matching | CL_MDC_ADAPTER_MTC | New HANA fuzzy search |
| DRF_0017 | REP Replication | /UGI4/CL_MDC_ADAPTER_RFM_REP | MDC Material Replication via DRF |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_AR_KEYMAP | Evaluate Key Mapping for Material |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_RFM_VALMAP | Evaluate Value Mapping for Material |
| DRF_0017 | STD Standardization | CL_MDC_ADAPTER_BRF_STD | BRFplus |
| DRF_0017 | VAL Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | Article Master Validations (Business Suite) |

3. Navigate through the path: Master Data Governance, Consolidation and Mass Processing> Configure Process Template > Specify Process Template.
4. Add the following entry as part of customizing activity.

| Display View "Process Template": Overview | | | | | | | | |
|-------------------------------------------|------------|---------------------------------------|----------|------------------|---------------------|--------------|----------------------|--------------------------|
| Dialog Structure | Proc Tmpl | Description | BO Type | Description | Process Workflow... | Name | Process Goal | Default Te... |
| Process Template | UGI_RF_STD | MDC : Load Data-Testing with STD(RFM) | DRF_0017 | Article (Retail) | WS54500001 | MDC Workflow | M Consolidation f... | <input type="checkbox"/> |

The template should be assigned with steps to be considered while running the consolidation of data. The following template has 5 steps including the Validation, Standardization, Activation and Replication.

| Display View "Process Template Step": Overview | | | | | | | |
|------------------------------------------------|---------------------|------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------|------------------------------|
| Dialog Structure | | Process Template | UGI_RF_STD | MDC : Load Data-Testing with STD(RFM) | Bus. Obj. Type | DRF_0017 | Article (Retail) |
| Process Template Step | | | | | | | |
| Step | Step Type | Description | BO Type | Adapter | Config. ID | Check Pt. | Action Control for next step |
| 1 | VAL Validation | Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | URFM_VAL | <input checked="" type="checkbox"/> | No action control | |
| 2 | STD Standardization | Standardization | /UGI4/CL_MDC_ADAPTER_AR_KEYMAP | | <input checked="" type="checkbox"/> | No action control | |
| 3 | VAL Validation | Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | URFM_VAL | <input checked="" type="checkbox"/> | No action control | |
| 4 | ACT Activation | Activation | /UGI4/CL_MDC_ADAPTER_RFM_ACT | URFM_ACT | <input type="checkbox"/> | No action control | |

The Config ID field as shown in the above screen is defined in the IMG path.

- Validation can be configured for MDG checks and BRF+. Refer [Appendix A](#) for detailed steps to configure the BRF+ checks.

| Display View "Master Data Consolidation: Configurations for Validation" | | | | | | | |
|-------------------------------------------------------------------------|-----------------------|--|--|--|--|--|--|
| Master Data Consolidation: Configurations for Validation | | | | | | | |
| Configuration ID | URFM_VAL | | | | | | |
| Description | RFM Validation Config | | | | | | |
| No of Processes | 10 | | | | | | |
| Queue Prefix | MDC_RFMD_VAL_Q_ | | | | | | |
| <input type="checkbox"/> BRF+ Checks | | | | | | | |
| <input type="checkbox"/> Write MDQ Worklist | | | | | | | |
| <input checked="" type="checkbox"/> Remove Unchanged Rec | | | | | | | |
| Threshold (%) | 0 | | | | | | |

- The default configuration is “Direct Activation”. This can be changed to “Activation with change request” option.
 - The Change Request of type import Article is to be assigned i.e. AR0B, in case the Activation with change request is selected.
 - The value “Max. Records” can be changed to a value to indicate the number of Article objects allowed per Change Request.
 - Replication is integrated with the Activation step for Direct Activation. The below indicated check box should be marked for the IDocs to be generated after successful activation.

| Change View "Configurations for Activation for RFM": Details | | | | | | | |
|--------------------------------------------------------------|---------------------------------------|----------------------|------------------------|------|-------------|--|--|
| Configurations for Activation for RFM | | | | | | | |
| Configuration ID / Description | URFM_ACT | SAP : RFM Activation | | | | | |
| New Entries | | | | | | | |
| Configurations for Activation for RFM | | | | | | | |
| Number of Processes | 1 | | | | | | |
| Prefix for Queue Name | MDC_RFMD_ACT_Q_ | | | | | | |
| New Records | | | | | | | |
| Activation Target for New Records | 2 Activation with Change Request | | Type of Change Request | AR0B | RMP Schema | | |
| Max. Records | 10 | | | | | | |
| New Records (Errors) | | | | | | | |
| Activation Target for New Records (Errors) | 2 Activation with Change Request | | Type of Change Request | AR0B | RMP Schema | | |
| Max. Records | 10 | | | | | | |
| Updated Records | | | | | | | |
| Activation Target for Updated Records | 1 Direct Activation of Best Record | | Type of Change Request | | Mass Schema | | |
| Max. Records | 2 | | | | | | |
| Updated Records (Errors) | | | | | | | |
| Activation Target of Updated Records (Errors) | 2 Activation of Best Record with C... | | Type of Change Request | AR0B | RMP Schema | | |
| Max. Records | 10 | | | | | | |

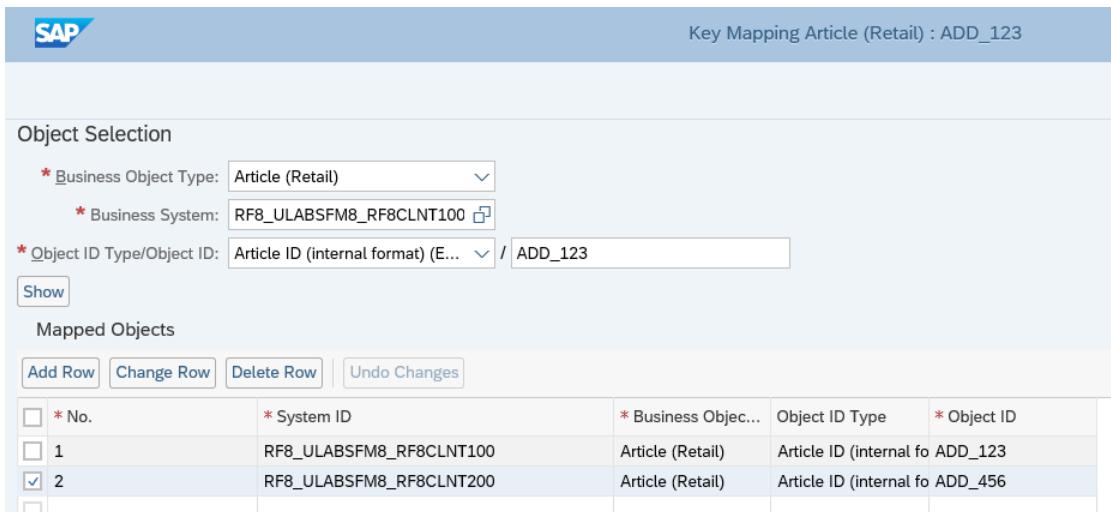
Mass Create

Prerequisites

In case, the key mapping is to be used for standardization step in the process template, ensure that that the key mapping is maintained.

To check the key mapping scenario, navigate to the t-code MDG_KM_MAINTAIN and maintain the key mapping between the material from source system provided in the spreadsheet and the article which exists in the target system.

The following screen depicts the key mapping maintained when the consolidation process is to be performed on the system RF8_ULABSFM8_RF8CLNT100 and the source system for file import is RF8_ULABSFM8_RF8CLNT200.



The screenshot shows the SAP Fiori interface for 'Key Mapping Article (Retail) : ADD_123'. The 'Object Selection' section includes fields for Business Object Type (Article (Retail)), Business System (RF8_ULABSFM8_RF8CLNT100), and Object ID Type/Object ID (Article ID (internal format) (E... / ADD_123)). The 'Show' button is visible. Below this is the 'Mapped Objects' section, which contains a table with columns: * No., * System ID, * Business Objec..., Object ID Type, and * Object ID. The table has three rows: Row 1 (No. 1, System ID RF8_ULABSFM8_RF8CLNT100, Article (Retail), Article ID (internal fo ADD_123)), Row 2 (No. 2, System ID RF8_ULABSFM8_RF8CLNT200, Article (Retail), Article ID (internal fo ADD_456)), and a header row. Buttons for Add Row, Change Row, Delete Row, and Undo Changes are at the top of the table.

Perform Mass Create

Use the following steps to perform the mass create for article using MDC.

1. Launch Fiori launchpad using t-code /UI2/FLP.
2. Run “Import Data for Consolidation - Articles”.



3. Choose the duly filled Excel file for creating the article data.

Once the message comes as “Uploaded and ready for Import”. Click on the “Import” button as highlighted in the following screen.

SAP Import Data for Consolidation - Article ▾

Create Data Import

Data Source

*Source File:

Uploaded and ready for Import [Download File Templates](#)

*Source System: Import without Source System

*Data Package:

Import Settings

If records are not importable

Stop and Check Skip and Continue

SAP Import - Article ▾

Import 28.11.2019 by [REDACTED]

Source System: RF8_ULABSFM8_RF8CLNT200 Source File: RFM_AR_RF8_CLNT200.xlsx Status: Completed
Data Package: RF8_ULABSFM8_RF8CLNT200

[Record Summary](#) [Import Log](#)

4 Records in File

Import Log

| Log Items (8) | | | | | <input type="button" value="Search"/> | <input type="button" value="↑"/> |
|----------------------|----------|----------------|---------------------------------------------|----------------------------------|---------------------------------------|----------------------------------|
| Time Stamp | Category | Article | Severity | Messages | | |
| 28.11.2019, 20:48:27 | Setup | | <input checked="" type="checkbox"/> Success | <input type="button" value="1"/> | <input type="button" value="1"/> | <input type="button" value="1"/> |
| 28.11.2019, 20:48:28 | Parse | | <input type="checkbox"/> Warning | <input type="button" value="6"/> | <input type="button" value="6"/> | <input type="button" value="6"/> |
| 28.11.2019, 20:48:28 | Parse | UIPL_ART_S2421 | <input type="checkbox"/> Warning | <input type="button" value="6"/> | <input type="button" value="6"/> | <input type="button" value="6"/> |
| 28.11.2019, 20:48:28 | Parse | UIPL_ART_S2422 | <input type="checkbox"/> Warning | <input type="button" value="6"/> | <input type="button" value="6"/> | <input type="button" value="6"/> |
| 28.11.2019, 20:48:28 | Parse | UIPL_ART_S2423 | <input type="checkbox"/> Warning | <input type="button" value="6"/> | <input type="button" value="6"/> | <input type="button" value="6"/> |

1 Note

Make sure that the Excel is correctly formatted. Sample formats can be downloaded from the link “Download File Template”. You can refer to the README file provided along with the template for the conventions to be followed for file preparation.

Once the import is successful , the “Consolidate” button appears on the top right side of the screen. You can use this button to launch the “Create Consolidation-Article” application from the “Import data for Consolidation-Article” application.

1 Note

You can also launch “Create Consolidation- Article” separately selecting the application directly from the launch pad and choose the required Imports in the same.

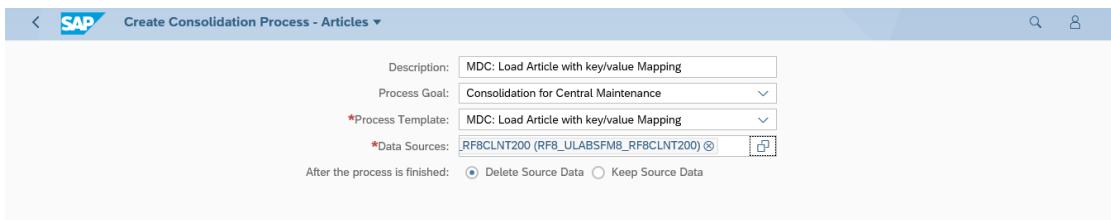
- Run “Create Consolidation Process-Articles” by following path: Manage Consolidation Processes - Articles->Create Process:

SAP Manage Consolidation Processes - Articles ▾

Standard

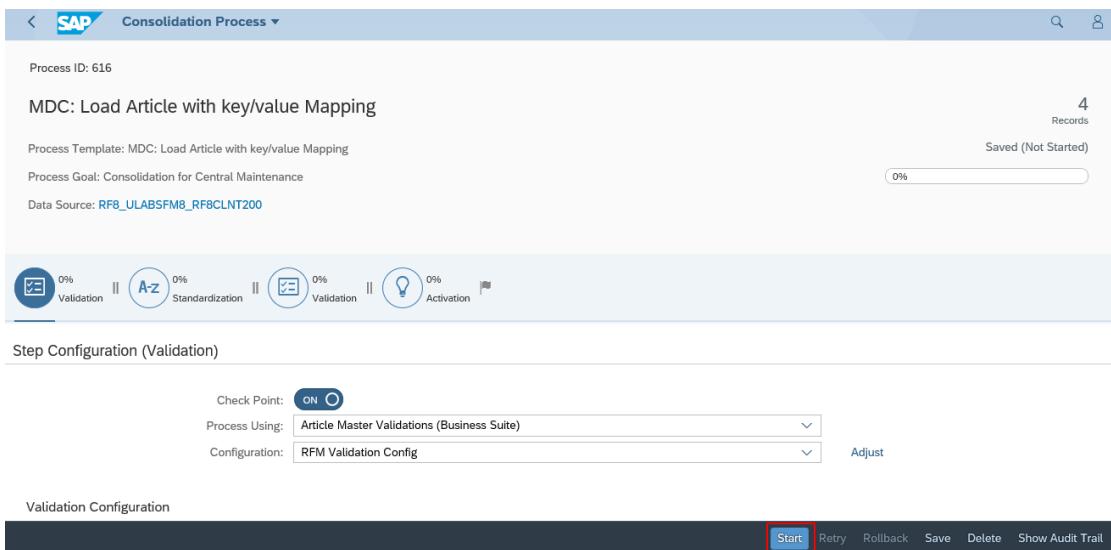
Processes (206)

- On the “Create Consolidation Process – Articles” screen provide the description text and the choose the process template from the dropdown.
- Click on “Save” button.



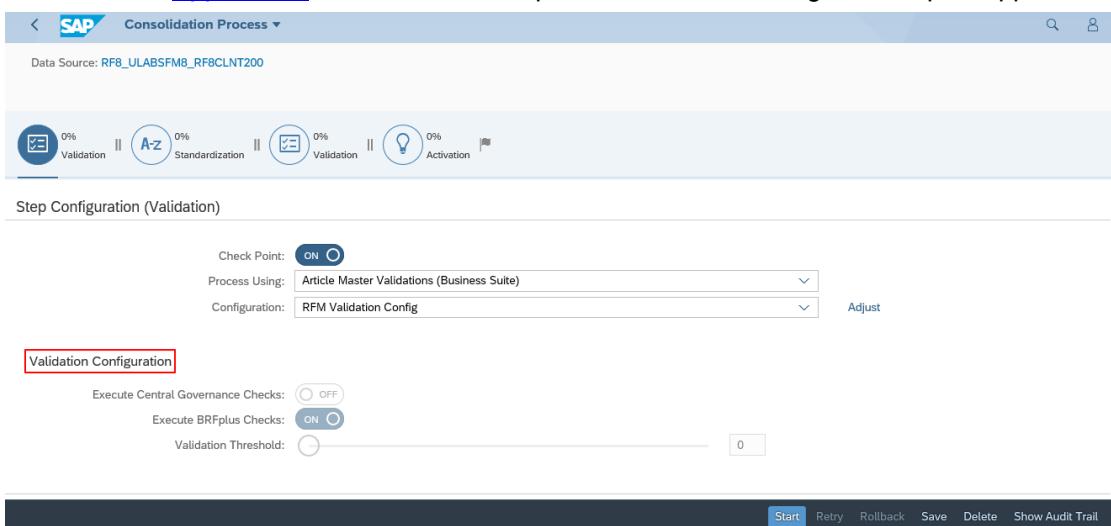
This launches a new process ID in MDC. All the steps configured as part of the template appear in the sequential way. Click on “Start” button to trigger the processing.

The default configurations are read from the backend for the process steps. In case, it must be changed, click on the “Adjust” link on the UI. This makes the screen editable for selections.



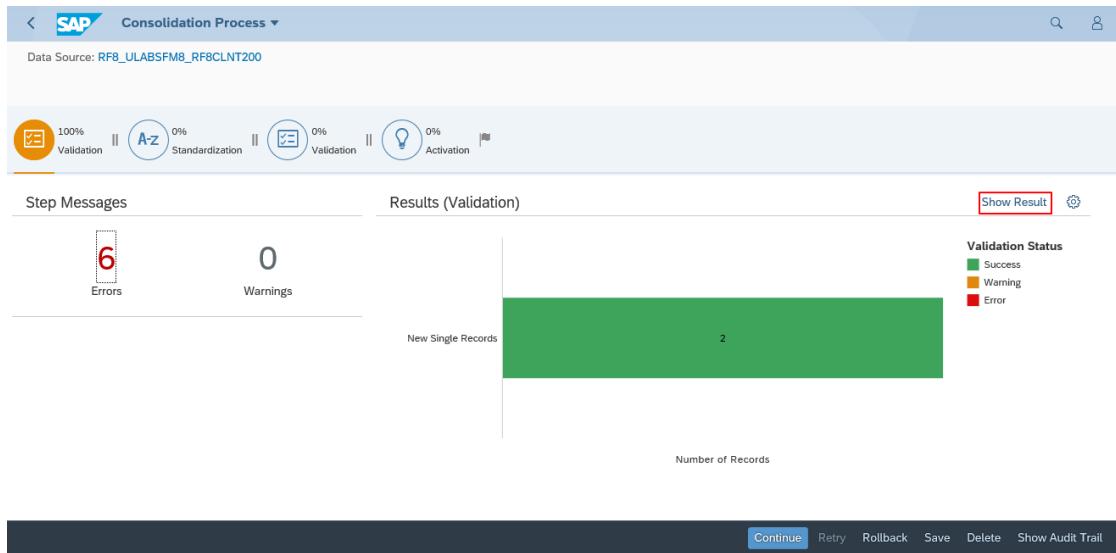
Validation step can also be configured along with MDG checks and BRFplus checks. This in turn calls the USMD_RULE_SERVICE BAdi in case MDG checks are configured. BRFplus validation rules and derivations can be configured for incorporating business logic.

You can refer [Appendix A](#) for the detailed steps for creation and usage of BRFplus application.



Once the process is started, it runs the first step configured in the process template i.e. Initial Check in this case. The validation status of the records is presented in the graphical format as below. Error records are marked in red color, success records are marked green and warning records are marked in yellow color.

To view the details of the records and locate the erroneous records, click on the link “Show Result” as highlighted in the following screen.



The screenshot shows the SAP Consolidation Process interface. At the top, there are four status indicators: Validation (100%), Standardization (0%), Validation (0%), and Activation (0%). Below these are two tabs: "Step Messages" and "Results (Validation)". The "Step Messages" tab displays 6 Errors and 0 Warnings. The "Results (Validation)" tab shows 2 New Single Records, indicated by a green progress bar. On the right, a legend defines validation status: Success (green), Warning (orange), and Error (red). A "Show Result" button is highlighted with a red box. At the bottom, there are buttons for Continue, Retry, Rollback, Save, Delete, and Show Audit Trail.

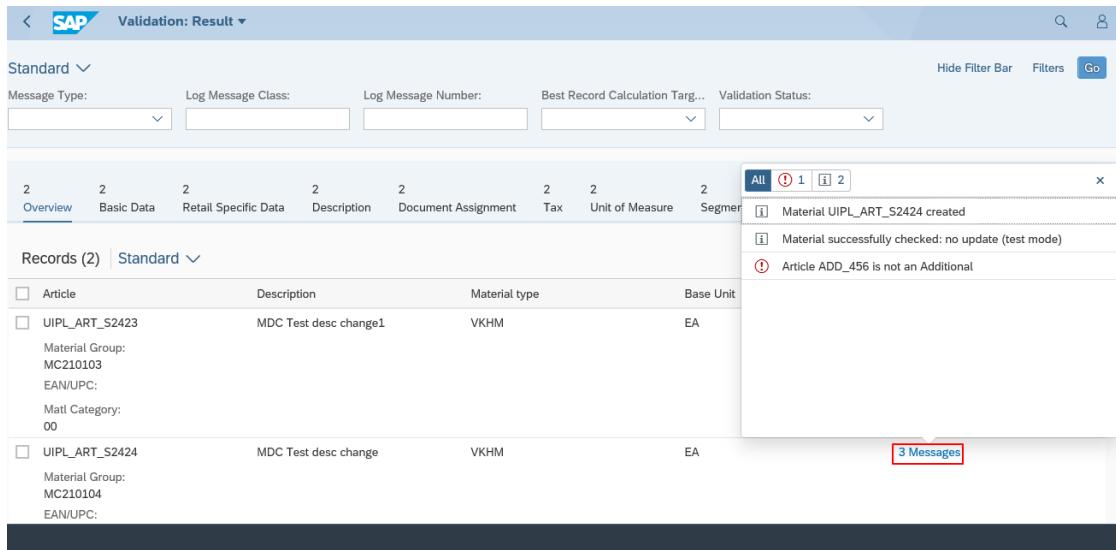
The messages are mapped to the “Details” column of the Overview tab.

7. Expand the list to view the messages.



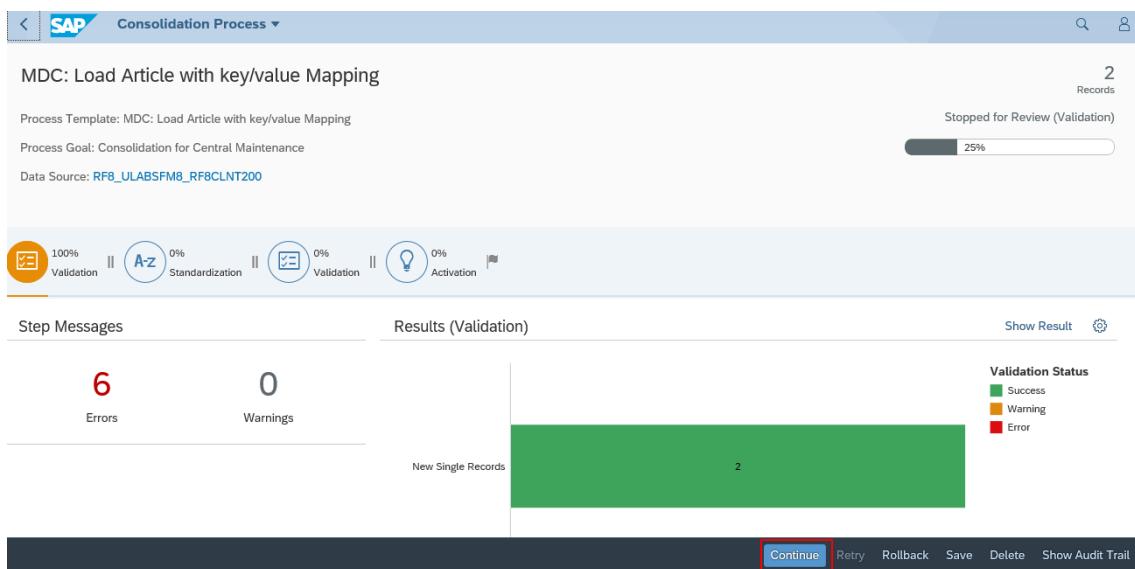
Note

The message “Article ADD_456 is not an Additional” in the above screen is because of this material does not exist in the correct system as this material exist in 200 systems (key mapping of additional material is Add_456(200 system->to ADD_123(100 system) once standardization step execution completed then only this material Add_456 replaced with the key mapping material ADD_123.



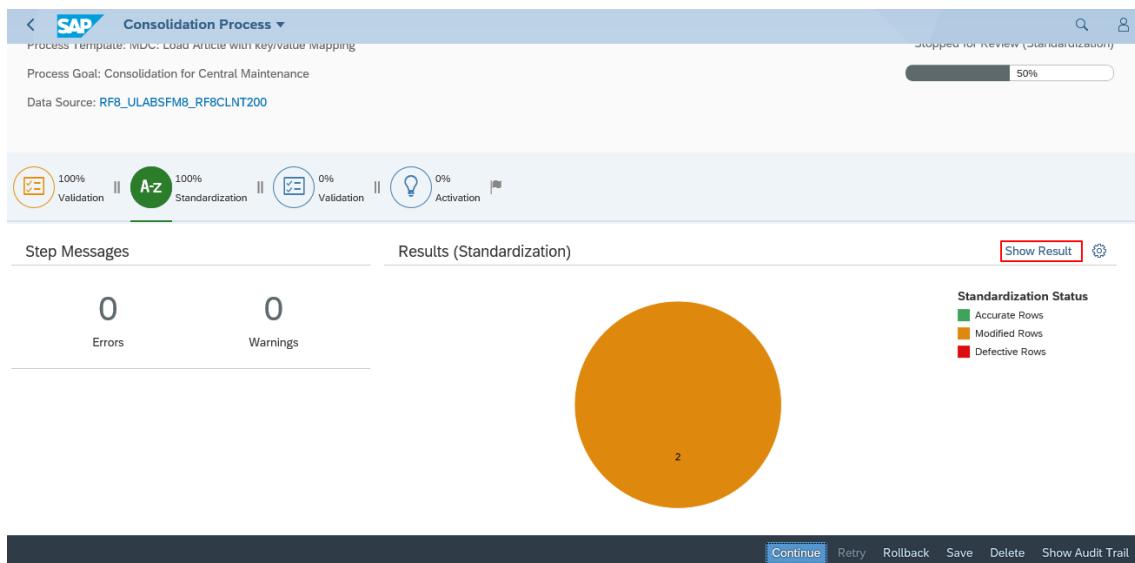
The screenshot shows the SAP Validation: Result screen. It has a filter bar at the top with fields for Message Type, Log Message Class, Log Message Number, Best Record Calculation Target, and Validation Status. Below the filter bar is a table with columns: Overview, Basic Data, Retail Specific Data, Description, Document Assignment, Tax, Unit of Measure, Segment, and a Details column. The Details column contains three messages: "Material UIPL_ART_S2424 created", "Material successfully checked: no update (test mode)", and "Article ADD_456 is not an Additional". The third message is highlighted with a red border. At the bottom right of the table, there is a button labeled "3 Messages".

8. Click on the “Continue” button to proceed to the next step.



The next step is configured as “Standardization”. This step has the key mapping and value mapping adapters assigned. The records are shown in graph with different color conventions to differentiate the accurate, modified and defective records.

- Click on the “Show Result” to view the detailed result messages under the Details column of the Overview tab.



The highlighted arrow mark in the following screen displays that the material key has been replaced with the key mapped material.

10. Click on the “Continue” button to proceed to the next step.

Process ID: 616

MDC: Load Article with key/value Mapping

Process Template: MDC: Load Article with key/value Mapping

Process Goal: Consolidation for Central Maintenance

Data Source: RF8_ULABSFMB_RF8CLNT200

2 Records
Stopped for Review (Standardization) 50%

Validation 100% Standardization 100% Validation 0% Activation

Step Messages Results (Standardization) Show Result

0 Errors 0 Warnings

Standardization Status

- Accurate Rows
- Modified Rows
- Defective Rows

Continue Retry Rollback Save Delete Show Audit Trail

11. Once the nonexistent material has been replaced with the key mapped material, the error messages that appeared in Initial Check, no longer appear in the Validation step.
 12. In case of errors, click on "Show Result" button to view and change the data.

Process ID: 616

MDC: Load Article with key/value Mapping

Process Template: MDC: Load Article with key/value Mapping

Process Goal: Consolidation for Central Maintenance

Data Source: RF8_ULABSFM8_RF8CLNT200

2 Records
Stopped for Review (Validation) 75%

100% Validation || 100% Standardization || 100% Validation || 0% Activation

Step Messages

0 Errors 0 Warnings

Results (Validation)

Show Result

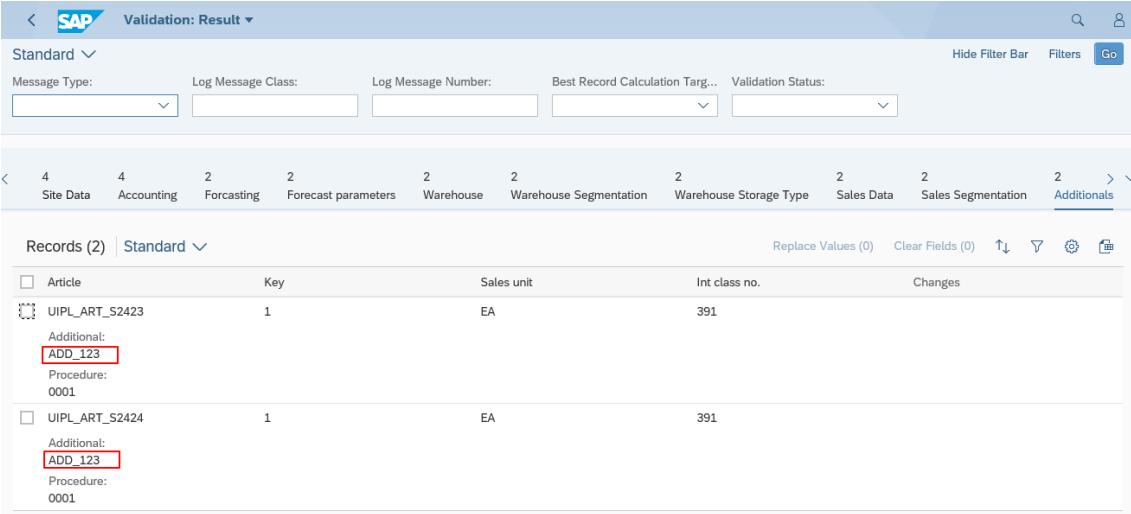
Validation Status

- Success
- Warning
- Error

New Single Records 2

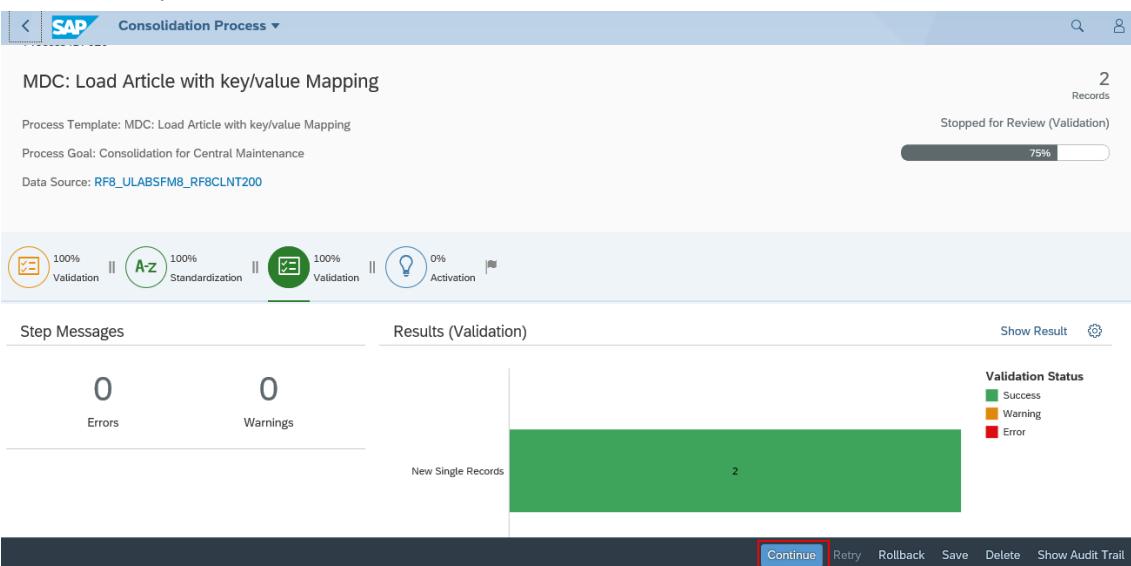
Continue Retry Rollback Save Delete Show Audit Trail

The following highlighted arrow mark shows that the material key has been replaced with the key mapped additional material.



| Article | Key | Sales unit | Int class no. | Changes |
|----------------|-------------------------------|------------|---------------|---------|
| UIPL_ART_S2423 | 1 | EA | 391 | |
| | Additional: ADD_123 | | | |
| UIPL_ART_S2424 | 1 | EA | 391 | |
| | Additional: ADD_123 | | | |
| | Procedure: 0001 | | | |

- Once all the errors are fixed, you can click on the “Continue” button to proceed with the Activation step.



| Step | Status |
|-----------------|--------|
| Validation | 100% |
| Standardization | 100% |
| Validation | 100% |
| Activation | 0% |

Step Messages

0 Errors 0 Warnings

Results (Validation)

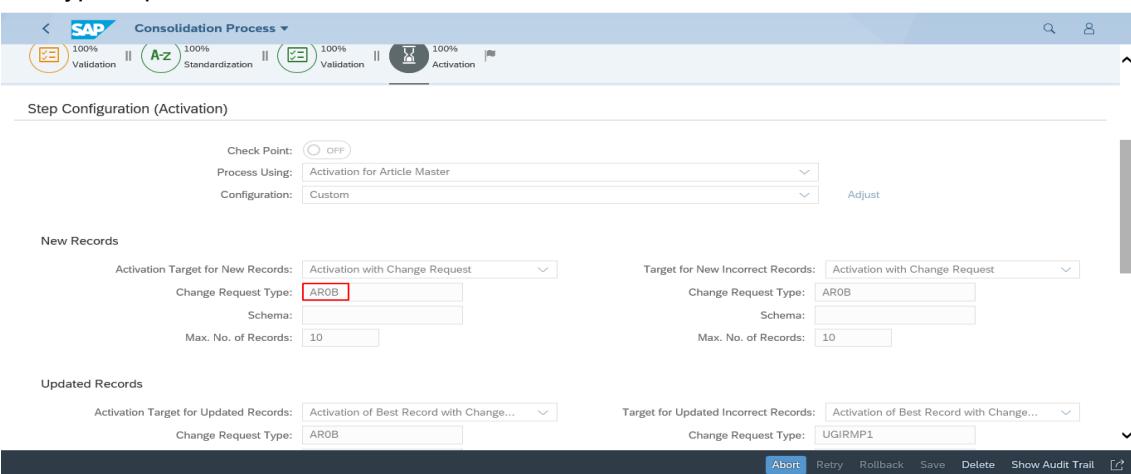
New Single Records: 2

Validation Status

- Success
- Warning
- Error

Buttons: Continue (highlighted), Retry, Rollback, Save, Delete, Show Audit Trail

Activation can be either Direct activation or through the Change Request. The Change Request is of type Import Article i.e. AR0B.



Step Configuration (Activation)

Check Point: OFF

Process Using: Activation for Article Master

Configuration: Custom

New Records

Activation Target for New Records: Activation with Change Request

Change Request Type: **AR0B**

Schema:

Max. No. of Records: 10

Updated Records

Activation Target for Updated Records: Activation of Best Record with Change...

Change Request Type: AR0B

Target for Updated Incorrect Records: Activation of Best Record with Change...

Change Request Type: UGIRMP1

Buttons: Abort, Retry, Rollback, Save, Delete, Show Audit Trail, Refresh

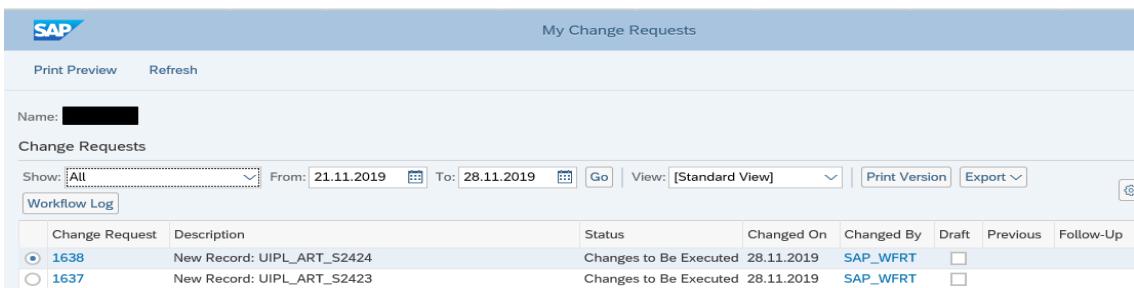
On successful Activation, the Change Request is created in MDG.

i Note

In case the direct activation option is used, the data gets created in backend and does not go through the governance process.

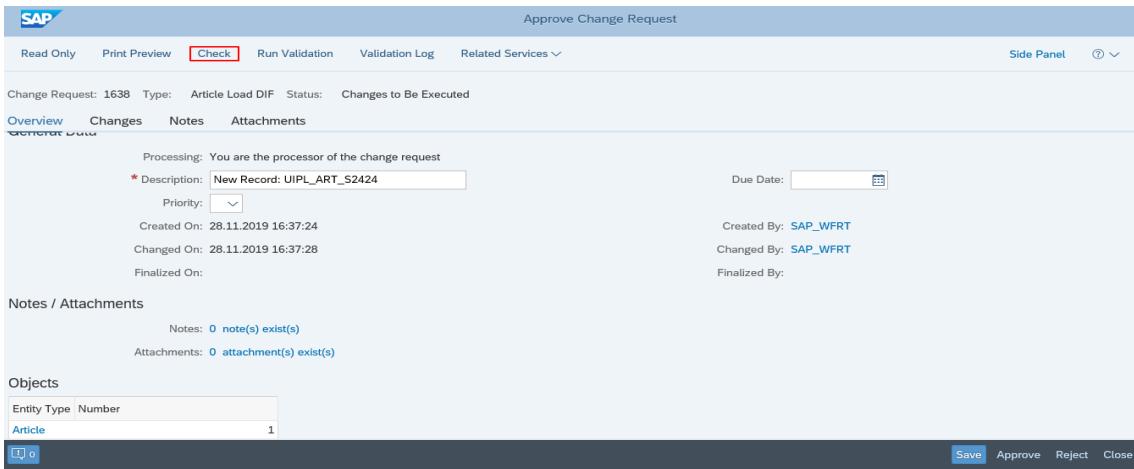
For Direct activation, if reference handling is required then send 'X' in the field REF_ART_DER_IND in the MARA_CONF table

14. Launch t-code NWBC. Use the role "/UGI4/MDGRFM_MENU" to navigate to the Change Requests created.
The CR of type AR0B is created with username as SAP_WFRT (background used).
15. To search for the Change Request created, Open NWBC then click on Reporting > My Change Requests.
16. Select show as "ALL". You can filter Change Request by using "Changed by" as "SAP_WFRT".

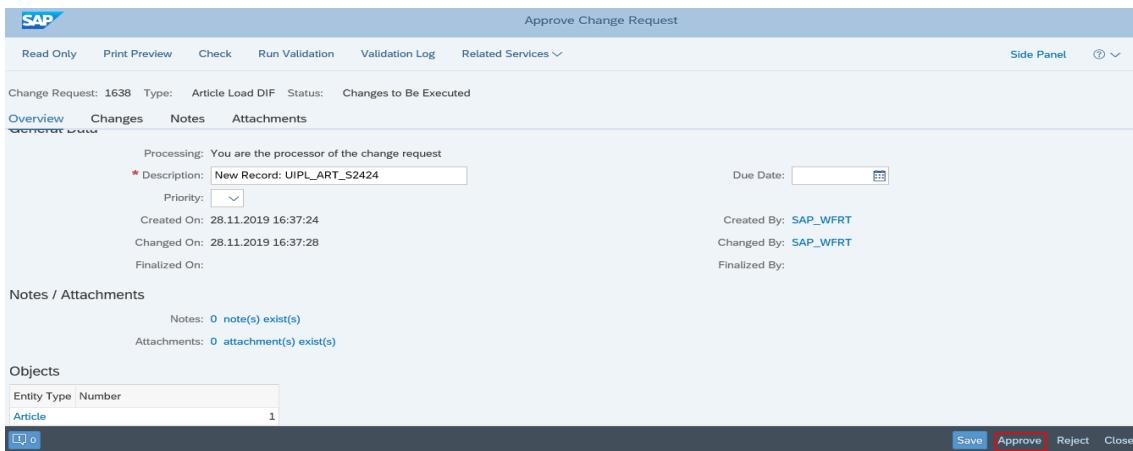


| Change Request | Description | Status | Changed On | Changed By | Draft | Previous | Follow-Up |
|----------------|----------------------------|------------------------|------------|------------|--------------------------|----------|-----------|
| 1638 | New Record: UIPL_ART_S2424 | Changes to Be Executed | 28.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1637 | New Record: UIPL_ART_S2423 | Changes to Be Executed | 28.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |

17. Open the Change Request created, click on "Check" button to perform validation. In case no errors found, the success message "No errors found" appears on the screen.



18. Click on the "Approve" button.



Approve Change Request

Change Request: 1638 Type: Article Load DIF Status: Changes to Be Executed

Overview **Changes** **Notes** **Attachments**

Processing: You are the processor of the change request

* Description: New Record: UIPL_ART_S2424

Priority:

Created On: 28.11.2019 16:37:24
Changed On: 28.11.2019 16:37:28
Finalized On:

Due Date:

Created By: SAP_WFRT
Changed By: SAP_WFRT
Finalized By:

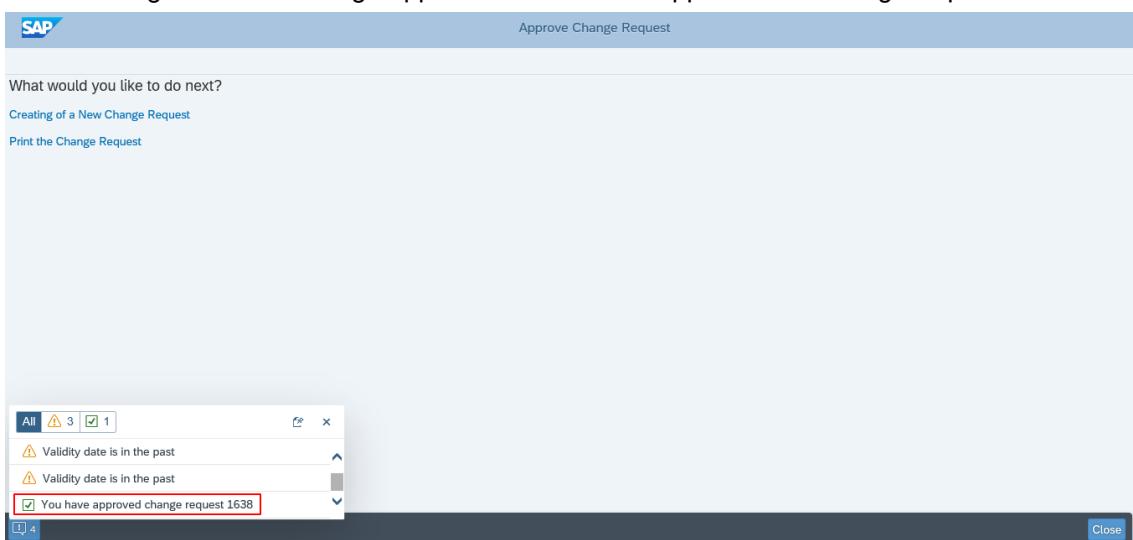
Notes / Attachments

Notes: 0 note(s) exist(s)
Attachments: 0 attachment(s) exist(s)

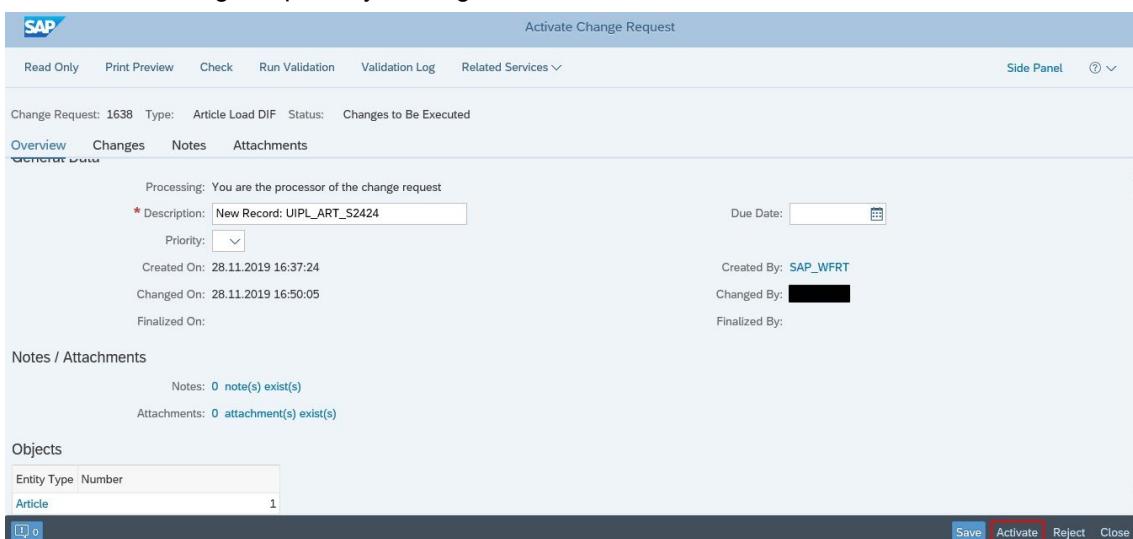
Objects

| Entity Type | Number |
|-------------|--------|
| Article | 1 |

The following success message appears as “You have approved the change request XX”.



19. Activate the change request by clicking on “Activate”.



Activate Change Request

Change Request: 1638 Type: Article Load DIF Status: Changes to Be Executed

Overview **Changes** **Notes** **Attachments**

Processing: You are the processor of the change request

* Description: New Record: UIPL_ART_S2424

Priority:

Created On: 28.11.2019 16:37:24
Changed On: 28.11.2019 16:50:05
Finalized On:

Due Date:

Created By: SAP_WFRT
Changed By: ███████████
Finalized By:

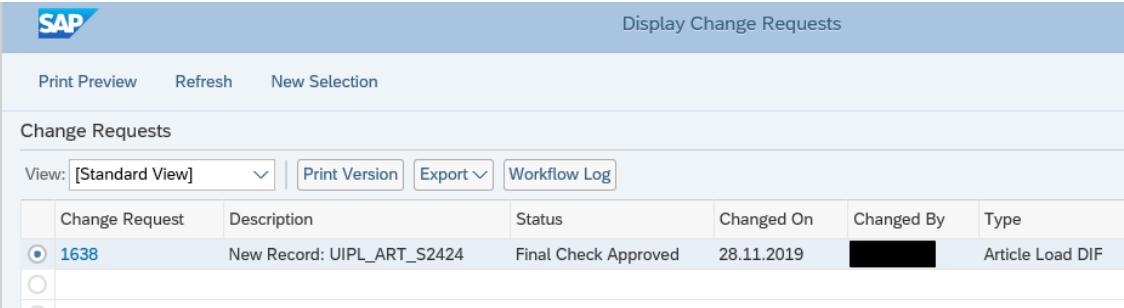
Notes / Attachments

Notes: 0 note(s) exist(s)
Attachments: 0 attachment(s) exist(s)

Objects

| Entity Type | Number |
|-------------|--------|
| Article | 1 |

20. Verify the status of the Change Request as “Final Check Approved”.

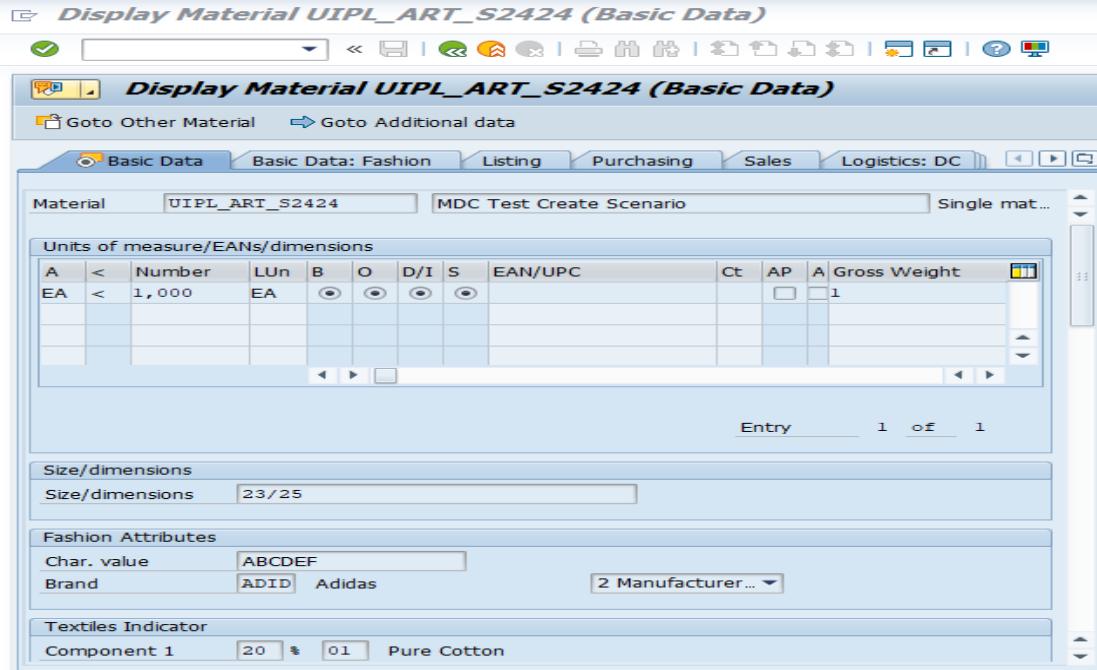


The screenshot shows the SAP Display Change Requests interface. At the top, there are buttons for Print Preview, Refresh, and New Selection. Below that is a section titled "Change Requests" with a dropdown menu set to "Standard View". There are buttons for Print Version, Export, and Workflow Log. A table lists one change request:

| Change Request | Description | Status | Changed On | Changed By | Type |
|----------------|----------------------------|----------------------|------------|------------|------------------|
| 1638 | New Record: UIPL_ART_S2424 | Final Check Approved | 28.11.2019 | [Redacted] | Article Load DIF |

- Run t-code "MM43" to view and validate the Article data created in backend system under all tabs.

The following screen displays the Article basic data.



The screenshot shows the SAP Display Material screen for article UIPL_ART_S2424. The title bar says "Display Material UIPL_ART_S2424 (Basic Data)". The main area has tabs for Basic Data, Basic Data: Fashion, Listing, Purchasing, Sales, and Logistics: DC. The Basic Data tab is selected. It shows the following details:

- Material:** UIPL_ART_S2424
- MDC Test Create Scenario:** Single mat...
- Units of measure/EANs/dimensions:**

| A | < | Number | LUn | B | O | D/I | S | EAN/UPC | Ct | AP | A | Gross Weight |
|----|---|--------|-----|---------|---------|---------|---------|---------|---------|---------|---|--------------|
| EA | < | 1,000 | EA | (radio) | (radio) | (radio) | (radio) | | (radio) | (radio) | 1 | |
- Size/dimensions:** 23/25
- Fashion Attributes:**
 - Char. value: ABCDEF
 - Brand: ADID Adidas
 - Manufacturer: 2 [dropdown]
- Textiles Indicator:** Component 1: 20%, 01, Pure Cotton

Once the Change Request is approved, the data is replicated to the connected systems through the Data Replication Framework (DRF) of MDG.

- Run t-code WE02 to view the IDocs created for the Article. The message type for Article is ARTMAS.

IDoc List

IDoc List

| IDocs | Number |
|--------------------|----------|
| Selected IDocs | 00000014 |
| Outbound IDocs | 00000014 |
| /UGB/ARTMAS0000002 | |
| /UGB/LAYMC0000001 | |
| ARTMAS | 00000007 |
| LIKOND | 00000002 |
| MMADDI | 00000002 |
| Inbound IDocs | 00000000 |

Outbound IDocs ARTMAS

| IDoc Number | Segm... | Stat... | Stat... | Partner | Basic type | Created On | Created at | Msg. Ty... | Direction | Port |
|------------------|---------|---------|---------|-----------------|------------|------------|------------|------------|-----------|------------|
| 0000000000247012 | 45 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 01:10:31 | ARTMAS | Outbox | A000000016 |
| 0000000000247017 | 30 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 04:41:44 | ARTMAS | Outbox | A000000016 |
| 0000000000247018 | 30 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 04:41:53 | ARTMAS | Outbox | A000000016 |
| 0000000000247019 | 30 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 04:41:56 | ARTMAS | Outbox | A000000016 |
| 0000000000247020 | 30 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 04:42:01 | ARTMAS | Outbox | A000000016 |
| 0000000000247021 | 30 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 04:42:05 | ARTMAS | Outbox | A000000016 |
| 0000000000247022 | 45 | 03 | ○○ | LS/ /RF8CLNT200 | ARTMAS09 | 28.11.2019 | 07:42:12 | ARTMAS | Outbox | A000000016 |

Status Message for Selected IDoc
Status Text: IDoc: 0000000000247022 Status: Data passed to port OK
T100 Text: IDoc sent to SAP system or external program

You can double-click on the IDoc number and navigate through the Data records to view the data.

Note

In case of direct activation, the IDocs are triggered immediately once the process is completed.

IDoc Display: 0000000000247022

Segments with Errors

| IDoc display | Additional infor... |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control Record | Total number: 000 |
| Data records | Segment 000001 Segment 000002 Segment 000004 Segment 000005 Segment 000006 Segment 000007 Segment 000008 Segment 000010 Segment 000012 Segment 000013 Segment 000014 Segment 000015 Segment 000016 Segment 000017 Segment 000018 Segment 000019 Segment 000020 Segment 000021 Segment 000022 Segment 000023 Segment 000024 Segment 000025 Segment 000026 Segment 000027 Segment 000028 |

Short Technical Information

| | |
|----------------|------------|
| Direction | 1 Outbox |
| Current Status | 03 ○○ |
| Basic type | ARTMAS09 |
| Extension | |
| Message Type | ARTMAS |
| Partner No. | RF8CLNT200 |
| Partn.Type | LS |
| Port | A000000016 |

Content of Selected Segment

| | |
|---------------|----------------|
| Fld Name | Fld Cont. |
| MATERIAL | UIPL_ART_S2424 |
| MATL_TYPE | VKHM |
| MATL_GROUP | MC210104 |
| MATL_CAT | 00 |
| BASIC_VIEW | X |
| LIST_VIEW | X |
| SALES_VIEW | X |
| LOGDC_VIEW | X |
| LOGST_VIEW | X |
| POS_VIEW | X |
| MATERIAL_LONG | UIPL_ART_S2424 |

Mass Change

Mass Change is used for changing the already existing active data. The Master Data Consolidation and Mass processing for RFM solutions come with separate Fiori applications for Manage Mass Processes.

Configure Process Template

Use the following steps to configure the mass change for article using MDC application.

1. Run t-code MDCIMG. Navigate to the customizing path: Master Data Governance, Consolidation and Mass Processing > Specify Adapters.
2. Ensure that the following adapters are available to be used for Article.

| Display View "Master Data Consolidation: Configuration of Adapters": O | | | |
|------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------------------|
| BO Type | Step Type | Process Step Adapter | Adapter Description |
| DRF_0017 | ACT Activation | /UGI4/CL_MDC_ADAPTER_RFM_ACT | Activation for Article Master |
| DRF_0017 | BRC Best Record Calculation | /UGI4/CL_MDC_ADAPTER_RFM_BRC | Material Best Record Calculation |
| DRF_0017 | EDI Edit | /CL_MDC_ADAPTER_EDIT | Interactive Mass Processing |
| DRF_0017 | EVA Evaluation | /CL_MDC_RULE_EVALUATION_ADAPTER | Adapter for Data Quality Evaluation |
| DRF_0017 | FAR Filter & Remove | /CL_MDC_ADAPTER_FAR | Filter & Remove |
| DRF_0017 | MTC Matching | /UGI4/CL_MDC_ADAPTER_RFM_MTC | Material Matching (Old Material Number) |
| DRF_0017 | MTC Matching | /CL_MDC_ADAPTER_FUZZY_MTC | HANA fuzzy search |
| DRF_0017 | MTC Matching | /CL_MDC_ADAPTER_MTC | New HANA fuzzy search |
| DRF_0017 | REP Replication | /UGI4/CL_MDC_ADAPTER_RFM_REP | MDC Material Replication via DRF |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_AR_KEYMAP | Evaluate Key Mapping for Material |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_RFM_VALMAP | Evaluate Value Mapping for Material |
| DRF_0017 | STD Standardization | /CL_MDC_ADAPTER_BRF_STD | BRplus |
| DRF_0017 | VAL Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | Article Master Validations (Business Suite) |

3. Run t-code MDCIMG. Navigate through the customizing path: Master Data Governance, Consolidation and Mass Processing> Configure Process Template > Specify Process Template.
4. Use the following steps to create the process template for the mass change:
 - Click on New Entries
 - Provide the name of the template.
 - Provide the description for the template.
 - Assign the BO type as “DRF_0017”.
 - Assign the workflow template as “WS54500001”.
 - Make sure that the process goal is selected as “U- Mass Processing”.
 - Ensure that at least one of the templates is marked as “Default” template.
 - The “Delete Source” checkbox and Strategy are disabled for the mass change process goal.

 Note

You can also activate the BC-Set “/UGI4/MDC_RFMP_CONFIG_1909” for the following default configuration.

| Display View "Process Template": Overview | | | | | | | |
|-------------------------------------------|---------------------------------|----------|------------------|-------------------|--------------|-------------------|-------------------------------------|
| Dialog Structure | Process Template | | | | | | |
| Proc Tmpl | Description | BO Type | Description | Process Workfl... | Name | Process Goal | Default Te... |
| UGI_RF_MAS | MDC: Change Article Master Data | DRF_0017 | Article (Retail) | WS54500001 | MDC Workflow | U Mass Processing | <input checked="" type="checkbox"/> |

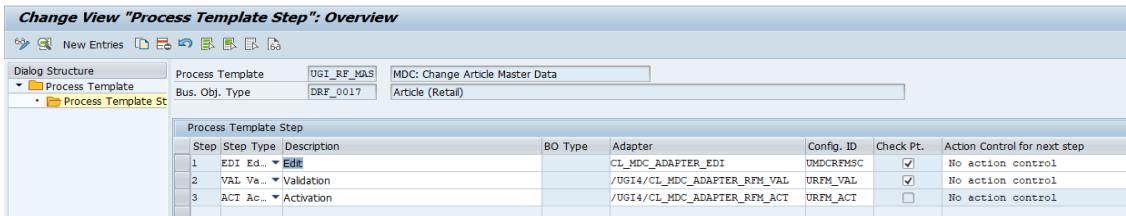
5. Use the following steps to configure the process template steps:
 - Mark the process template and click on the path “Process Template Steps”.
 - Click on “New entries” button.
 - Provide the Step Number and Step sequence in order of occurrence of steps.

 Note

Ensure that the steps are defined in the logically accepted manner. Refer to Configuration Guide on MDC for order details.

- Choose the appropriate “Process Step Type” from the drop down.
- Choose the adapter registered against the corresponding BO type.
- Choose the Configuration ID, if any for the adapter.
- Mark the “Check Point Active” checkbox to make the process stop after the step.
- Choose the suitable Process Action CTRL from the drop down.

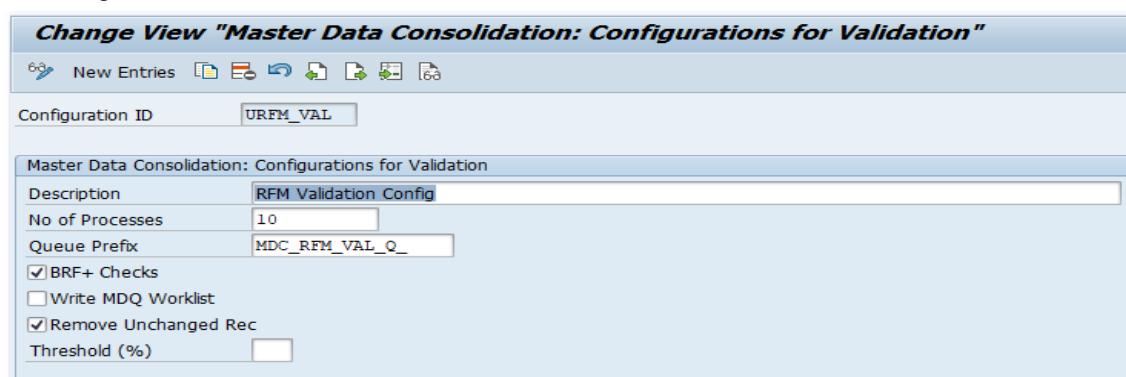
Change View "Process Template Step": Overview



| Step | Step Type | Description | BO Type | Adapter | Config. ID | Check Pt. | Action Control for next step |
|------|-----------|-------------|---------|------------------------------|------------|-------------------------------------|------------------------------|
| 1 | EDI Ed. | EDI | | CL_MDC_ADAPTER_EDI | UMDCRFMSC | <input checked="" type="checkbox"/> | No action control |
| 2 | VAL Va... | Validation | | /UGI4/CL_MDC_ADAPTER_RFM_VAL | URFM_VAL | <input checked="" type="checkbox"/> | No action control |
| 3 | ACT Ac... | Activation | | /UGI4/CL_MDC_ADAPTER_RFM_ACT | URFM_ACT | <input type="checkbox"/> | No action control |

The Config ID field as displayed in the above screen is defined in the IMG path. Validation can be configured for MDG checks and BRF+.

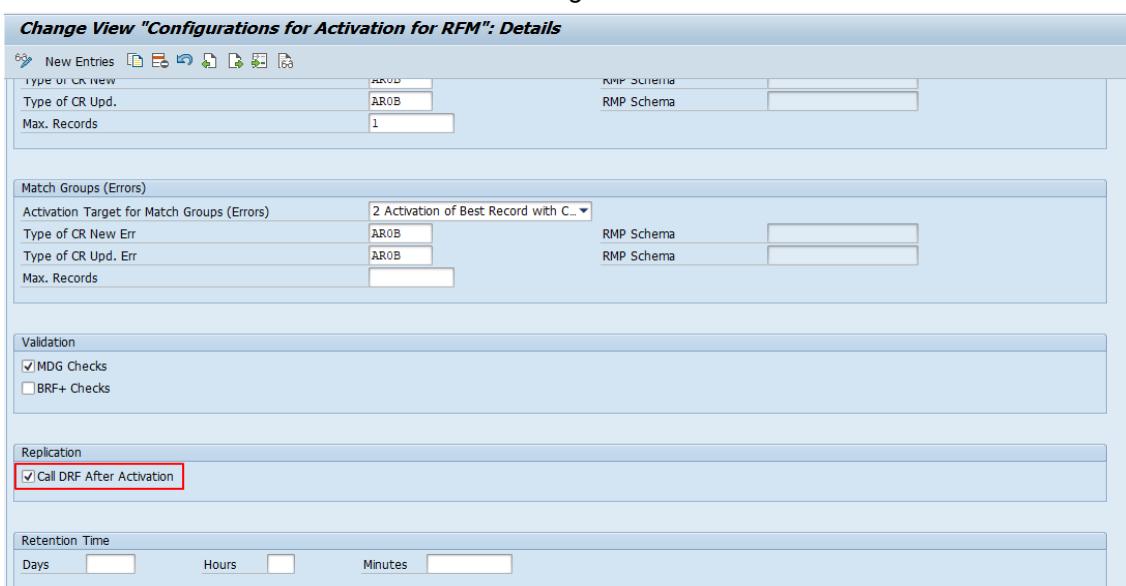
Change View "Master Data Consolidation: Configurations for Validation"



| | |
|----------------------------------------------------------|-----------------------|
| Configuration ID | URFM_VAL |
| Master Data Consolidation: Configurations for Validation | |
| Description | RFM Validation Config |
| No of Processes | 10 |
| Queue Prefix | MDC_RFM_VAL_Q_ |
| <input checked="" type="checkbox"/> BRF+ Checks | |
| <input type="checkbox"/> Write MDQ Worklist | |
| <input checked="" type="checkbox"/> Remove Unchanged Rec | |
| Threshold (%) | |

6. Replication is integrated with the Activation step for Direct Activation. The following indicated checkbox should be marked for the IDocs to be generated after successful activation.

Change View "Configurations for Activation for RFM": Details



| | | | |
|---------------------------------------------------------------|---------------------------------------|------------|--|
| Type or CR NEW | AROB | RMP Schema | |
| Type of CR Upd. | AROB | RMP Schema | |
| Max. Records | 1 | | |
| Match Groups (Errors) | | | |
| Activation Target for Match Groups (Errors) | 2 Activation of Best Record with C... | | |
| Type of CR New Err | AROB | RMP Schema | |
| Type of CR Upd. Err | AROB | RMP Schema | |
| Max. Records | | | |
| Validation | | | |
| <input checked="" type="checkbox"/> MDG Checks | | | |
| <input type="checkbox"/> BRF+ Checks | | | |
| Replication | | | |
| <input checked="" type="checkbox"/> Call DRF After Activation | | | |
| Retention Time | | | |
| Days | | Hours | |
| Minutes | | | |

Perform Mass Processing

Direct Change

Use the following steps to perform the mass change for article using MDC.

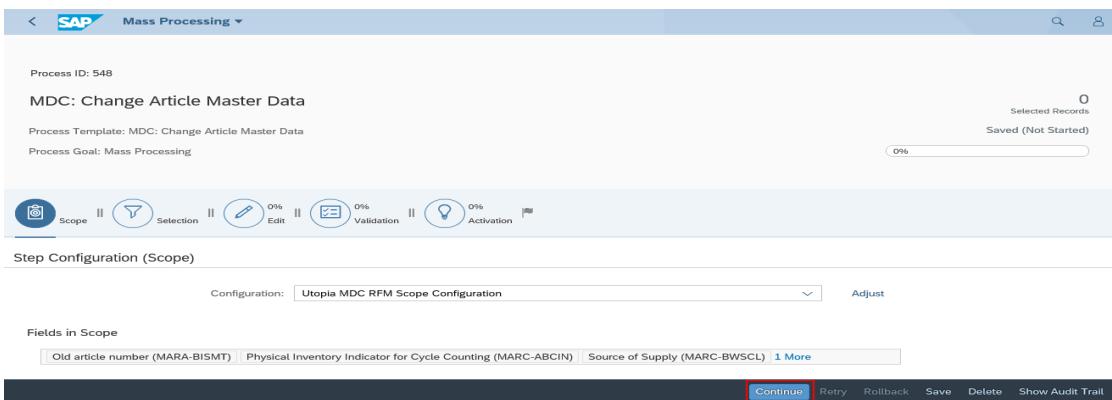
1. Launch Fiori launchpad using t-code "/UI2/FLP".
2. Run the application "Start Mass Processing" by following path: Manage Mass Processes->Create Process. The default template gets loaded on the initial screen. You can choose the suitable template from the drop down.



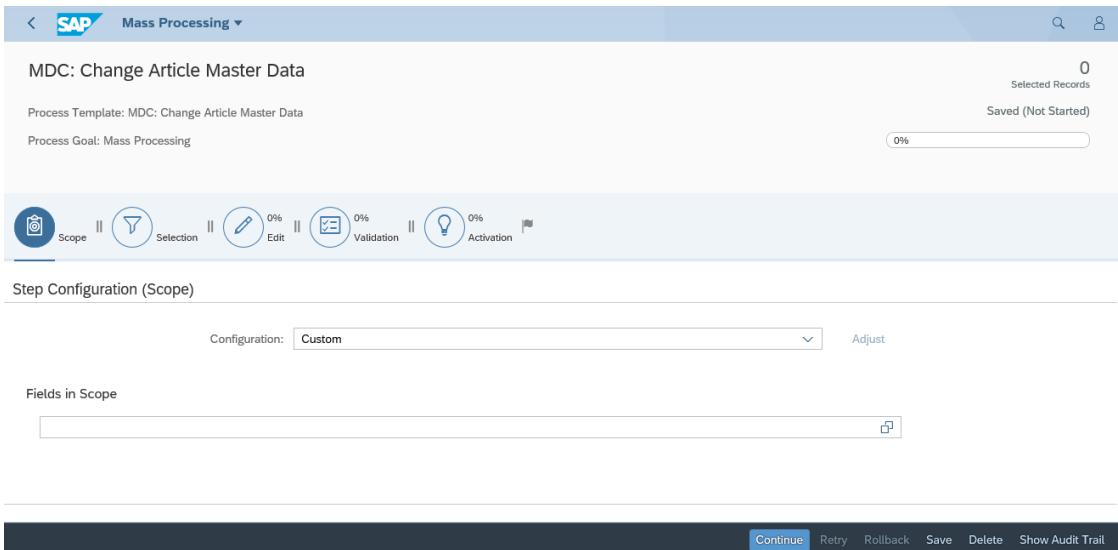
3. Click on the "Browse" button and choose the file to be uploaded for mass change.
4. Click on "Save" button.



This launches a new process ID. The configured steps appear in the sequential manner.



You can also select configuration as Custom and press F4 help.



MDC: Change Article Master Data

Process Template: MDC: Change Article Master Data

Process Goal: Mass Processing

Selected Records: 0
Saved (Not Started): 0%

Scope || Selection || Edit 0% || Validation 0% || Activation 0%

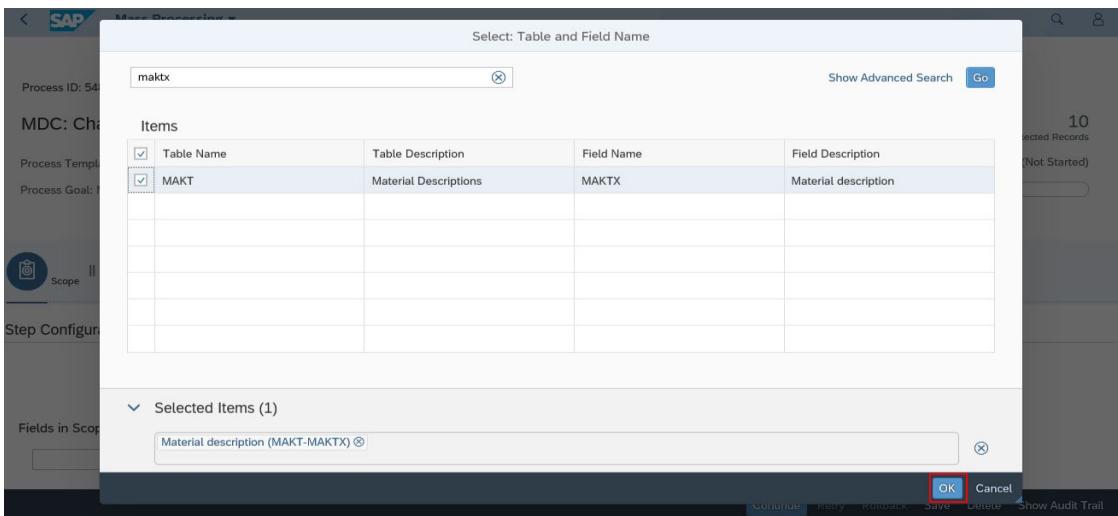
Step Configuration (Scope)

Configuration: Custom Adjust

Fields in Scope

Continue Retry Rollback Save Delete Show Audit Trail

5. Select any field and click on “OK” button.



Select: Table and Field Name

maktx

Show Advanced Search Go

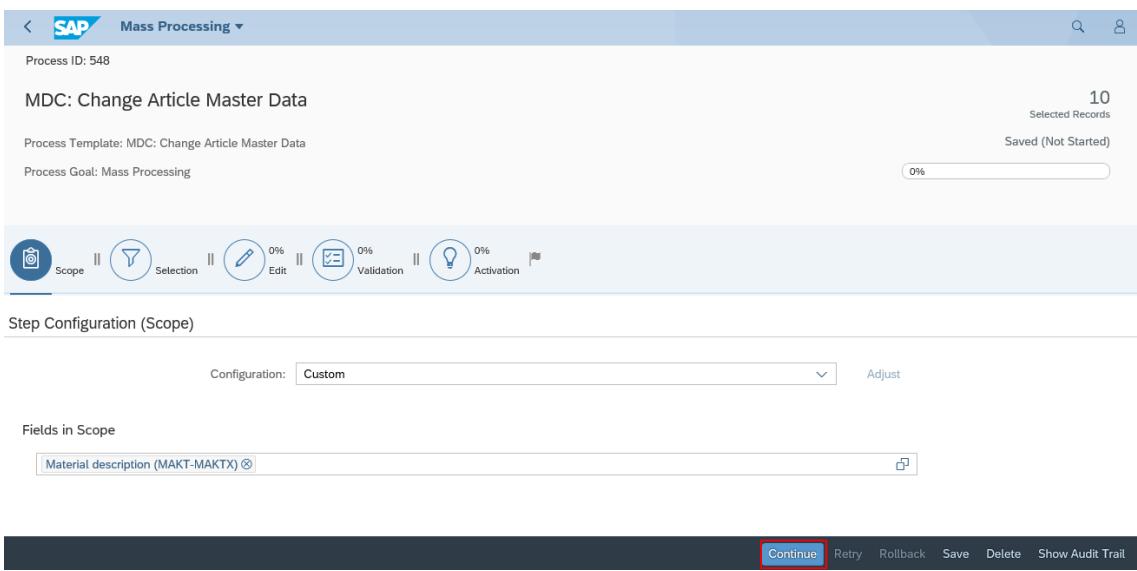
| Table Name | Table Description | Field Name | Field Description |
|-------------------------------------------|-----------------------|------------|----------------------|
| <input checked="" type="checkbox"/> MAKTX | Material Descriptions | MAKTX | Material description |

Selected Items (1)

Material description (MAKT-MAKTX)

OK Cancel Continue Retry Rollback Save Delete Show Audit Trail

6. Click on “Continue” button.



Process ID: 548

MDC: Change Article Master Data

Process Template: MDC: Change Article Master Data

Process Goal: Mass Processing

Selected Records: 10
Saved (Not Started): 0%

Scope || Selection || Edit 0% || Validation 0% || Activation 0%

Step Configuration (Scope)

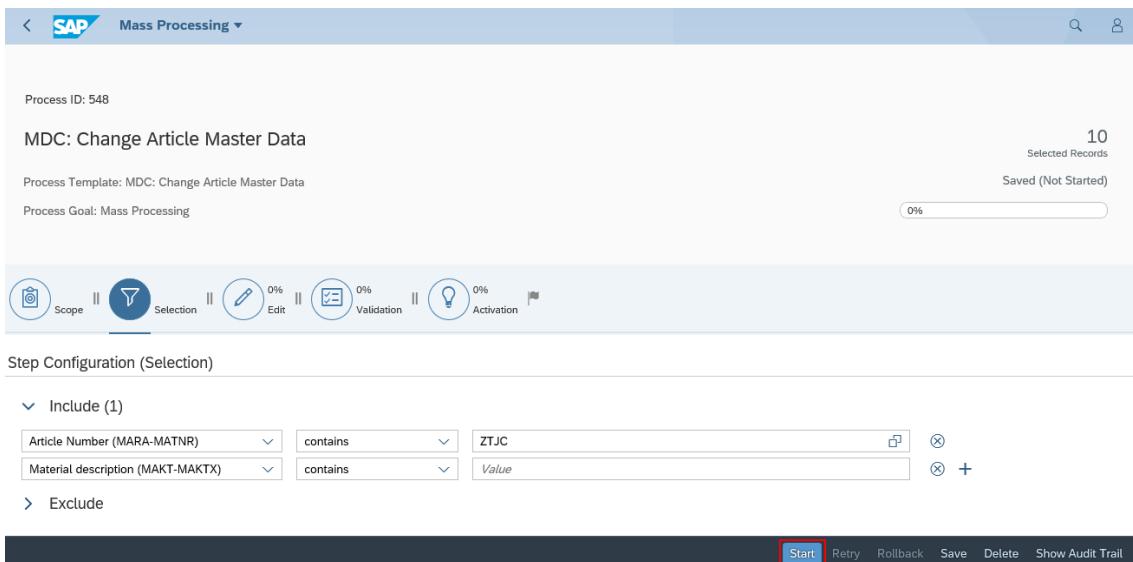
Configuration: Custom Adjust

Fields in Scope

Material description (MAKT-MAKTX)

Continue Retry Rollback Save Delete Show Audit Trail

The following screen appears to provide the selection criteria. To perform an inclusive search, provide the selection criteria under the “Include” tab. For Exclusive criteria, provide the criteria under the “Exclude” tab.



Process ID: 548

MDC: Change Article Master Data

Process Template: MDC: Change Article Master Data

Process Goal: Mass Processing

Selected Records: 10
Saved (Not Started): 0%

Step Configuration (Selection)

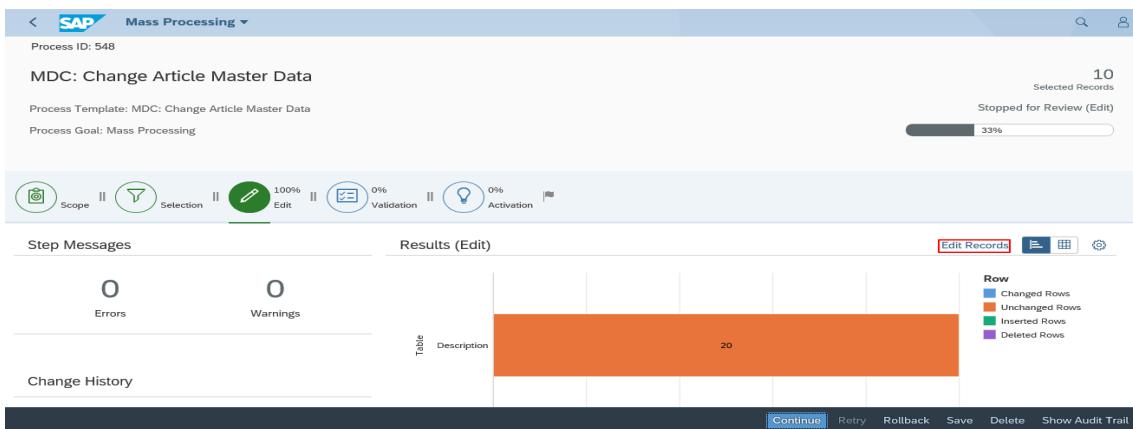
- Include (1)

| | | |
|-----------------------------------|----------|-------|
| Article Number (MARA-MATNR) | contains | ZTJC |
| Material description (MAKT-MAKTX) | contains | Value |
- Exclude

Start | Retry | Rollback | Save | Delete | Show Audit Trail

A new process ID is created.

- Click on “Edit Records” link to view and change the data.



Process ID: 548

MDC: Change Article Master Data

Process Template: MDC: Change Article Master Data

Process Goal: Mass Processing

Selected Records: 10
Stopped for Review (Edit): 33%

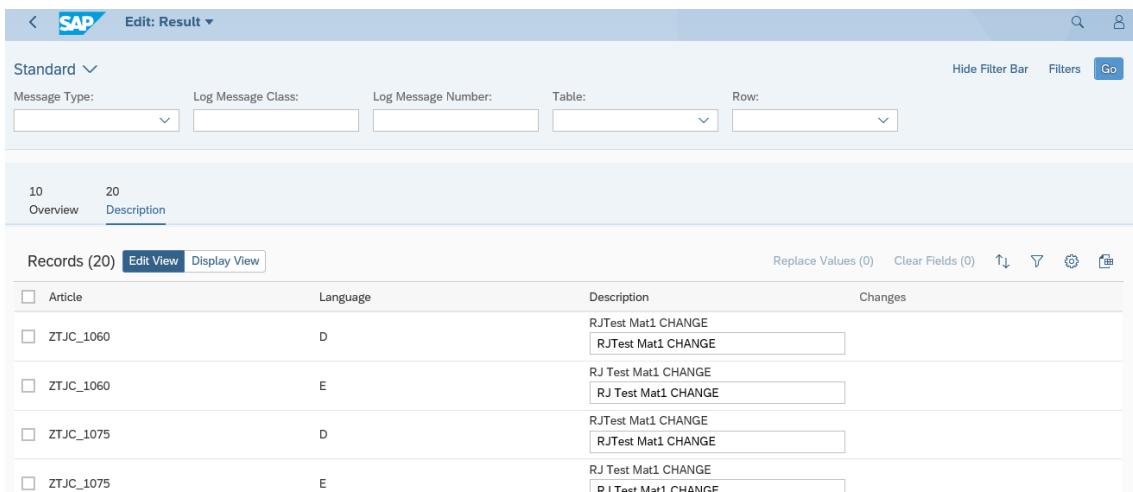
Step Messages

Results (Edit)

Edit Records | Continue | Retry | Rollback | Save | Delete | Show Audit Trail

| Table | Description | Row |
|-------|-------------|----------------|
| | 20 | Changed Rows |
| | | Unchanged Rows |
| | | Inserted Rows |
| | | Deleted Rows |

The following screen shows the Article screens available for changes.



Standard ▾

Message Type: Log Message Class: Log Message Number: Table: Row:

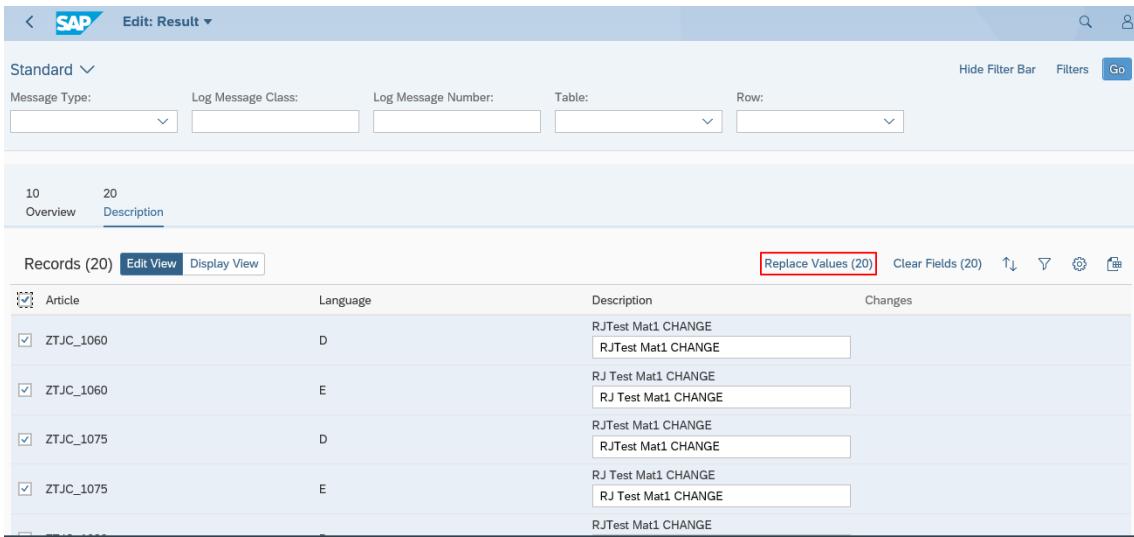
Hide Filter Bar | Filters | Go

10 Overview 20 Description

Records (20) | Edit View | Display View | Replace Values (0) | Clear Fields (0) |    

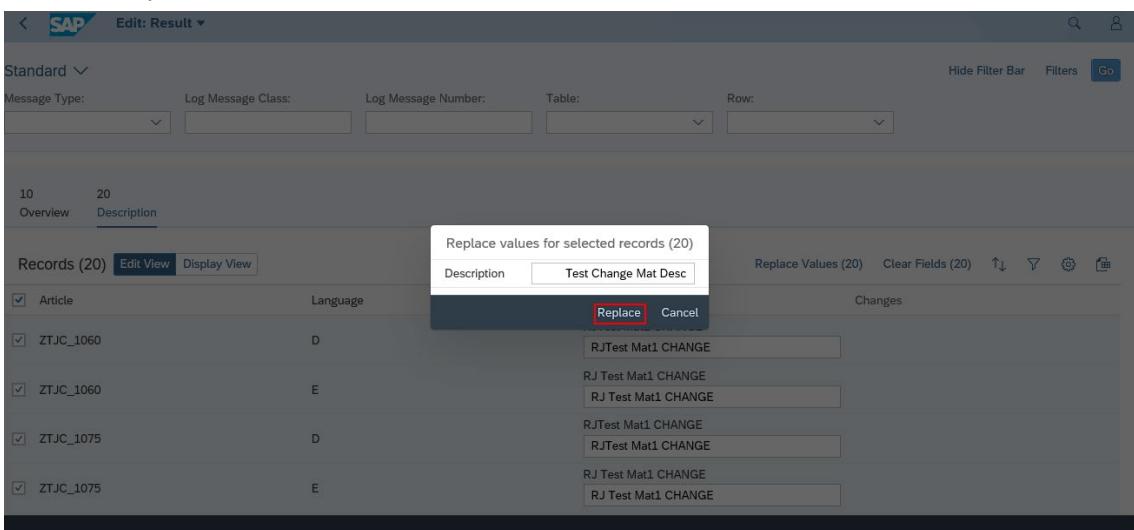
| Article | Language | Description | Changes |
|-----------|----------|---------------------|---------------------|
| ZTJC_1060 | D | RJTest Mat1 CHANGE | RJTest Mat1 CHANGE |
| ZTJC_1060 | E | RJ Test Mat1 CHANGE | RJ Test Mat1 CHANGE |
| ZTJC_1075 | D | RJTest Mat1 CHANGE | RJTest Mat1 CHANGE |
| ZTJC_1075 | E | RJ Test Mat1 CHANGE | RJ Test Mat1 CHANGE |

8. To change the value for field, say Inventory no, mark the required rows or click on the topmost row to select all the rows. Once the selection is made, click on the “Replace Values” button.



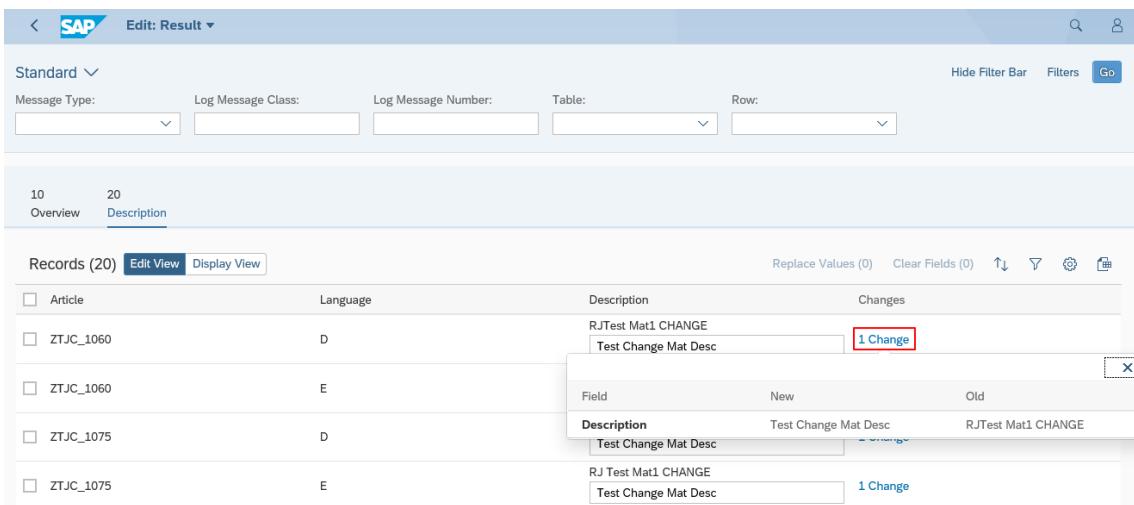
The screenshot shows the SAP Fiori interface for 'Edit: Result'. At the top, there are fields for 'Message Type', 'Log Message Class', 'Log Message Number', 'Table', and 'Row'. Below these are buttons for '10 Overview' and '20 Description'. The main area displays a table titled 'Records (20)'. The columns are 'Article', 'Language', 'Description', and 'Changes'. Several rows are selected, and their 'Description' fields are highlighted. A red box highlights the 'Replace Values (20)' button at the top right of the table area.

9. Enter the value or choose from the F4 help against the field.
10. Click on “Replace” button once the value has been entered.



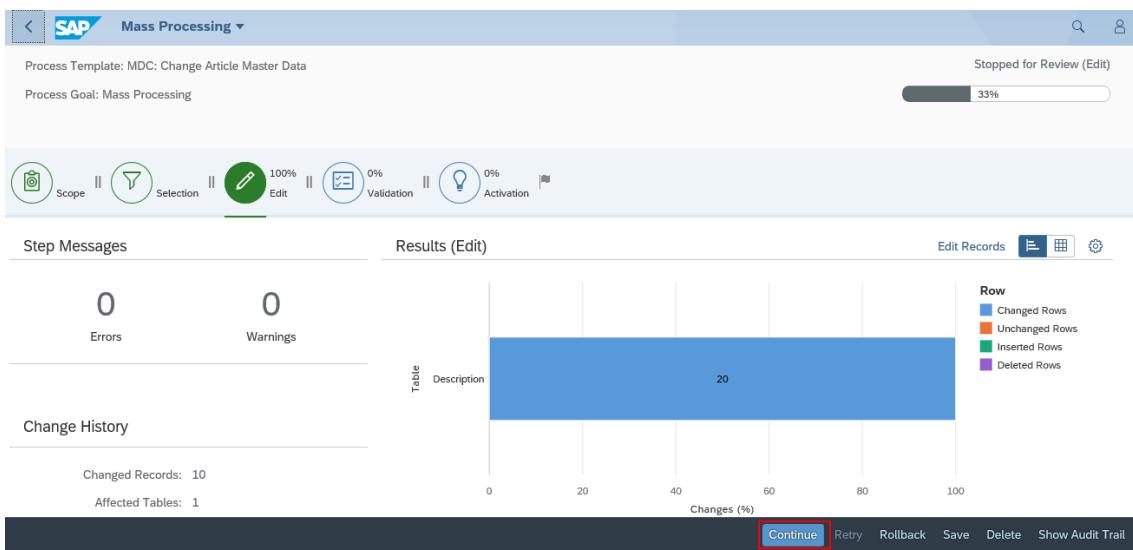
This screenshot shows the same SAP Fiori interface as above, but with a modal dialog box in the center. The dialog is titled 'Replace values for selected records (20)' and contains a table with two columns: 'Description' and 'Test Change Mat Desc'. The 'Test Change Mat Desc' column contains the new value 'RJ Test Mat1 CHANGE'. At the bottom of the dialog is a 'Replace' button, which is highlighted with a red box. The background of the SAP screen is dimmed.

You can see the values have been updated on the UI for the “Description” field by clicking on “Change” link.



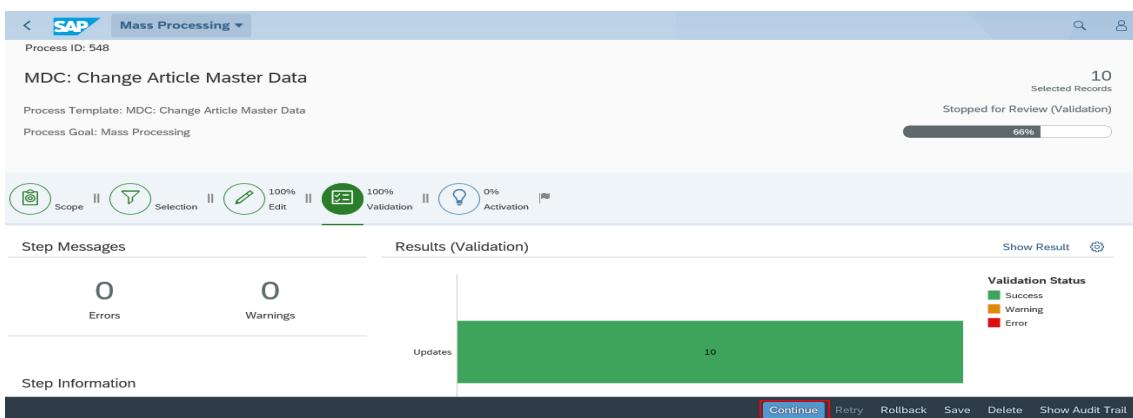
This screenshot shows the SAP Fiori interface again, with the 'Description' table now reflecting the changes. The 'Description' column for the selected rows now shows 'Test Change Mat Desc'. A red box highlights the '1 Change' indicator in the 'Changes' column for the first selected row. The SAP interface is fully visible again.

11. Click on back () button to go back to the main screen of process ID. Click on “Continue” button to proceed to the next step i.e. validation.



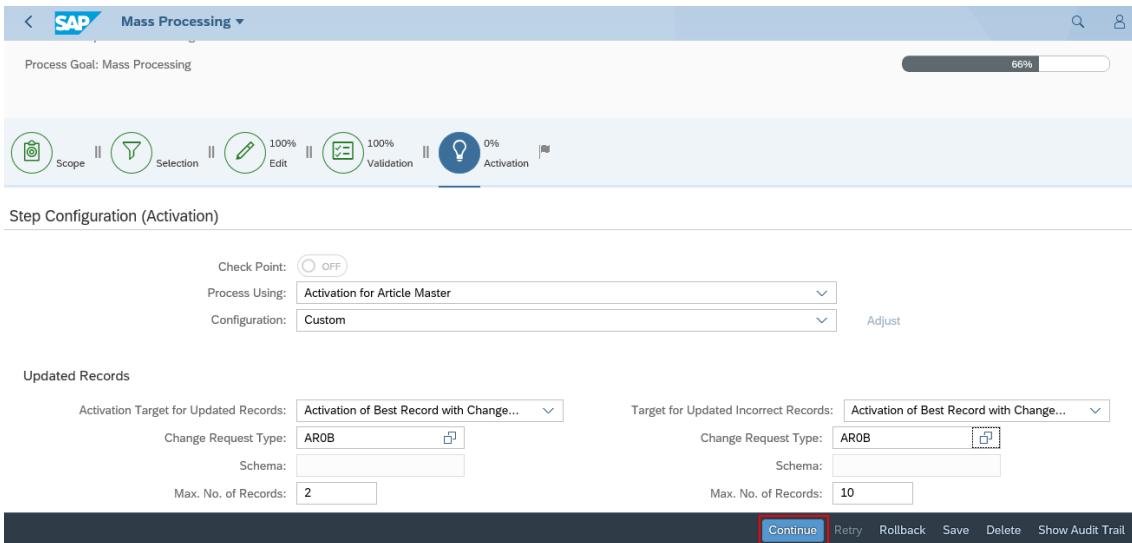
12. You can also configure the MDG BAdI validations and BRFplus checks at this step based on the business requirement.

The records are shown in the graph with different color conventions as shown in the following screen.



In case of erroneous records, navigate to the link “Show Result”. You can review and change the data in corresponding tabs.

13. Click on “Continue” button to proceed to the next step i.e. Activation.
 14. Activation of records can be either direct or through Change Request type AR0B.



Process Goal: Mass Processing

66%

Scope Selection Edit Validation Activation

Step Configuration (Activation)

Check Point: OFF

Process Using: Activation for Article Master

Configuration: Custom

Updated Records

Activation Target for Updated Records: Activation of Best Record with Change...

Change Request Type: AR0B

Schema:

Max. No. of Records: 2

Target for Updated Incorrect Records: Activation of Best Record with Change...

Change Request Type: AR0B

Schema:

Max. No. of Records: 10

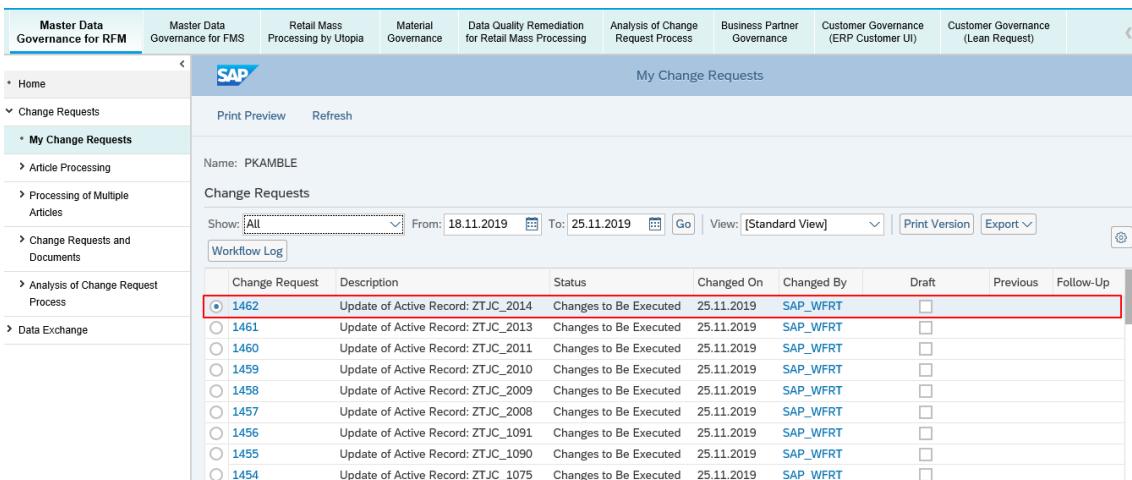
Continue Retry Rollback Save Delete Show Audit Trail

On successful Activation, the Change Request is created in MDG.

Note

In case the direct activation option is used, the data gets created in backend and does not go through the governance process.

15. Launch t-code NWBC. Use the role “/UGI4/MDGRFM_MENU” to navigate to the Change Requests created. The CR of type AR0B is created with username as SAP_WFRT (background used).
16. To search for the Change Request created, open NWBC then click on Reporting > My change requests.
17. Select show as “ALL”. You can filter Change Requests with changed by as “SAP_WFRT”.
18. Click on the Change Request “1462” to open the Change Request.



Master Data Governance for RFM Master Data Governance for FMS Retail Mass Processing by Utopia Material Governance Data Quality Remediation for Retail Mass Processing Analysis of Change Request Process Business Partner Governance Customer Governance (ERP Customer UI) Customer Governance (Lean Request)

My Change Requests

Name: PKAMBLE

Show: All From: 18.11.2019 To: 25.11.2019 Go View: [Standard View] Print Version Export

| Change Request | Description | Status | Changed On | Changed By | Draft | Previous | Follow-Up |
|----------------|------------------------------------|------------------------|------------|------------|--------------------------|----------|-----------|
| 1462 | Update of Active Record: ZTJC_2014 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1461 | Update of Active Record: ZTJC_2013 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1460 | Update of Active Record: ZTJC_2011 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1459 | Update of Active Record: ZTJC_2010 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1458 | Update of Active Record: ZTJC_2009 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1457 | Update of Active Record: ZTJC_2008 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1456 | Update of Active Record: ZTJC_1091 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1455 | Update of Active Record: ZTJC_1090 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |
| 1454 | Update of Active Record: ZTJC_1075 | Changes to Be Executed | 25.11.2019 | SAP_WFRT | <input type="checkbox"/> | | |

19. Click on "Display Changes" button to view the change documents of the Change Request.

SAP Approve Change Request

Change Request: 1462 Type: Article Load DIF Status: Changes to Be Executed

Overview Changes Notes Attachments

Show Objects of Entity Type: Article

Article: Objects to Be Changed

| | | Description | Changed |
|-------------------------------------|-----------|----------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Article | | |
| <input checked="" type="checkbox"/> | ZTJC_2014 | Test Change Mat Desc | <input checked="" type="checkbox"/> |

Display Changes

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

Refresh

Save Approve Reject Close

The following screen shows the change documents of the Change Request.

| Description (medium text) | RJTest Mat1 CHANGE | Test Change Mat Desc |
|---------------------------|--------------------|----------------------|
| | | |

20. Open the Change Request created, click on “Check” button to perform validation.

SAP Approve Change Request

Change Request: 1462 Type: Article Load DIF Status: Changes to Be Executed

Overview Changes Notes Attachments

Show Objects of Entity Type: Article

Article: Objects to Be Changed

| | | Description | Changed |
|-------------------------------------|-----------|----------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Article | | |
| <input checked="" type="checkbox"/> | ZTJC_2014 | Test Change Mat Desc | <input checked="" type="checkbox"/> |

Display Changes

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

Refresh

Save Approve Reject Close

21. Click on the “Approve” button.

SAP Approve Change Request

Change Request: 1462 Type: Article Load DIF Status: Changes to Be Executed

Overview Changes Notes Attachments

Processor Data

Processing: You are the processor of the change request

* Description: Update of Active Record: ZTJC_2014

Priority:

Created On: 25.11.2019 14:50:07

Changed On: 25.11.2019 14:50:10

Finalized On:

Notes / Attachments

Notes: 0 note(s) exist(s)

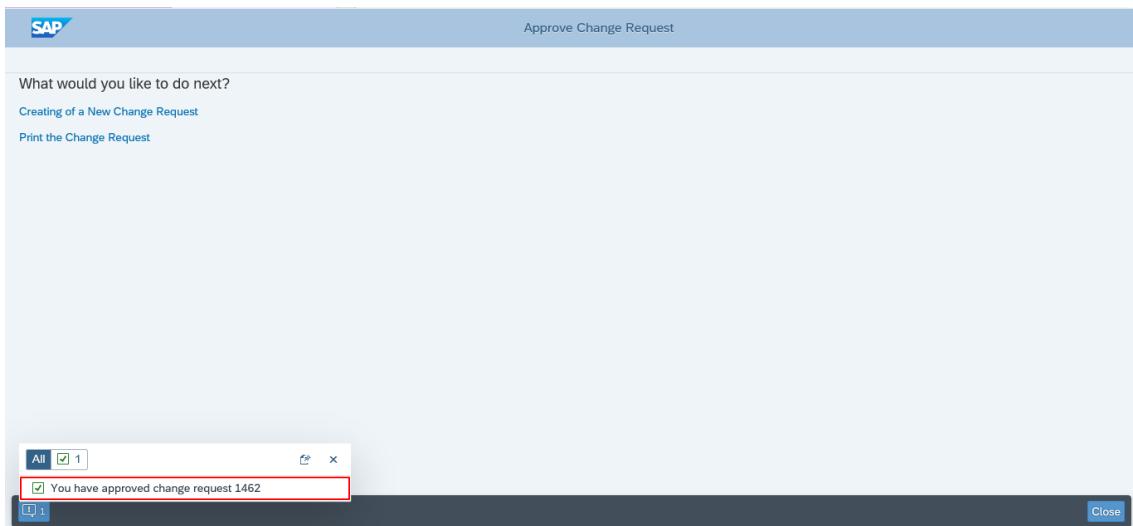
Attachments: 0 attachment(s) exist(s)

Objects

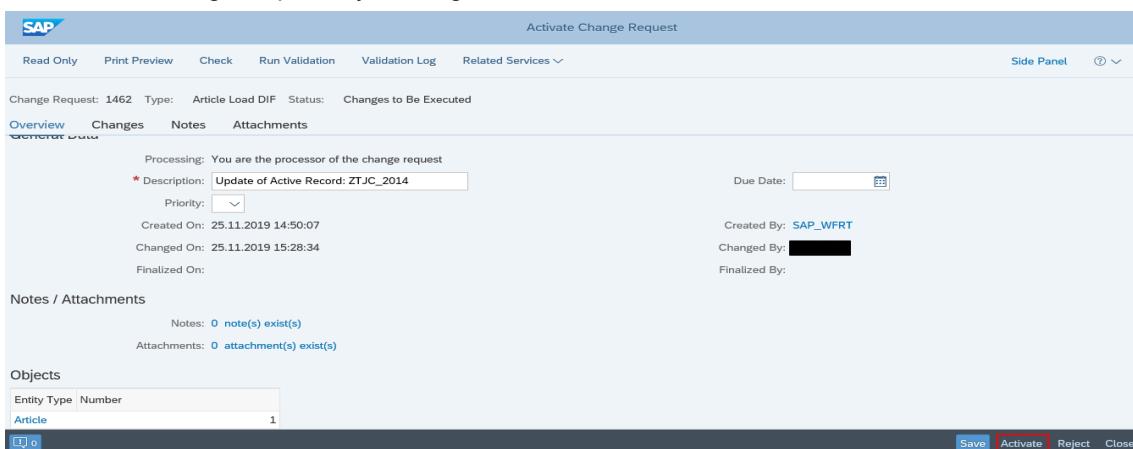
| | |
|-------------|--------|
| Entity Type | Number |
| Article | 1 |

Save Approve Reject Close

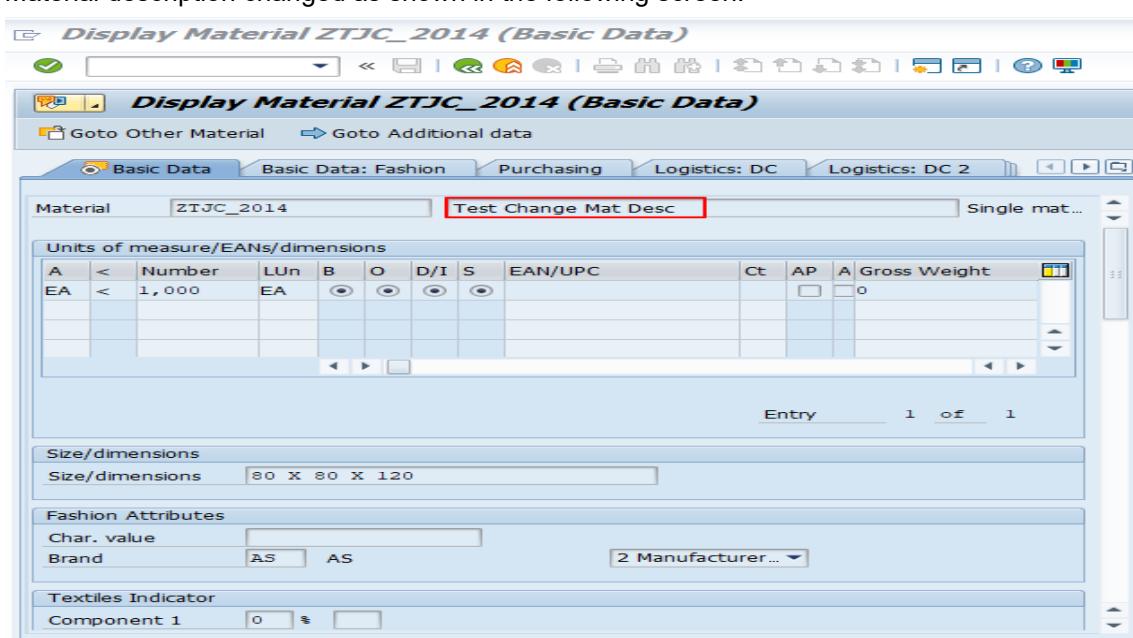
The following success message appears as “You have approved the change request XX”.



22. Activate the change request by clicking on “Activate”.



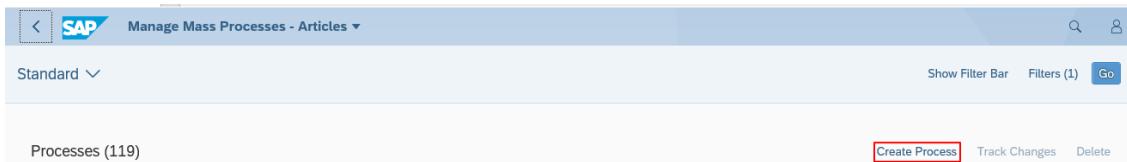
Material description changed as shown in the following screen.



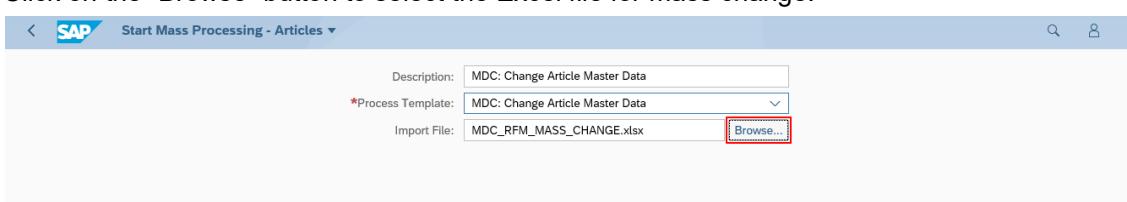
Mass Change Using Excel

You can use the "Manage Mass Processes - Articles" application to access the process IDs created for Article mass processing.

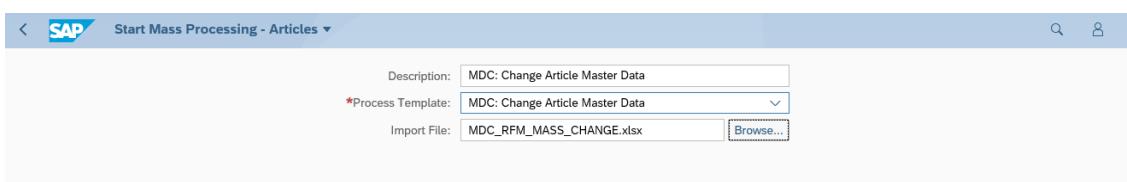
- Run t-code "/UI2/FLP" and run the application "Start Mass Processing" by following path:
Manage Mass Processes->Create Process.



- Choose the process template from the drop down.
- Click on the "Browse" button to select the Excel file for mass change.

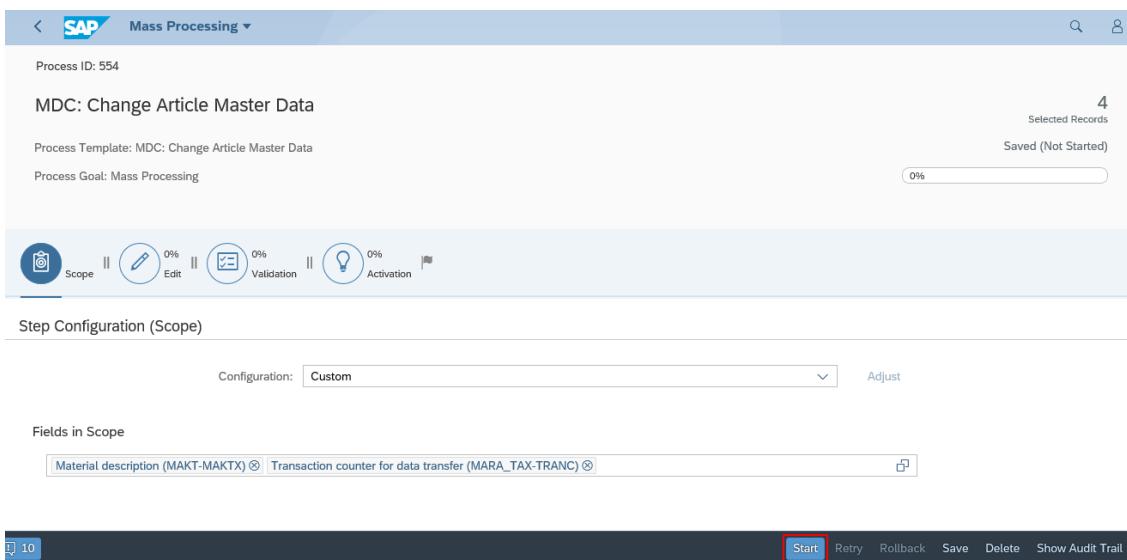


- Click on "Save" button.



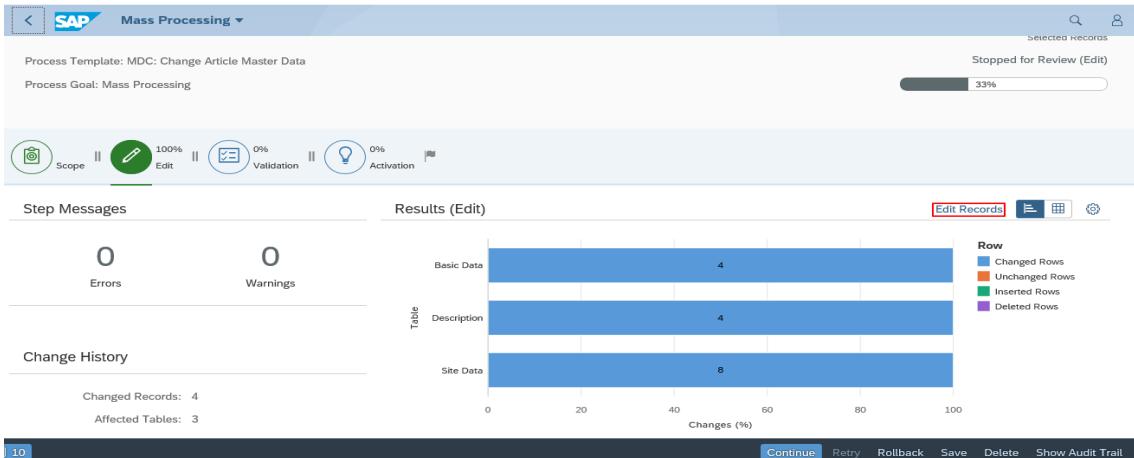
A new process ID is created.

- Click on "Start" button to initiate the process as shown in the following screen.



The graph shows the changed, deleted, inserted, deleted records with different color conventions.

- You can review and change the erroneous records by clicking on the "Edit Records" link and navigating to the corresponding tab.



The screenshot shows the SAP Mass Processing interface for the 'Change Article Master Data' process. At the top, it displays 'Process Template: MDC: Change Article Master Data' and 'Process Goal: Mass Processing'. Below this, there are four status icons: Scope (green), Edit (green), Validation (blue), and Activation (blue). The 'Edit' icon is highlighted with a green border.

Step Messages:

- Errors: 0
- Warnings: 0

Results (Edit):

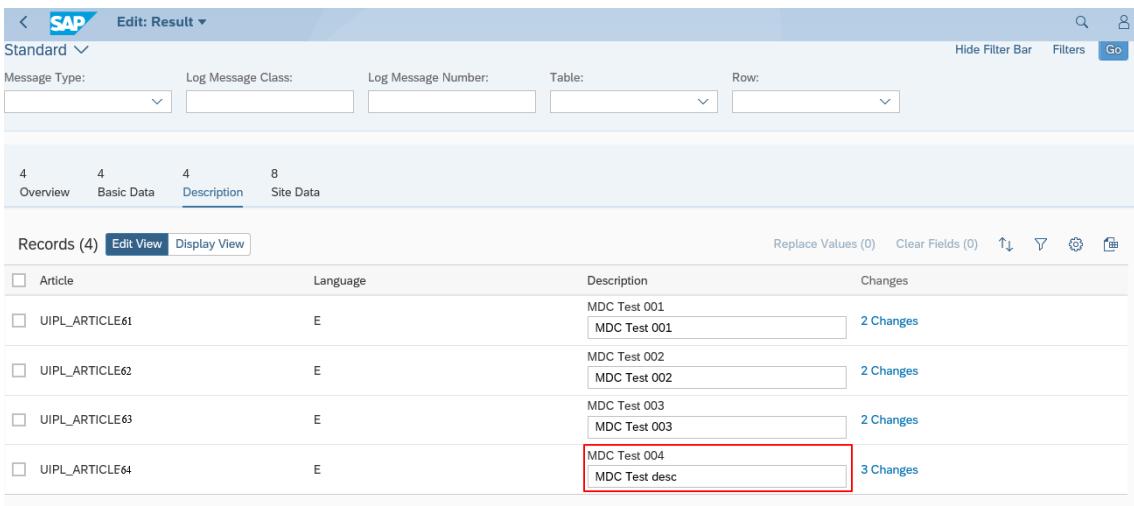
| Table | Changes (%) |
|-------------|-------------|
| Basic Data | 4 |
| Description | 4 |
| Site Data | 8 |

Change History:

Changed Records: 4
Affected Tables: 3

Buttons at the bottom: Continue, Retry, Rollback, Save, Delete, Show Audit Trail.

The following screen shows the “Description field” changes. Click on “<” button to go back to the main screen.



The screenshot shows the SAP Edit: Result screen for the 'Description' field. It includes search and filter options at the top: Message Type, Log Message Class, Log Message Number, Table, and Row.

Overview:

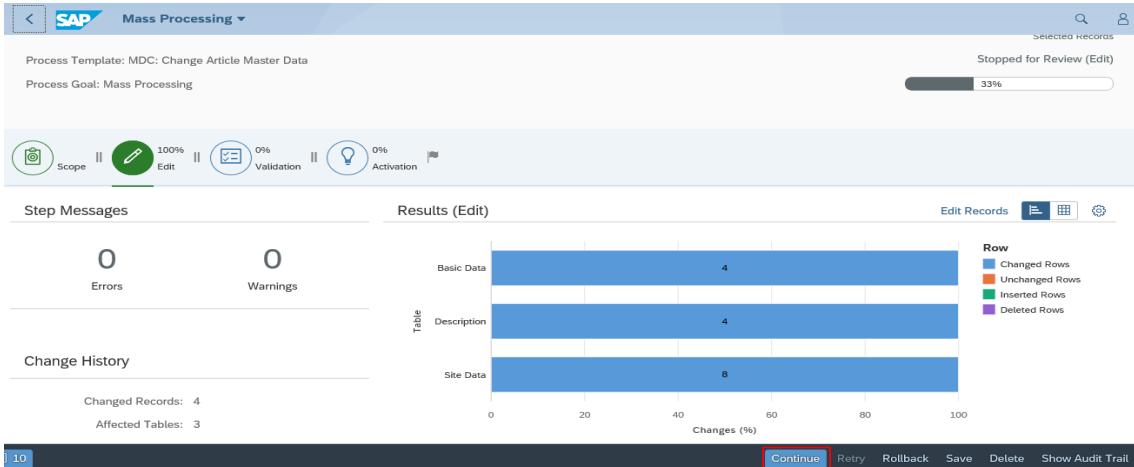
- Basic Data: 4
- Description: 4
- Site Data: 8

Records (4):

| Article | Language | Description | Changes |
|----------------|----------|-------------------------------|-----------|
| UIPL_ARTICLE61 | E | MDC Test 001 MDC Test 001 | 2 Changes |
| UIPL_ARTICLE62 | E | MDC Test 002 MDC Test 002 | 2 Changes |
| UIPL_ARTICLE63 | E | MDC Test 003 MDC Test 003 | 2 Changes |
| UIPL_ARTICLE64 | E | MDC Test 004 MDC Test desc | 3 Changes |

A red box highlights the last row (UIPL_ARTICLE64) in the table.

- Click on “Continue” button to proceed to the next step i.e. Validation.



The screenshot shows the SAP Mass Processing interface again. The 'Validation' icon is now green, indicating the validation step has been completed.

Step Messages:

- Errors: 0
- Warnings: 0

Results (Edit):

| Table | Changes (%) |
|-------------|-------------|
| Basic Data | 4 |
| Description | 4 |
| Site Data | 8 |

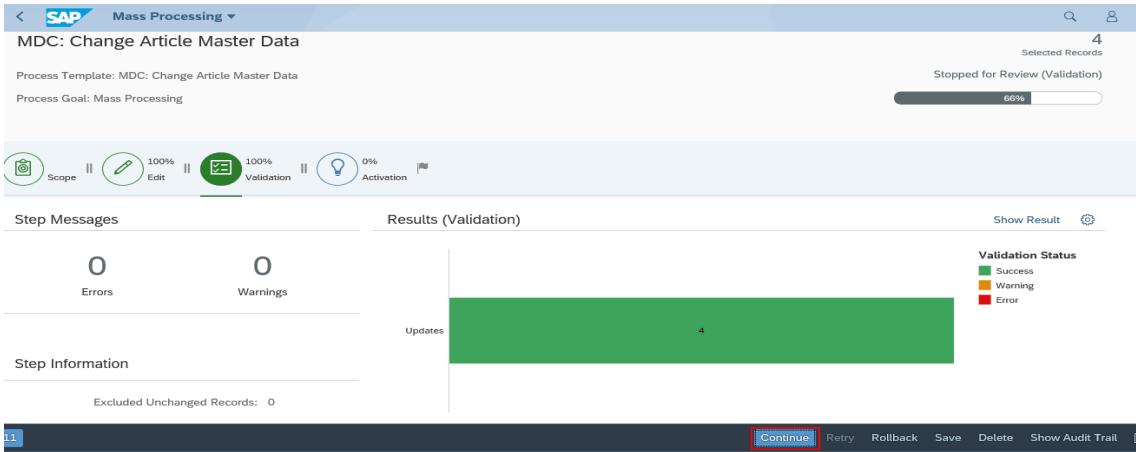
Change History:

Changed Records: 4
Affected Tables: 3

Buttons at the bottom: Continue, Retry, Rollback, Save, Delete, Show Audit Trail.

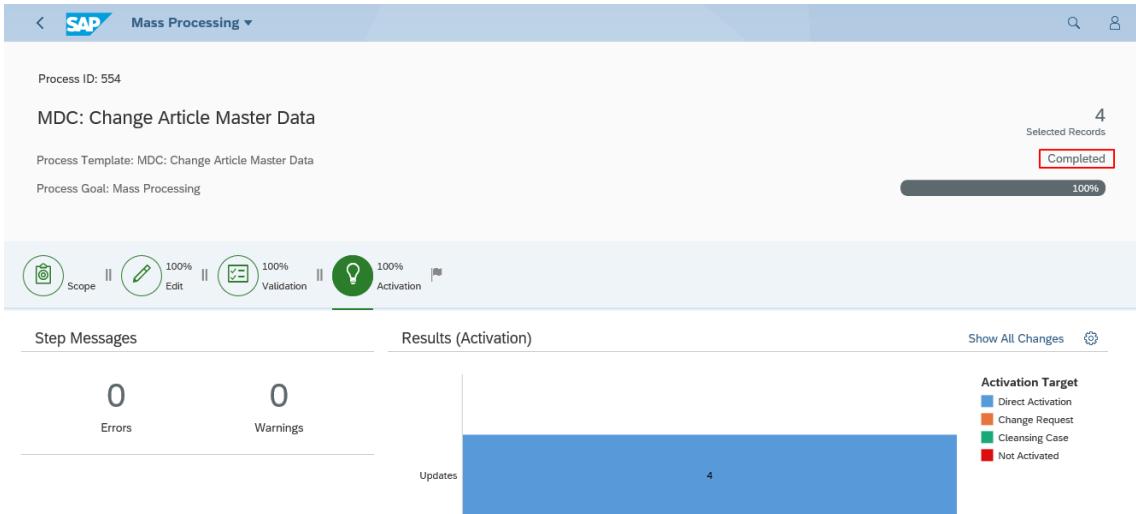
The validation step can be used to incorporate the additional checks along with the API validations and the MDG access class checks using BRFplus application and MDG validation BAdI. The records are shown in a graph based on errors, warnings, or success with different color conventions as below.

- You can click on the link “Show results” to the review and change the erroneous records.
- Click on “Continue” button to proceed with the activation step.



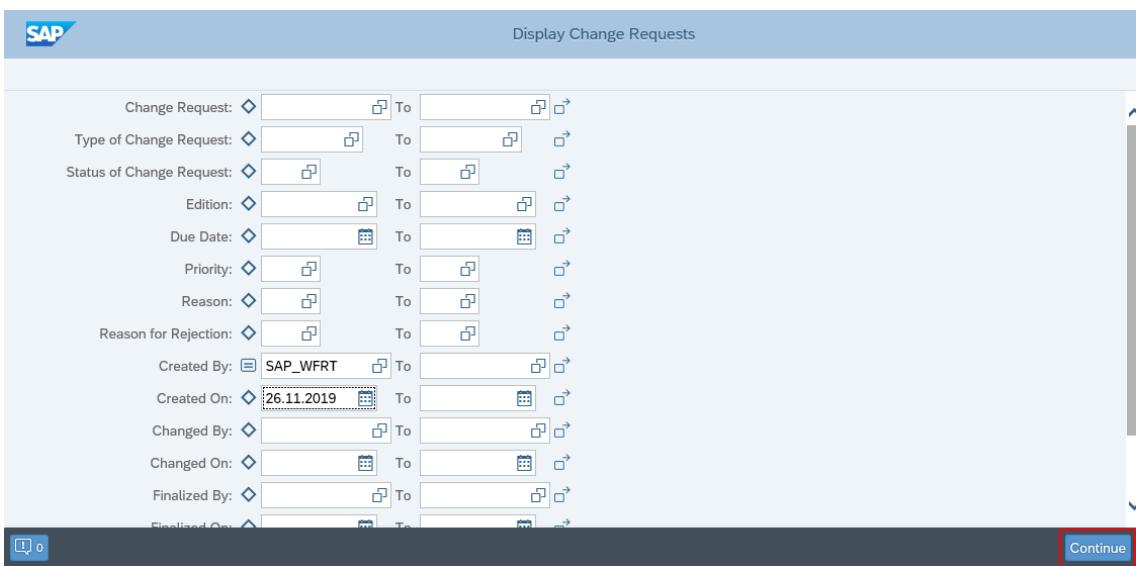
The screenshot shows the SAP Mass Processing interface for the "MDC: Change Article Master Data" process. The top navigation bar includes the SAP logo, a back arrow, and a dropdown menu for "Mass Processing". Below the header, it displays the process template and goal. A progress bar indicates "Selected Records" (4) and "Stopped for Review (Validation)" at 66%. The main area shows four steps: Scope (100%), Edit (100%), Validation (100%, highlighted in green), and Activation (0%). The "Results (Validation)" section shows 0 Errors and 0 Warnings, with 4 Updates completed. A legend for validation status shows "Success" (green), "Warning" (orange), and "Error" (red). The bottom navigation bar includes "Continue", "Retry", "Rollback", "Save", "Delete", and "Show Audit Trail".

The status of the process Id changed to “Completed”.



This screenshot shows the SAP Mass Processing interface after the process has completed. The top navigation bar and process details remain the same. The progress bar now shows "Completed" at 100%. The "Activation" step is highlighted in green, indicating completion. The "Results (Activation)" section shows 0 Errors and 0 Warnings, with 4 Updates completed. A legend for activation target shows "Direct Activation" (blue), "Change Request" (orange), "Cleansing Case" (green), and "Not Activated" (red). The bottom navigation bar includes "Continue", "Retry", "Rollback", "Save", "Delete", and "Show Audit Trail".

10. Run t-code NWBC. Use the role Use the role "/UGI4/MGDRFM_MENU" to navigate to the Change Requests created. The CR of type AR0B is created with username as SAP_WFRT (background used).
11. To search for the Change Request created, Provided the “Created by” field as “SAP_WFRT” and “Created on” as date on which the process is launched.
12. Click on “Continue” button.

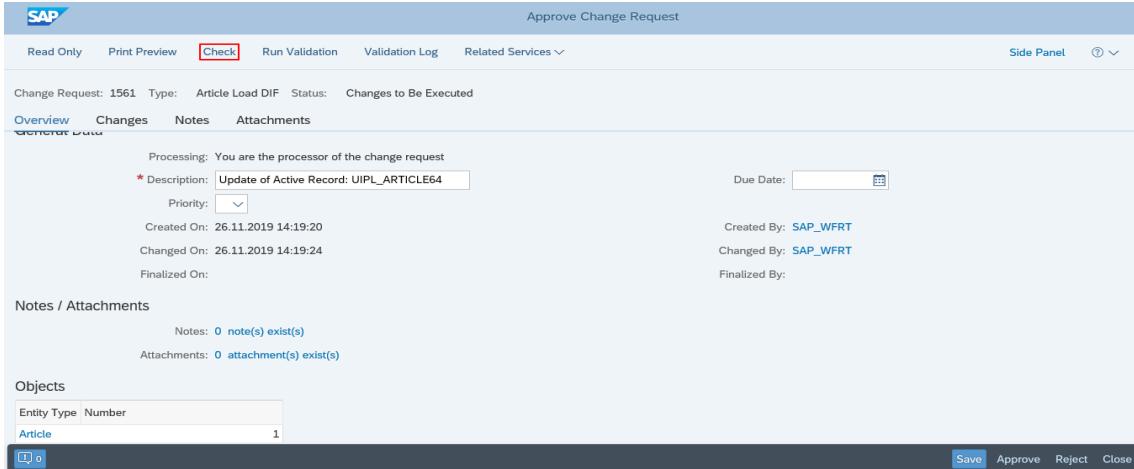


The screenshot shows the SAP "Display Change Requests" screen. It features a form with various fields for searching change requests, including "Change Request", "Type of Change Request", "Status of Change Request", "Edition", "Due Date", "Priority", "Reason", "Reason for Rejection", "Created By" (set to "SAP_WFRT"), "Created On" (set to "26.11.2019"), "Changed By", "Changed On", "Finalized By", and "Finalized On". Each field has a "To" button to the right. At the bottom of the form is a "Continue" button. The title bar says "Display Change Requests".

13. Double-Click on the Change Request Number to open the Change Request.

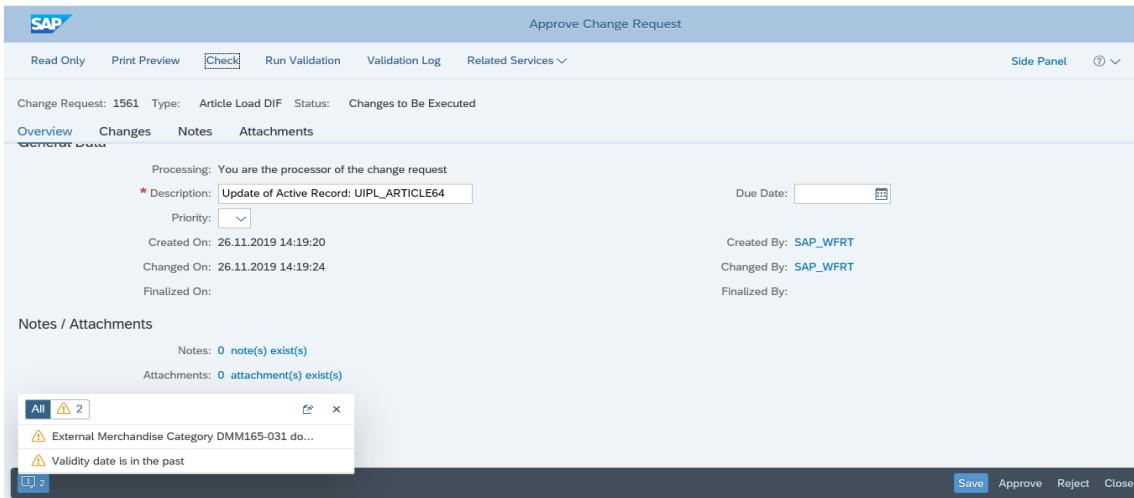
| Change Requests | | | | | | |
|----------------------------------|----------------|-----------------------------------------|------------------------|------------|--------------|------------------|
| View: | | Standard View | Print Version | Export | Workflow Log | |
| | Change Request | Description | Status | Changed On | Changed By | Type |
| <input checked="" type="radio"/> | 1561 | Update of Active Record: UIPL_ARTICLE64 | Changes to Be Executed | 26.11.2019 | SAP_WFRT | Article Load DIF |
| <input type="radio"/> | 1560 | Update of Active Record: UIPL_ARTICLE63 | Changes to Be Executed | 26.11.2019 | SAP_WFRT | Article Load DIF |

14. Open the Change Request created, click on “Check” button to perform validation.



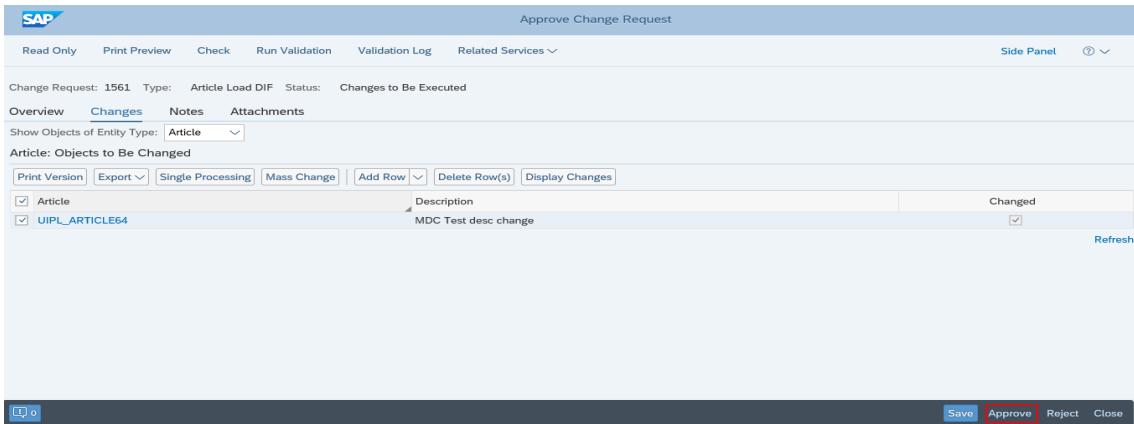
The screenshot shows the SAP Fiori interface for 'Approve Change Request'. The top navigation bar includes 'Read Only', 'Print Preview', 'Check' (which is highlighted with a red box), 'Run Validation', 'Validation Log', and 'Related Services'. Below the navigation is a message bar stating 'Change Request: 1561 Type: Article Load DIF Status: Changes to Be Executed'. Under the 'Check' tab, there's a processing note: 'You are the processor of the change request'. A description field contains 'Update of Active Record: UIPL_ARTICLE64'. Other fields include 'Priority' (dropdown), 'Created On: 26.11.2019 14:19:20', 'Changed On: 26.11.2019 14:19:24', 'Finalized On:', 'Due Date' (calendar icon), 'Created By: SAP_WFRT', 'Changed By: SAP_WFRT', and 'Finalized By:'. Sections for 'Notes / Attachments' and 'Objects' are present, both showing zero items. At the bottom are buttons for 'Save', 'Approve', 'Reject', and 'Close'.

15. Messages will appear on the screen, if any.



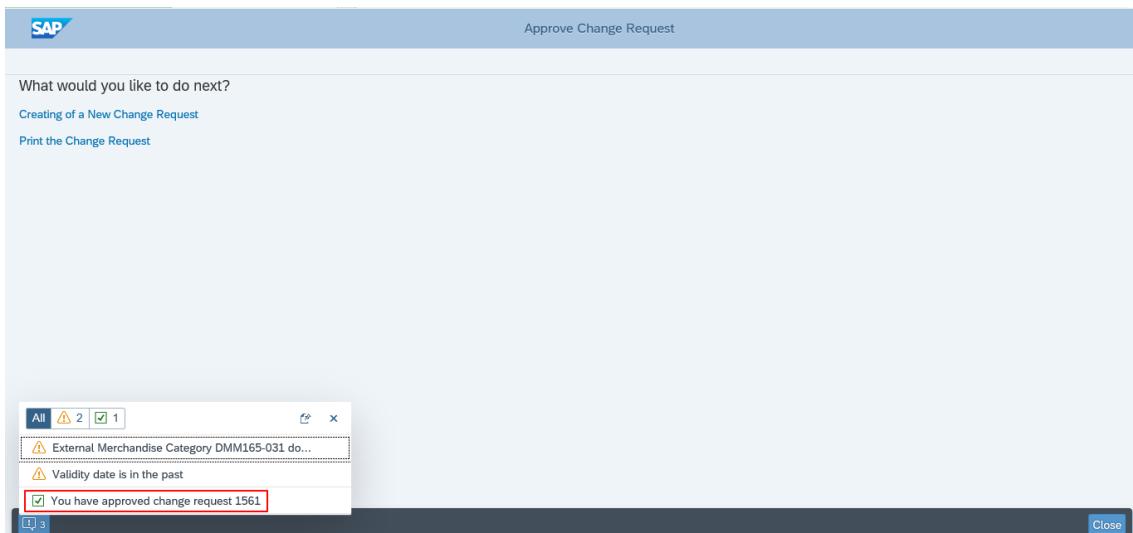
This screenshot is identical to the previous one, showing the 'Check' tab of the 'Approve Change Request' screen. However, a tooltip is displayed over the 'Check' button, listing two validation errors: 'External Merchandise Category DMM165-031 do...' and 'Validity date is in the past'. The rest of the interface is the same, with the 'Check' button highlighted.

16. Click on “Approve” button to approve the Change Request.

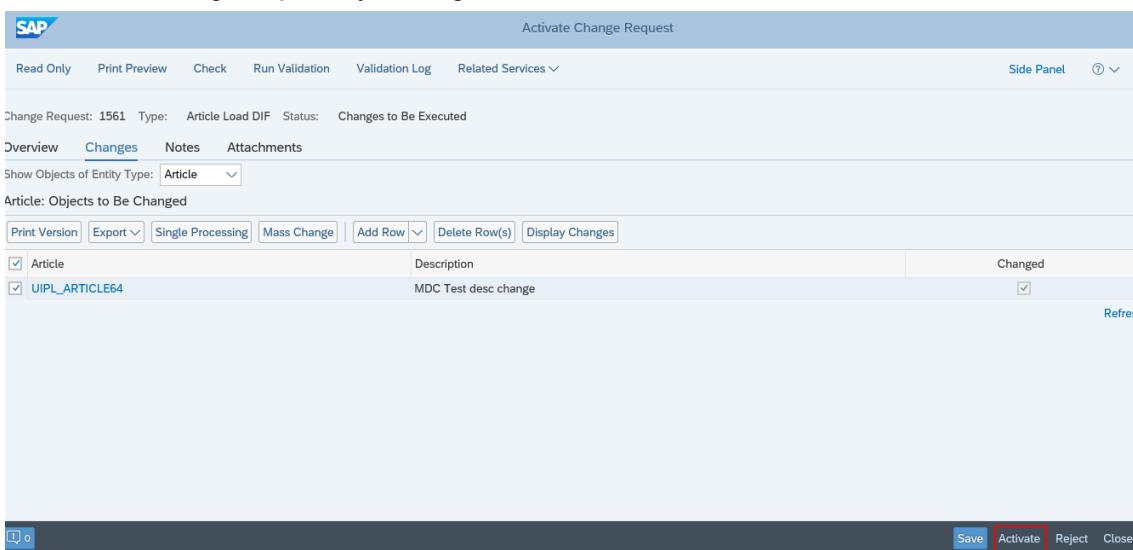


The screenshot shows the 'Approve' tab of the 'Approve Change Request' screen. The top navigation bar includes 'Read Only', 'Print Preview', 'Check', 'Run Validation', 'Validation Log', and 'Related Services'. Below the navigation is a message bar stating 'Change Request: 1561 Type: Article Load DIF Status: Changes to Be Executed'. Under the 'Changes' tab, there's a section titled 'Article: Objects to Be Changed' with a table showing a single row: 'UIPL_ARTICLE64' with description 'MDC Test desc change'. Buttons at the bottom include 'Save', 'Approve' (which is highlighted with a red box), 'Reject', and 'Close'.

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



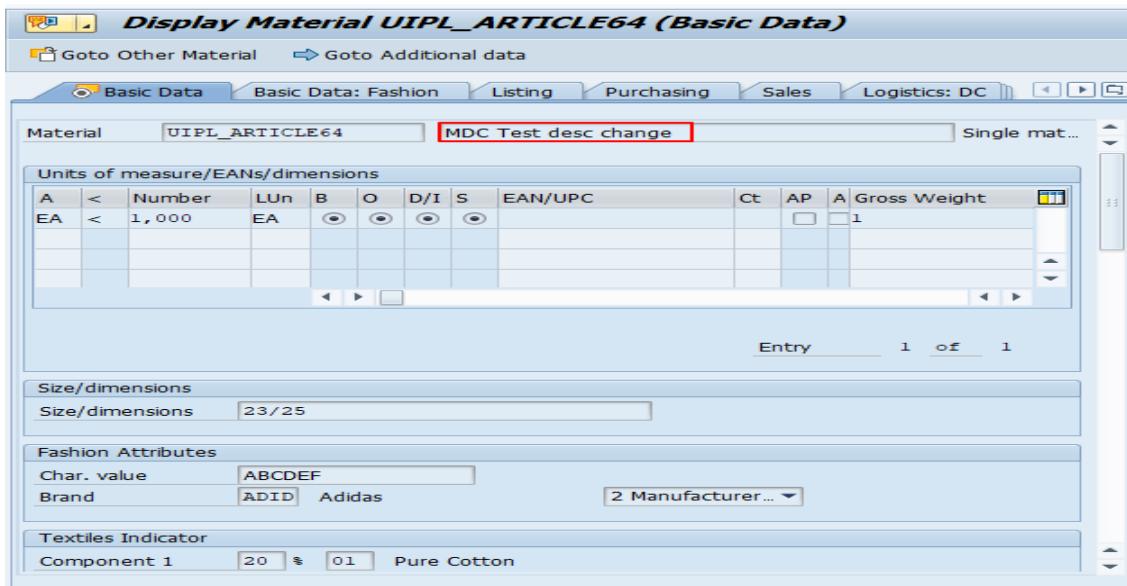
Activate the change request by clicking on “Activate” button.



The status of Change Request changes to “Final Check Approved”.

| Change Requests | | | | | | |
|---------------------------------------------------------------|----------------|-----------------------------------------|----------------------|------------|------------|------------------|
| View: [Standard View] Print Version Export Workflow Log | | | | | | |
| | Change Request | Description | Status | Changed On | Changed By | Type |
| <input checked="" type="radio"/> | 1561 | Update of Active Record: UIPL_ARTICLE64 | Final Check Approved | 26.11.2019 | [REDACTED] | Article Load DIF |
| <input type="radio"/> | | | | | | |

- Run t-code “MM43” to view the article in backend. You can verify the changes reflecting on the ECC screens.



Perform Consolidation

You can use the following steps to configure and perform the consolidation of article master data.

Matching and Best Record Calculation

You can define and generate a match configuration that SAP HANA uses to match master data records using the fuzzy matching adapter CL_MDC_ADAPTER_FUZZY_MTC_HANA.

The rulesets are created in the SAP HANA studio to define certain rules based on the business scenarios. The ruleset can be found in the package used for creating the match configuration. The ruleset naming convention is as follows: <MatchConfigurationName>_RULESET.

To configure Matching, run the Customizing activities under the navigation path as: Master Data Governance > Consolidation and Mass Processing > Configure Matching.

 Note

Sample configuration for matching will be available once the BC-Set "/UGI4/MDC_RFMD_CONFIG_MATCH_1909" is activated.

Once the matching is completed, the data is divided into separate match groups. In a first step, the records of a match group are compared on table level.

To configure the Best Record Calculation for MDG, consolidation, run the Customizing activities under the navigation path as: Master Data Governance > Consolidation and Mass Processing > Configure Best Record Calculation.

Once this step is completed, the resultant records are identified as updates, new records or best records. This can be followed by activation step which creates data in backend either through direct activation or Change Request in MDG.

 Note

Sample configuration for best record calculations will be available once the BC-Set "/UGI4/MDC_RFMD_BR_CONFIG_1909" is activated.

Configure Process Template

Use the following steps for configure process template:

1. Run t-code “MDCIMG”. Navigate to the customizing path: Master Data Governance, Consolidation and Mass Processing> Specify Adapters.
2. Ensure that the below adapters are available to be used for Article.

| Display View "Master Data Consolidation: Configuration of Adapters": O | | | |
|------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------------------|
| BO Type | Step Type | Process Step Adapter | Adapter Description |
| DRF_0017 | ACT Activation | /UGI4/CL_MDC_ADAPTER_RFM_ACT | Activation for Article Master |
| DRF_0017 | BRC Best Record Calculat... | /UGI4/CL_MDC_ADAPTER_RFM_BRC | Material Best Record Calculation |
| DRF_0017 | EDI Edit | CL_MDC_ADAPTER_EDIT | Interactive Mass Processing |
| DRF_0017 | EVA Evaluation | CL_MDC_RULE_EVALUATION_ADAPTER | Adapter for Data Quality Evaluation |
| DRF_0017 | FAR Filter & Remove | CL_MDC_ADAPTER_FAR | Filter & Remove |
| DRF_0017 | MTC Matching | /UGI4/CL_MDC_ADAPTER_RFM_MTC | Material Matching (Old Material Number) |
| DRF_0017 | MTC Matching | CL_MDC_ADAPTER_FUZZY_MTC | HANA fuzzy search |
| DRF_0017 | MTC Matching | CL_MDC_ADAPTER_MTC | New HANA fuzzy search |
| DRF_0017 | REP Replication | /UGI4/CL_MDC_ADAPTER_RFM REP | MDC Material Replication via DRF |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_AR_KEYMAP | Evaluate Key Mapping for Material |
| DRF_0017 | STD Standardization | /UGI4/CL_MDC_ADAPTER_RFM_VALMAP | Evaluate Value Mapping for Material |
| DRF_0017 | STD Standardization | CL_MDC_ADAPTER_BRF_STD | BRplus |
| DRF_0017 | VAL Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | Article Master Validations (Business Suite) |

3. Run t-code MDCIMG. Navigate through the path: Master Data Governance, Consolidation and Mass Processing> Configure Process Template > Specify Process Template.
4. Use the following steps to create the process template for the mass change
 - Click on New Entries.
 - Provide the name of the template.
 - Provide the description for the template.
 - Assign the BO type as “DRF_0017”.
 - Assign the workflow template as “WS54500001”.
 - Make sure that the process goal is selected as “C- Consolidation Processing”.
 - Ensure that the process template is selected as Consolidate matching and BRC (best record Calculation)
 - Make sure that need to select files which are imported for consolidation as data sources.
5. You can also activate the BC-Set “/UGI4/MDC_RFM_PT_CONFIG_1909” for the following default configuration.

| Display View "Process Template": Overview | | | | | | | |
|-------------------------------------------|---------------------|-------------|-------------------------------|----------|------------------|------------------|--------------|
| Dialog Structure | Process Template | Proc Tmpl | Description | BO Type | Description | Process Workflow | Name |
| ▼ Process Template | Process Template St | UGI4_RF_C01 | MDC: Consolidate Article Data | DRF_0017 | Article (Retail) | WS54500001 | MDC Workflow |

6. You can use the following steps to configure the process template steps:
 - Mark the process template and click on the path “Process Template Steps”.
 - Click on “New entries” button.
 - Provide the Step Number and Step sequence in order of occurrence of steps.

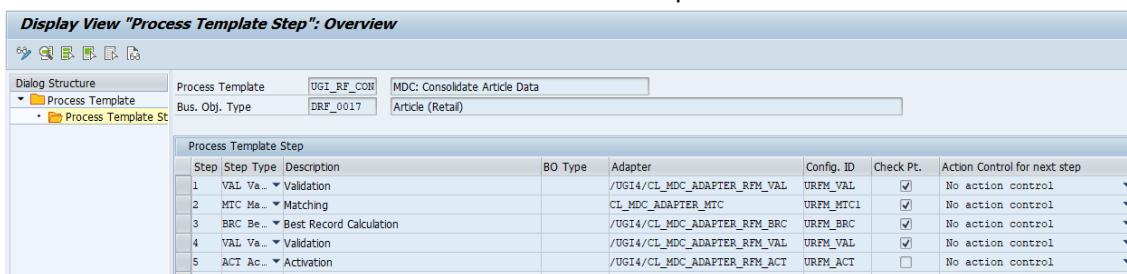
 Note

Ensure that the steps are defined in the logically accepted manner. Refer to Configuration Guide for MDC for order details.

- Choose the appropriate “Process Step Type” from the drop down.
- Choose the adapter registered against the corresponding BO type.
- Choose the Configuration ID, if any for the adapter.

- Mark the “Check Point Active” checkbox to make the process stop after the step.
- Choose the suitable Process Action CTRL from the drop down.

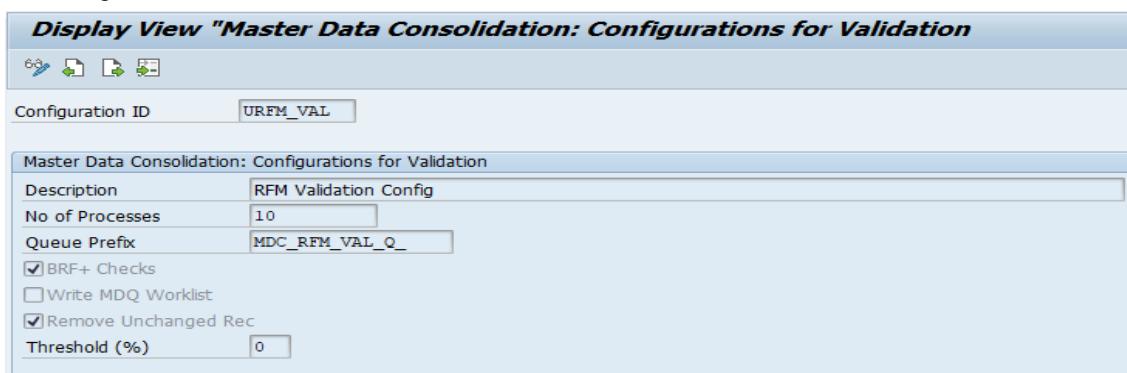
Display View "Process Template Step": Overview



| Step | Step Type | Description | BO Type | Adapter | Config. ID | Check Pt. | Action Control for next step |
|------|-----------|-------------------------|------------------------------|-----------|-------------------------------------|-------------------|------------------------------|
| 1 | VAL Va... | Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | URFM_VAL | <input checked="" type="checkbox"/> | No action control | |
| 2 | MTC Ma... | Matching | CL_MDC_ADAPTER_MTC | URFM_MTC1 | <input checked="" type="checkbox"/> | No action control | |
| 3 | BRC Be... | Best Record Calculation | /UGI4/CL_MDC_ADAPTER_RFM_BRC | URFM_BRC | <input checked="" type="checkbox"/> | No action control | |
| 4 | VAL Va... | Validation | /UGI4/CL_MDC_ADAPTER_RFM_VAL | URFM_VAL | <input checked="" type="checkbox"/> | No action control | |
| 5 | ACT Ac... | Activation | /UGI4/CL_MDC_ADAPTER_RFM_ACT | URFM_ACT | <input type="checkbox"/> | No action control | |

The Config ID field as displayed in the above screen is defined in the IMG path. Validation can be configured for MDG checks and BRF+.

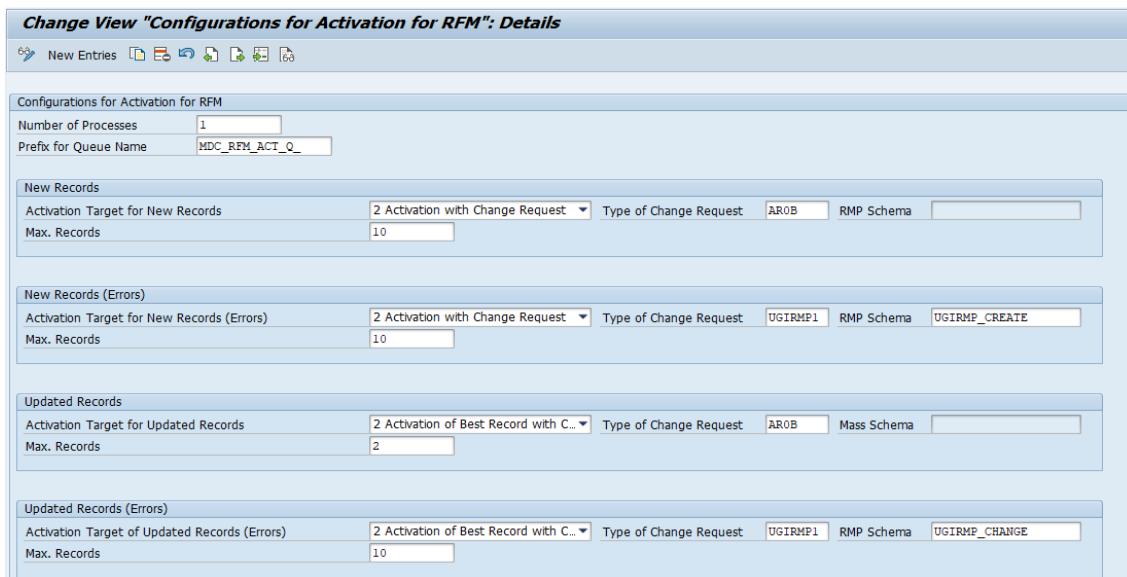
Display View "Master Data Consolidation: Configurations for Validation"



| | |
|----------------------------------------------------------|-----------------------|
| Configuration ID | URFM_VAL |
| Master Data Consolidation: Configurations for Validation | |
| Description | RFM Validation Config |
| No. of Processes | 10 |
| Queue Prefix | MDC_RFM_VAL_Q_ |
| <input checked="" type="checkbox"/> BRF+ Checks | |
| <input type="checkbox"/> Write MDQ Worklist | |
| <input checked="" type="checkbox"/> Remove Unchanged Rec | |
| Threshold (%) | 0 |

The default configuration is “Direct Activation”. This can be changed to “Activation with change request” with the Change Request AR0B. The value “Max. Records” can be changed to a value to indicate the number of Article objects allowed per Change Request.

Change View "Configurations for Activation for RFM": Details



| | | | |
|-----------------------------------------------|---------------------------------------|------------------------|----------------|
| Configurations for Activation for RFM | | | |
| Number of Processes | 1 | Prefix for Queue Name | MDC_RFM_ACT_Q_ |
| New Records | | | |
| Activation Target for New Records | 2 Activation with Change Request | Type of Change Request | AR0B |
| Max. Records | 10 | RMP Schema | |
| New Records (Errors) | | | |
| Activation Target for New Records (Errors) | 2 Activation with Change Request | Type of Change Request | UGIRMP1 |
| Max. Records | 10 | RMP Schema | UGIRMP_CREATE |
| Updated Records | | | |
| Activation Target for Updated Records | 2 Activation of Best Record with C... | Type of Change Request | AR0B |
| Max. Records | 2 | Mass Schema | |
| Updated Records (Errors) | | | |
| Activation Target of Updated Records (Errors) | 2 Activation of Best Record with C... | Type of Change Request | UGIRMP1 |
| Max. Records | 10 | RMP Schema | UGIRMP_CHANGE |

Replication is integrated with the Activation step for Direct Activation. The following indicated checkbox should be marked for the IDocs to be generated after successful activation.

Change View "Configurations for Activation for RFM": Details

| | | | | | | |
|---------------------------------------------------------------|---------------------------------------|---------------------|----------------------|------------|----------------------|--|
| New Entries | | | | | | |
| Match Groups | | | | | | |
| Activation Target for Match Groups | 2 Activation of Best Record with C... | | | RMP Schema | <input type="text"/> | |
| Type of CR New | AR0B | Type of CR Upd. | AR0B | RMP Schema | <input type="text"/> | |
| Max. Records | 1 | | | RMP Schema | <input type="text"/> | |
| Match Groups (Errors) | | | | | | |
| Activation Target for Match Groups (Errors) | 2 Activation of Best Record with C... | | | RMP Schema | <input type="text"/> | |
| Type of CR New Err | AR0B | Type of CR Upd. Err | AR0B | RMP Schema | <input type="text"/> | |
| Max. Records | <input type="text"/> | | | RMP Schema | <input type="text"/> | |
| Validation | | | | | | |
| <input checked="" type="checkbox"/> MDG Checks | <input type="checkbox"/> BRF+ Checks | | | | | |
| Replication | | | | | | |
| <input checked="" type="checkbox"/> Call DRF After Activation | | | | | | |
| Retention Time | | | | | | |
| Days | <input type="text"/> | Hours | <input type="text"/> | Minutes | <input type="text"/> | |

Prerequisites

Configure Ruleset

It is to be ensured that at least one rule set is defined for matching process. You can define the ruleset using the following steps.

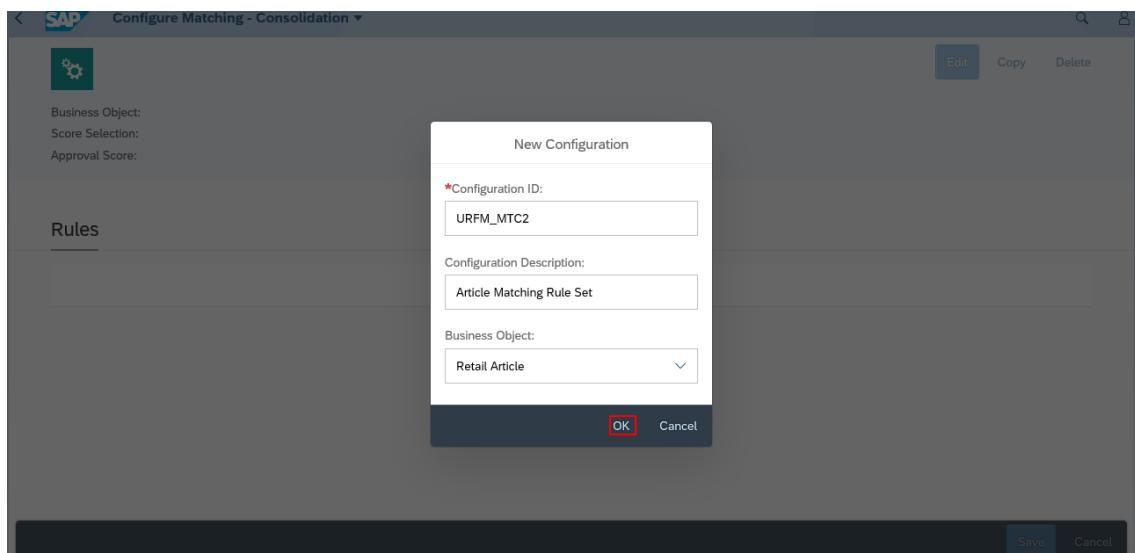
1. Launch Fiori launchpad using t-code /UI2/FLP. Run “Configure Matching Article”.



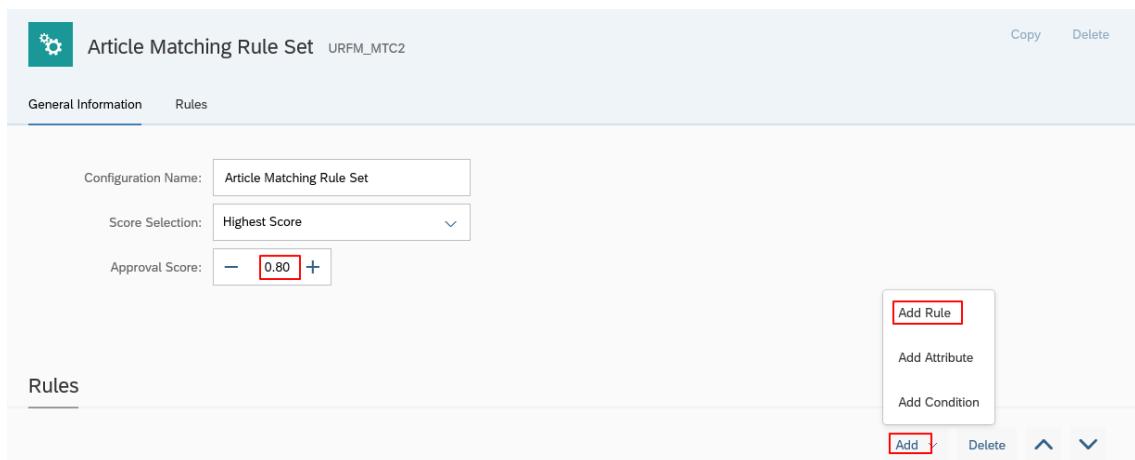
2. Click on “Add configuration” button.



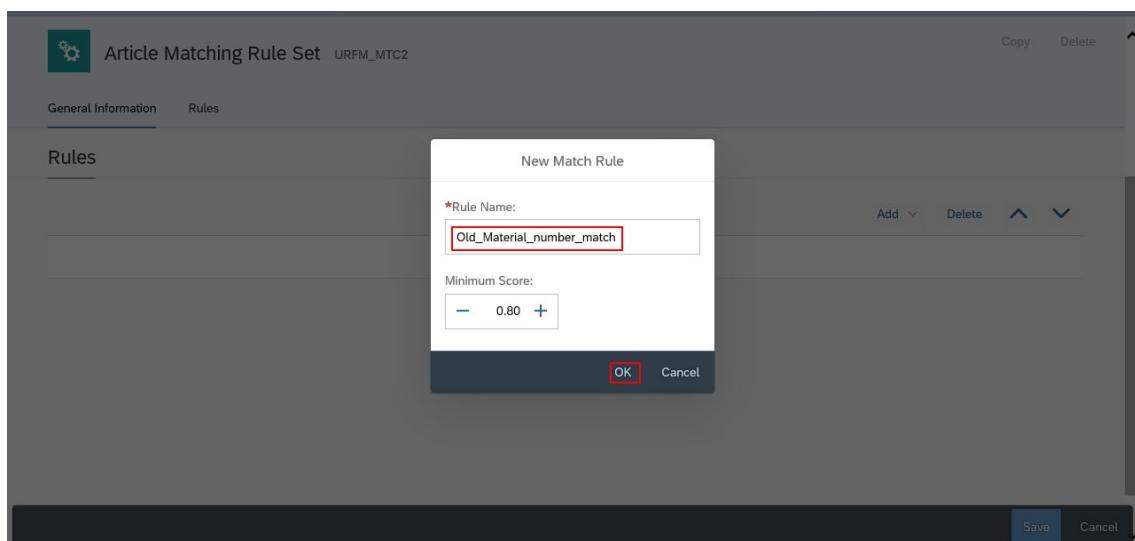
3. Enter the Configuration id and configuration Description and business object. Click on “OK” button.



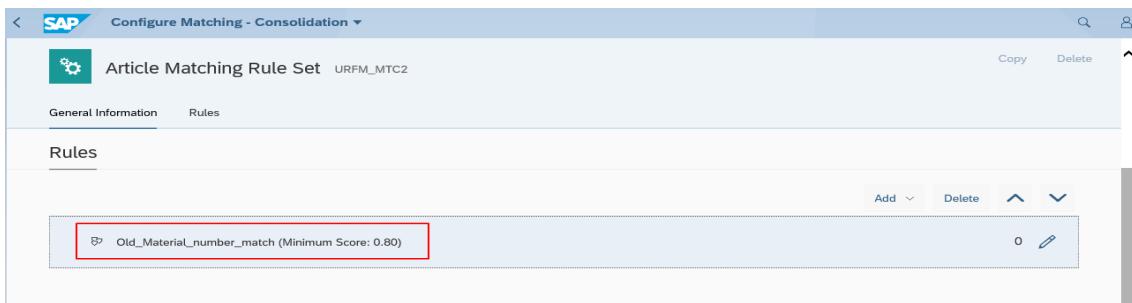
4. Enter Approve score and click on “Add” button and click on “Add Rule”.



5. Enter “Rule name” and click on “OK” button.



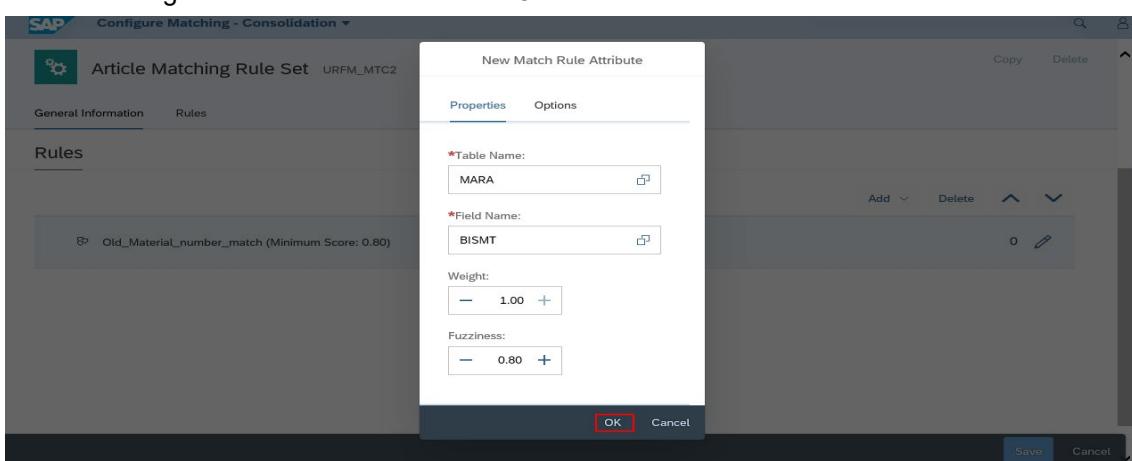
6. Select Rule as highlighted in the following screen.



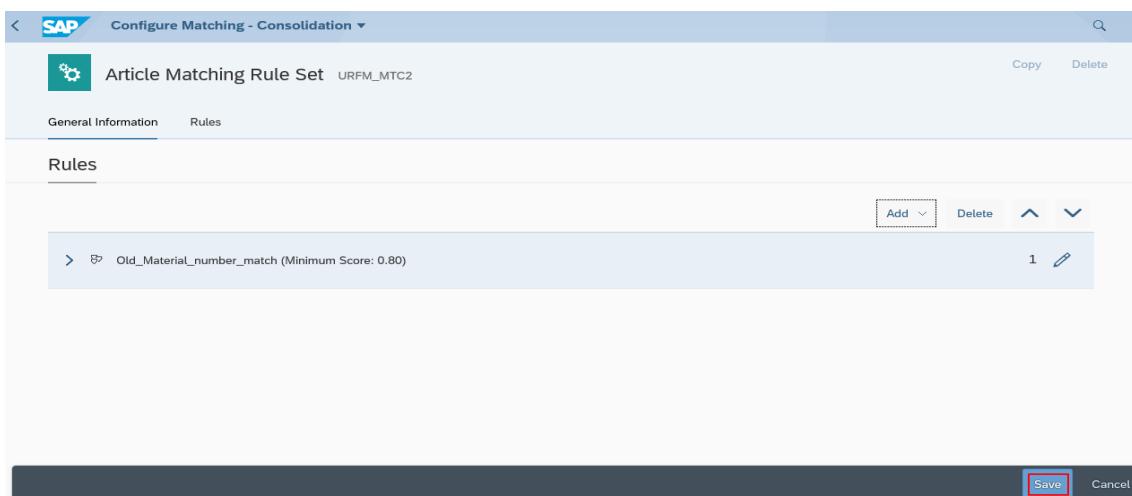
7. Click on “Add” button and Choose “Add Attribute” option.



8. Enter following screen details and click on “OK” button.



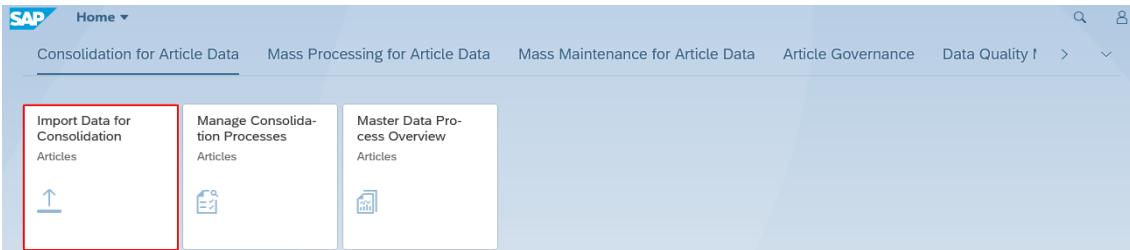
5. Click on “Save” button.



Perform Import

Use the following steps to upload the files used for Consolidation process.

1. Launch Fiori launchpad using t-code /UI2/FLP. Run “Import Data for Consolidation”. You can use this application to upload the files from different sources used in consolidation of data.



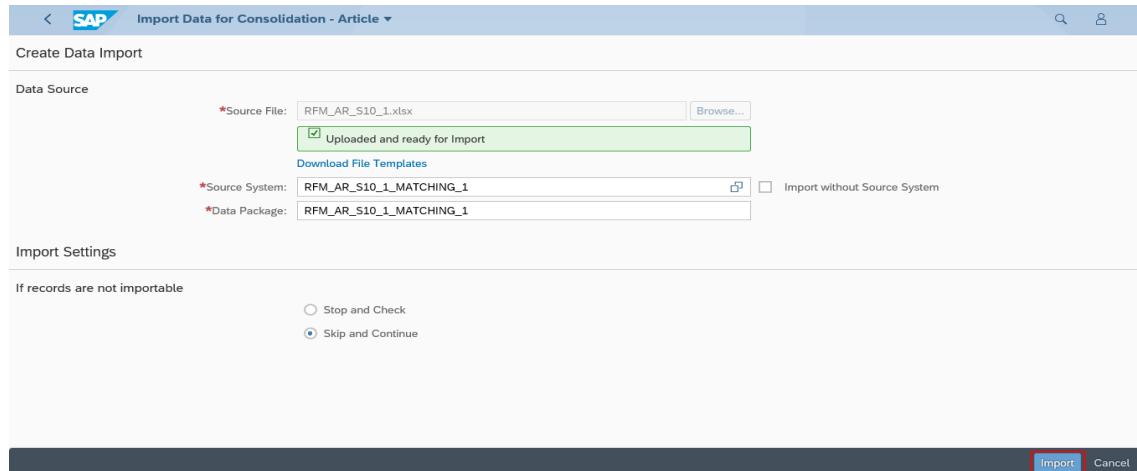
2. Choose the source file from the application server. Provide the “Source System” name and the data package.



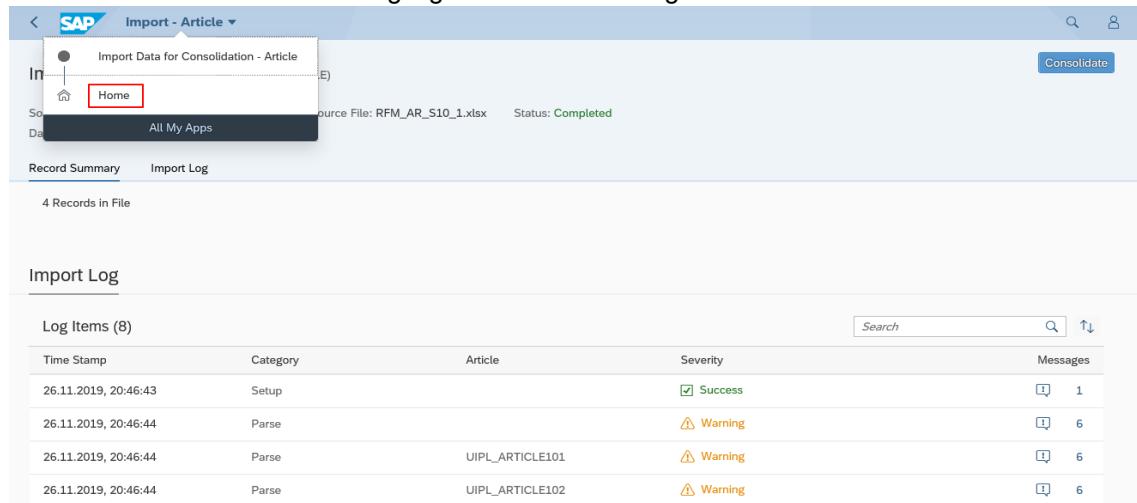
Note

Make sure that the combination of source system and data package is unique.

3. Under the Import settings heading, select the “Skip and Continue” radio button. Click on “Import” button.



4. Click on the “Home” button as highlighted in the following screen.

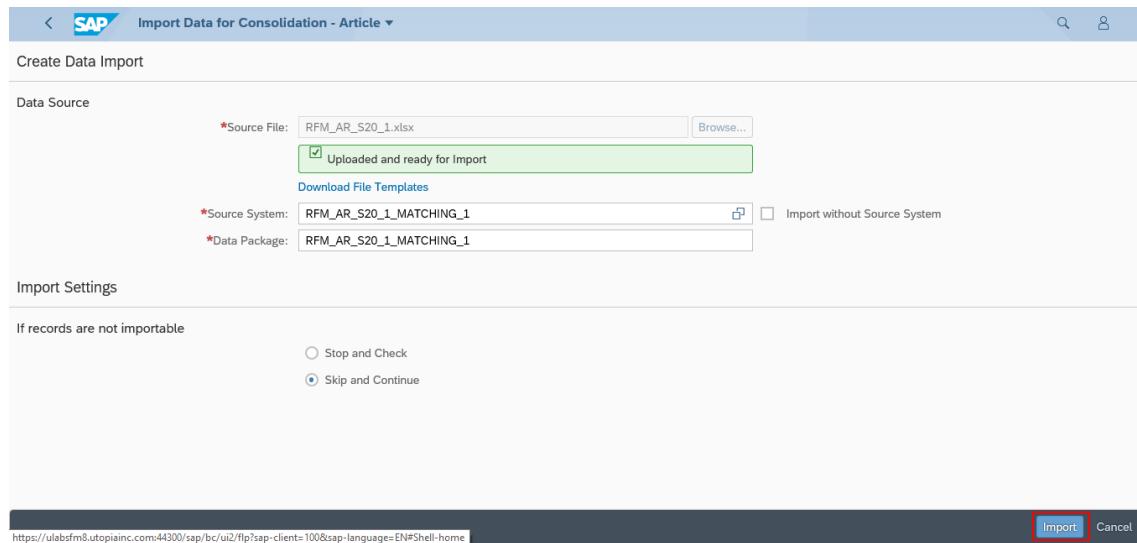


| Time Stamp | Category | Article | Severity | Messages |
|----------------------|----------|-----------------|---------------------------------------------|----------|
| 26.11.2019, 20:46:43 | Setup | | <input checked="" type="checkbox"/> Success | 1 |
| 26.11.2019, 20:46:44 | Parse | | <input checked="" type="checkbox"/> Warning | 6 |
| 26.11.2019, 20:46:44 | Parse | UIPL_ARTICLE101 | <input checked="" type="checkbox"/> Warning | 6 |
| 26.11.2019, 20:46:44 | Parse | UIPL_ARTICLE102 | <input checked="" type="checkbox"/> Warning | 6 |

Note

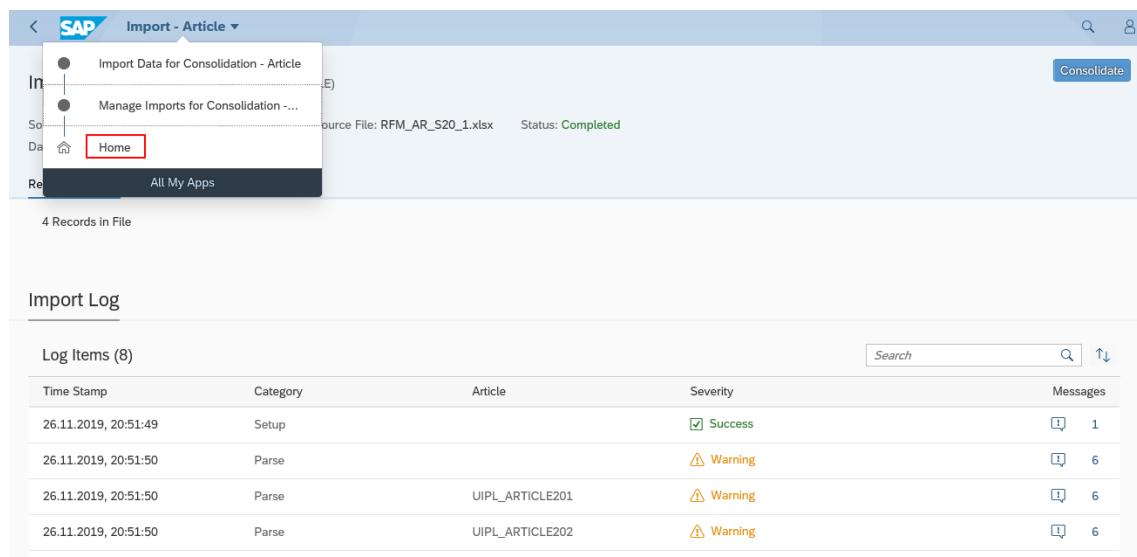
You can use the above steps to upload all the files to be used for consolidation process.

The following screen shows that the second file is uploaded successfully and is ready for the import.



The screenshot shows the SAP Import Data for Consolidation - Article interface. In the 'Data Source' section, the 'Source File' field contains 'RFM_AR_S20_1.xlsx' with a green checkmark indicating it is 'Uploaded and ready for Import'. Below this, the 'Source System' field is set to 'RFM_AR_S20_1_MATCHING_1'. Under 'Import Settings', the 'If records are not importable' section has 'Skip and Continue' selected. At the bottom right, there is a red box around the 'Import' button.

- Click on the “Home” button to navigate to the initial screen.



The screenshot shows the SAP Import - Article interface. On the left, a navigation bar has 'Home' highlighted with a red box. The main area displays a completed import task: 'Source File: RFM_AR_S20_1.xlsx' and 'Status: Completed'. Below this is an 'Import Log' section showing log items with severity levels (Success, Warning) and counts (1, 6, 6). A red box highlights the 'Create Process' button at the bottom right of the log table.

Start Consolidation Process

You can use the following steps to run the Consolidation on the imported data.

- Run application “Create Consolidation Process -Article” by following path: Manage Consolidation Processes - Articles->Create Process.

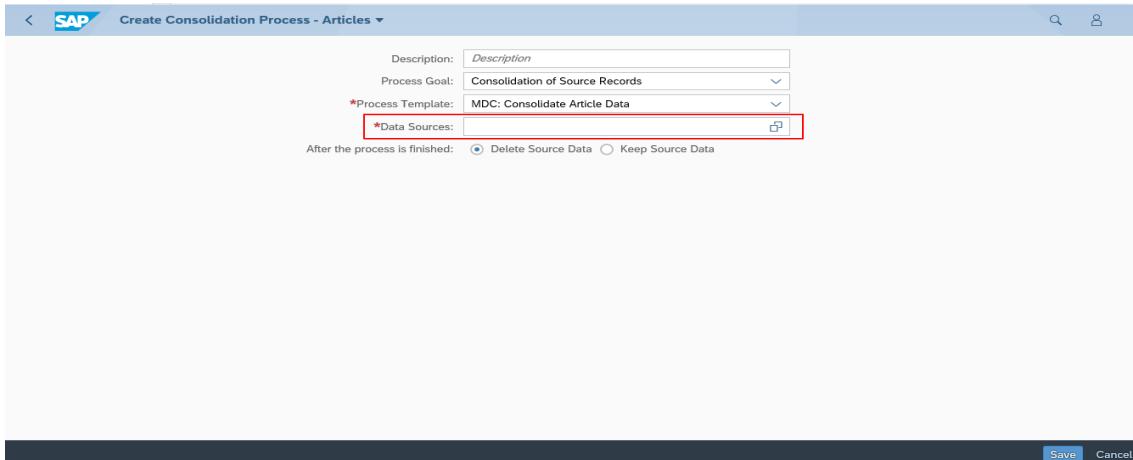


The screenshot shows the SAP Manage Consolidation Processes - Articles interface. The top navigation bar has 'Create Process' highlighted with a red box. Below the navigation, the page title is 'Processes (190)'. At the bottom right, there are buttons for 'Create Process', 'Track Changes', and 'Delete', with 'Create Process' also highlighted with a red box.

2. Enter the description. The process goal should be selected as “Consolidation of Source Records”.

The data sources are to be selected from the F4 help. The imports done in the above steps are available for selection in the data sources.

You can choose the radio button “Delete source data” in case you wish to delete the source status tables after the process is finished.



SAP Create Consolidation Process - Articles

Description:

Process Goal:

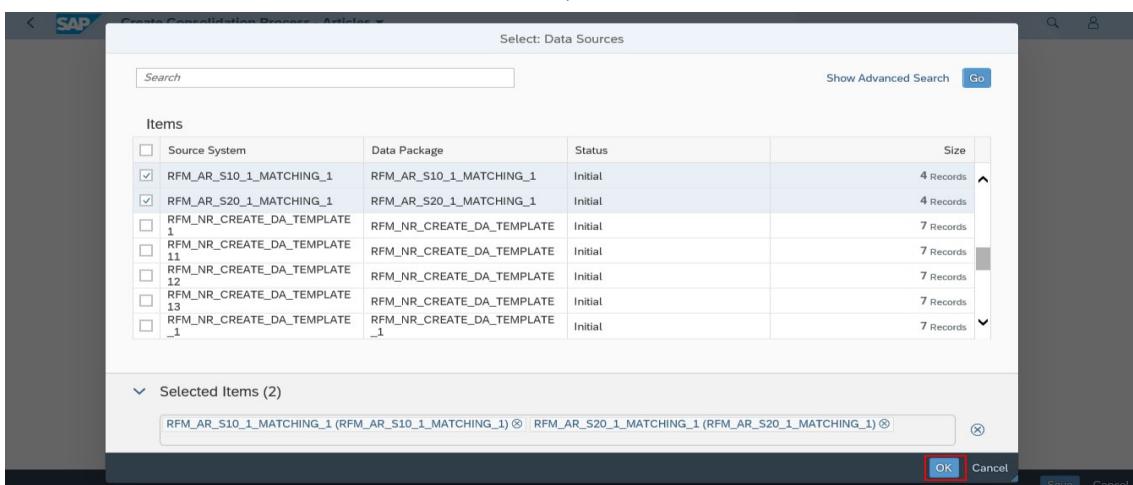
*Process Template:

*Data Sources:

After the process is finished: Delete Source Data Keep Source Data

Save Cancel

3. Once the data sources are marked for selection, click on “OK” button.



Select: Data Sources

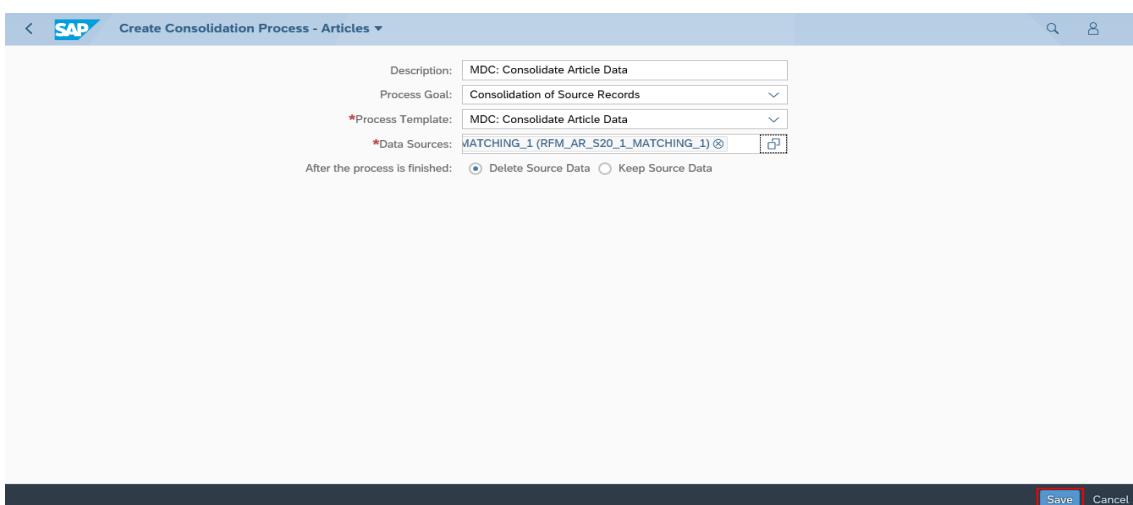
| Source System | Data Package | Status | Size |
|-------------------------------------------------------------|---------------------------|---------|-----------|
| <input type="checkbox"/> RFM_AR_S10_1_MATCHING_1 | RFM_AR_S10_1_MATCHING_1 | Initial | 4 Records |
| <input checked="" type="checkbox"/> RFM_AR_S20_1_MATCHING_1 | RFM_AR_S20_1_MATCHING_1 | Initial | 4 Records |
| <input type="checkbox"/> RFM_NR_CREATE_DA_TEMPLATE_1 | RFM_NR_CREATE_DA_TEMPLATE | Initial | 7 Records |
| <input type="checkbox"/> RFM_NR_CREATE_DA_TEMPLATE_11 | RFM_NR_CREATE_DA_TEMPLATE | Initial | 7 Records |
| <input type="checkbox"/> RFM_NR_CREATE_DA_TEMPLATE_12 | RFM_NR_CREATE_DA_TEMPLATE | Initial | 7 Records |
| <input type="checkbox"/> RFM_NR_CREATE_DA_TEMPLATE_13 | RFM_NR_CREATE_DA_TEMPLATE | Initial | 7 Records |
| <input type="checkbox"/> RFM_NR_CREATE_DA_TEMPLATE_1 | RFM_NR_CREATE_DA_TEMPLATE | Initial | 7 Records |

Selected Items (2)

RFM_AR_S10_1_MATCHING_1 (RFM_AR_S10_1_MATCHING_1) ⊗ | RFM_AR_S20_1_MATCHING_1 (RFM_AR_S20_1_MATCHING_1) ⊗

OK Cancel Save Cancel

4. Click on “Save” button.



SAP Create Consolidation Process - Articles

Description:

Process Goal:

*Process Template:

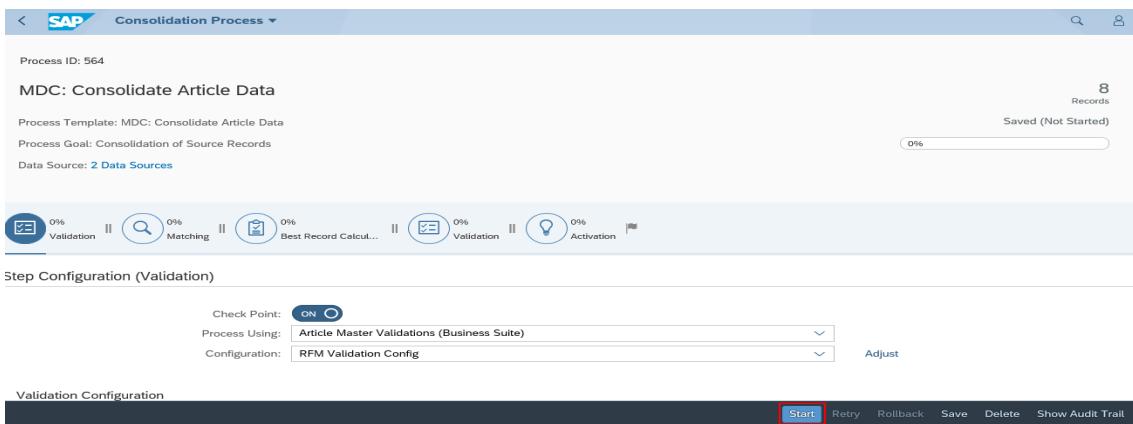
*Data Sources:

After the process is finished: Delete Source Data Keep Source Data

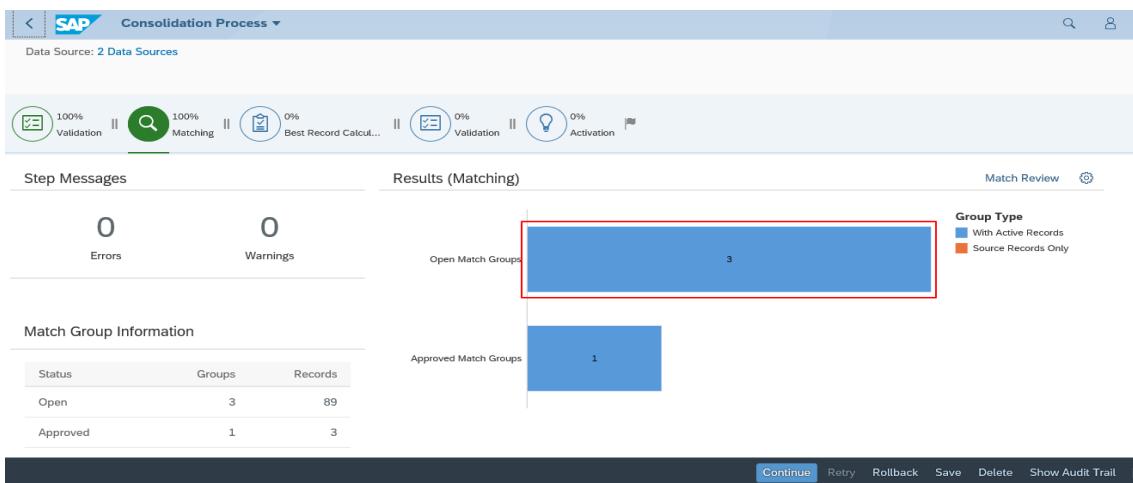
Save Cancel

A new process ID is created.

- Click on “Start” button to initiate the process.



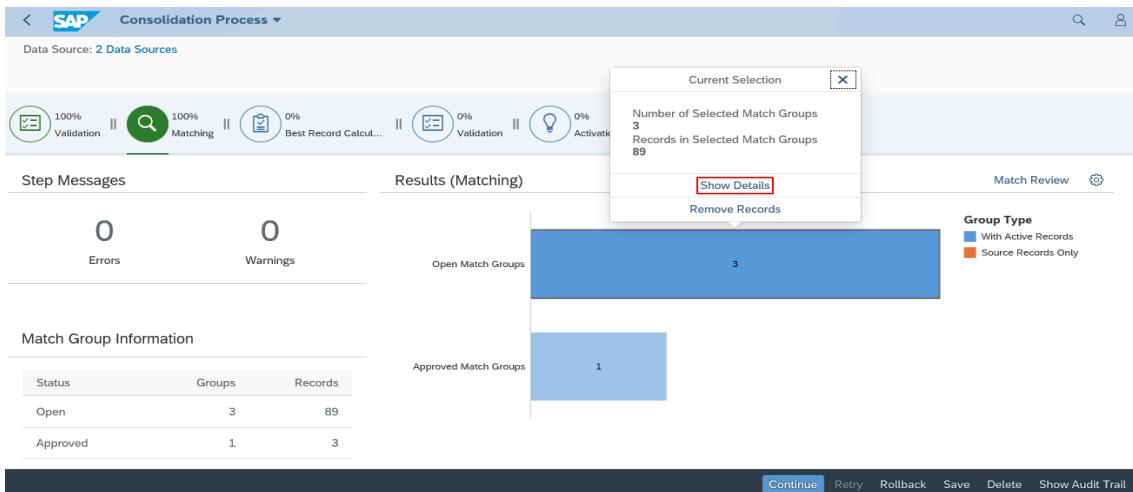
This runs the matching process step as shown in the following screen.



The records are bundled into “Open match groups” or “Approved match” groups based on the results of matching rulesets as configured using the “Configure Matching” application.

The above screen shows the graphical representation of the data with different color conventions. You can view the details of the records by clicking on the “Open Match Group” or “Approved match group” on graph.

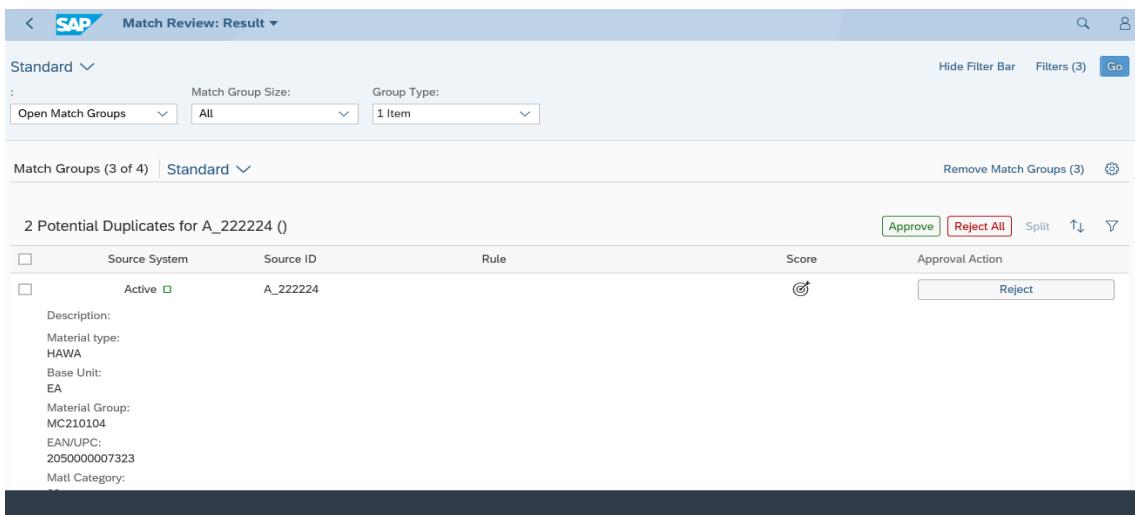
- Click on “Show Details” to navigate to the records for review and approval.



7. You can see the records being segregated into different match groups along with the active records from the current system based on the matching rulesets as configured in the “Configure Matching” application.

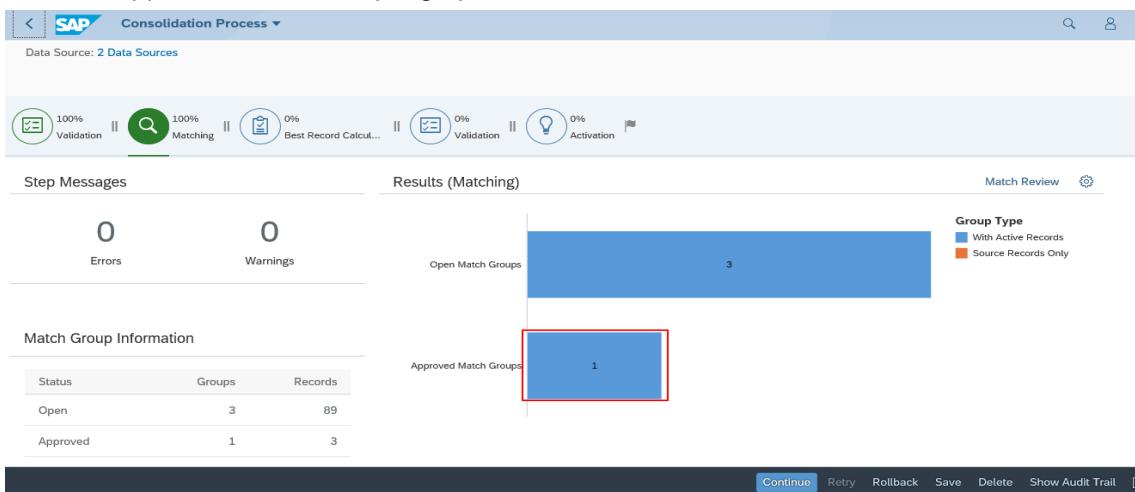
The rule and score values can be used to determine the potential duplicates.

You can choose to approve or reject the match group based on the matching results.



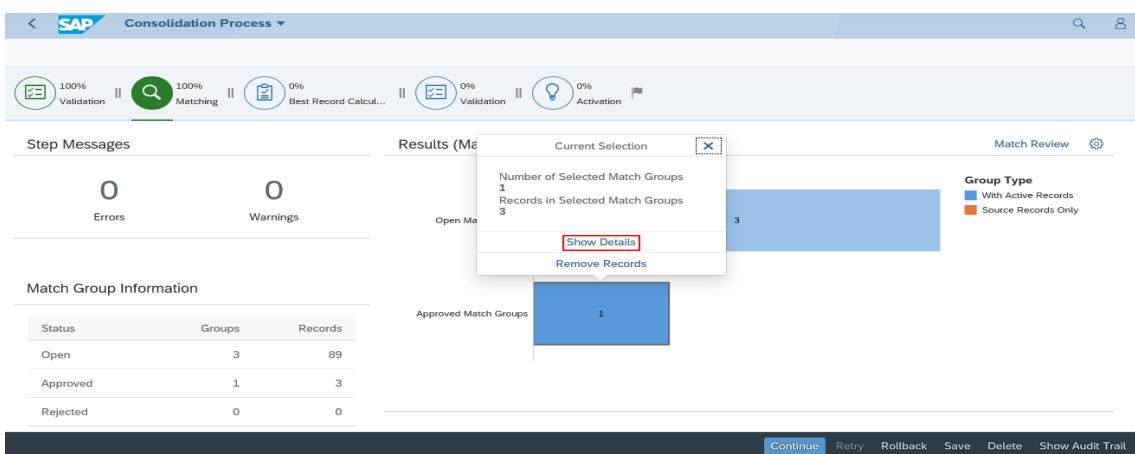
The screenshot shows the SAP Match Review: Result interface. At the top, there are filters for Match Group Size (All) and Group Type (1 Item). Below this, it says "Match Groups (3 of 4) | Standard". The main area displays "2 Potential Duplicates for A_222224 ()". There is a table with columns: Source System, Source ID, Rule, Score, and Approval Action. One row is shown for "Active" record A_222224, which has a score of 100% and an approval action button labeled "Reject". Below the table, there is descriptive text about the material type (HAWA), base unit (EA), material group (MC210104), EAN/UPC (2050000007323), and matl category.

8. Click on “Back” button to navigate to the home page.
 9. Click on “Approved Match Groups” graph to view the records.



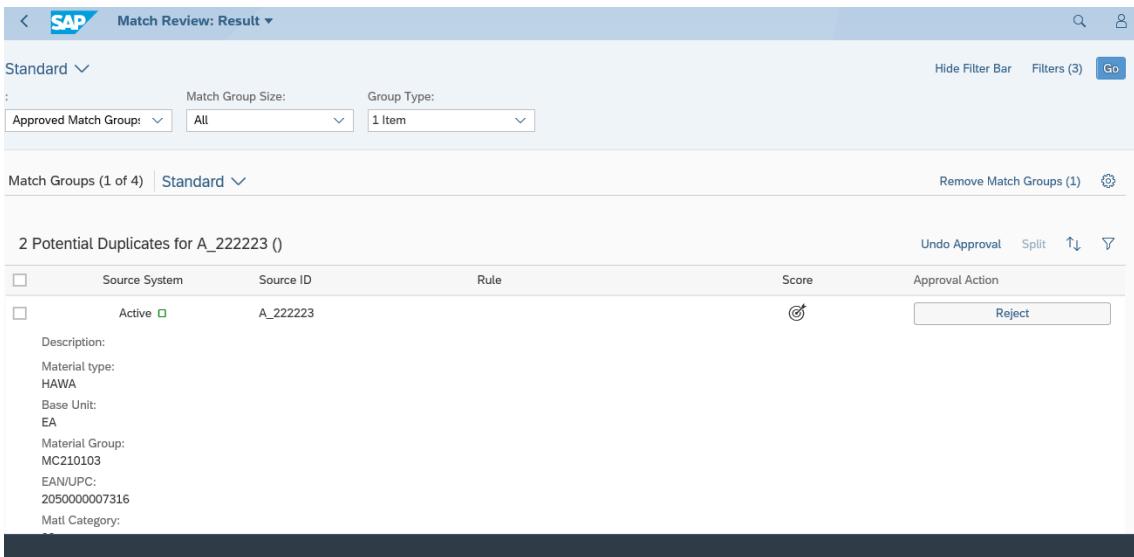
The screenshot shows the SAP Consolidation Process interface. At the top, it says "Data Source: 2 Data Sources". Below this, there are step messages: Validation (100%), Matching (100%), Best Record Calcul... (0%), Validation (0%), and Activation (0%). The main area shows "Step Messages" with 0 Errors and 0 Warnings. On the right, there is a "Results (Matching)" section with a bar chart for "Open Match Groups" (3) and a smaller bar for "Approved Match Groups" (1, highlighted with a red box). A "Match Group Information" table shows counts for Open (3), Approved (1), and Rejected (0) status. At the bottom, there are buttons for Continue, Retry, Rollback, Save, Delete, and Show Audit Trail.

10. Click on “Show Details” button to review the records.



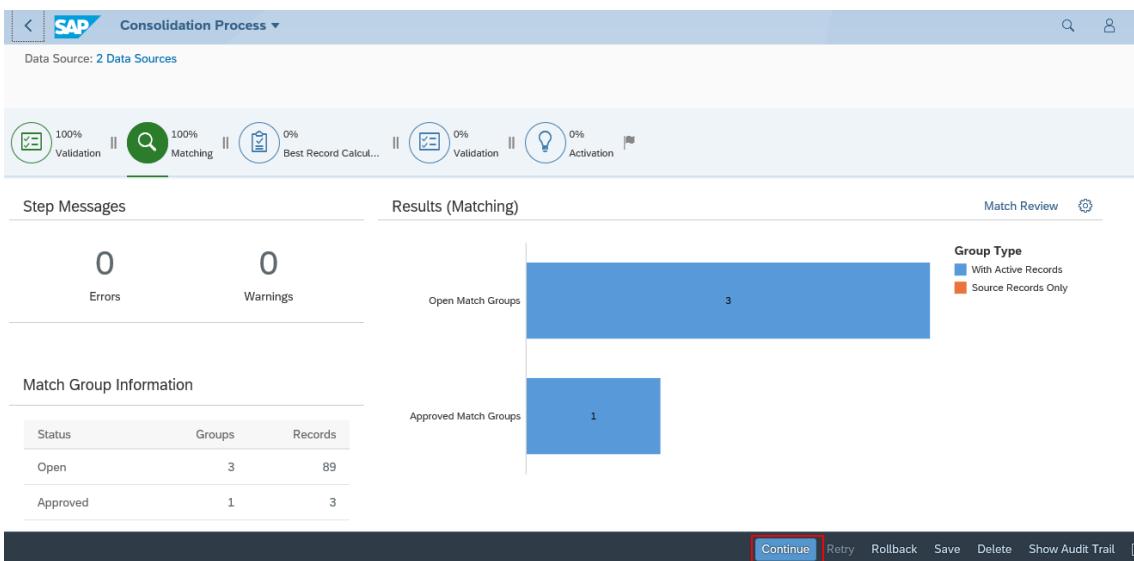
The screenshot shows the SAP Consolidation Process interface again. It displays the same step messages and results as the previous screenshot. In the "Approved Match Groups" section, a context menu is open over the bar chart, with the "Show Details" option highlighted (also with a red box). The "Match Group Information" table remains the same, showing 1 Approved record.

The following screen shows the approved match groups.



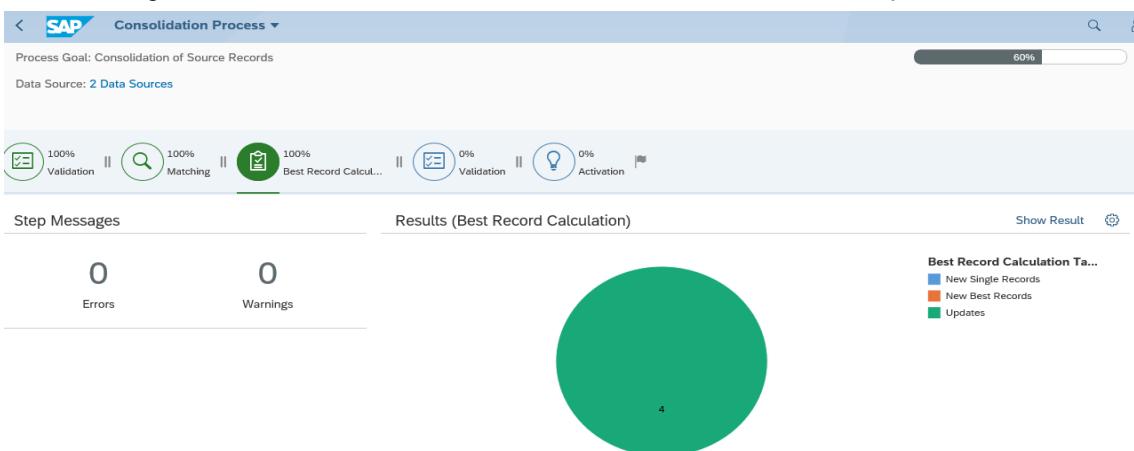
This screenshot shows the SAP Match Review: Result interface. At the top, there are filters for 'Match Group Size' (Approved Match Group: All, 1 Item) and 'Group Type'. Below the filters, it says 'Match Groups (1 of 4) Standard'. On the right, there are buttons for 'Remove Match Groups (1)', 'Undo Approval', 'Split', and 'Go'. The main area displays a table for '2 Potential Duplicates for A_222223'. The table has columns: Source System, Source ID, Rule, Score, and Approval Action. One row is shown for 'Active' with Source ID 'A_222223'. The approval action button is labeled 'Reject'. Below the table, detailed material information is listed: Description, Material type (HAWA), Base Unit (EA), Material Group (MC210103), EAN/UPC (2050000007316), and Matl Category.

11. Click on “Back” button to navigate to home page.
12. Click on “Continue” button to proceed to the next step i.e. best record calculation.



This screenshot shows the SAP Consolidation Process interface. At the top, it says 'Data Source: 2 Data Sources'. Below that, a progress bar shows steps: Validation (100%), Matching (100%), Best Record Calcul... (0%), Validation (0%), and Activation (0%). The main area is titled 'Step Messages' and 'Results (Matching)'. It shows 0 Errors and 0 Warnings. Under 'Open Match Groups', there is a large blue bar with the number 3. The 'Group Type' legend indicates 'With Active Records' (blue) and 'Source Records Only' (orange). Below this, 'Match Group Information' shows a table with 'Status', 'Groups', and 'Records'. Under 'Approved Match Groups', there is a smaller blue bar with the number 1. At the bottom, there are buttons for 'Match Review', 'Continue' (which is highlighted with a red box), 'Retry', 'Rollback', 'Save', 'Delete', and 'Show Audit Trail'.

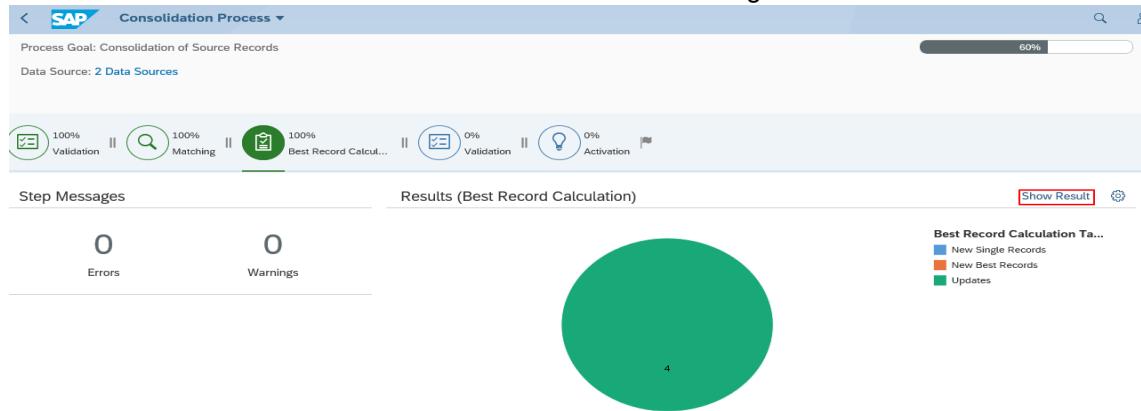
The following screen shows the results of the “Best Record Calculation” step.



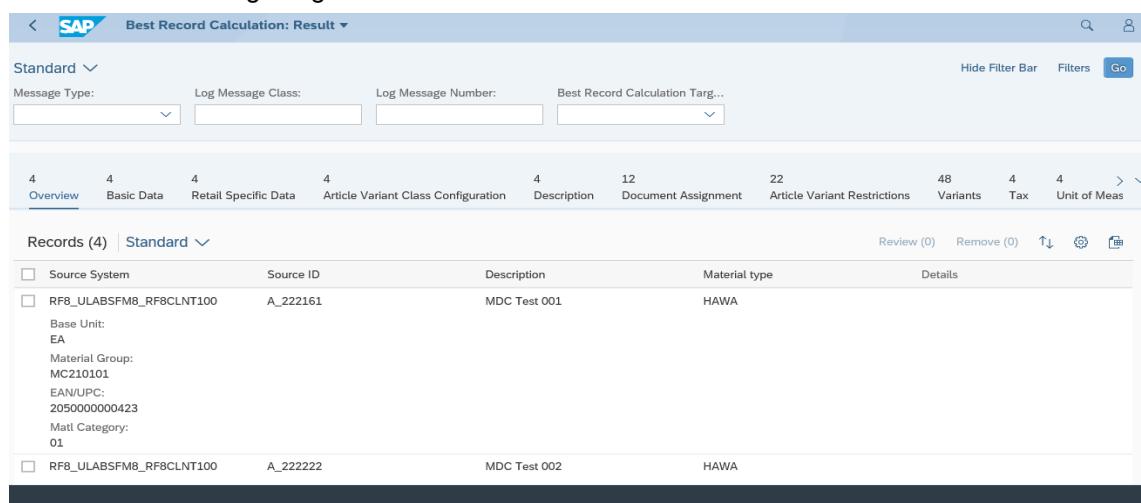
This screenshot shows the SAP Consolidation Process interface, specifically the 'Best Record Calculation' step. At the top, it says 'Process Goal: Consolidation of Source Records' and 'Data Source: 2 Data Sources'. A progress bar shows the step is at 60%. Below that, a progress bar shows steps: Validation (100%), Matching (100%), Best Record Calcul... (100%), Validation (0%), and Activation (0%). The main area is titled 'Step Messages' and 'Results (Best Record Calculation)'. It shows 0 Errors and 0 Warnings. A large green circle with the number 4 is displayed. The 'Best Record Calculation' legend indicates: New Single Records (blue), New Best Records (orange), and Updates (green).

The records are differentiated and represented in the graph as new single records, new best records, or updates with different color conventions.

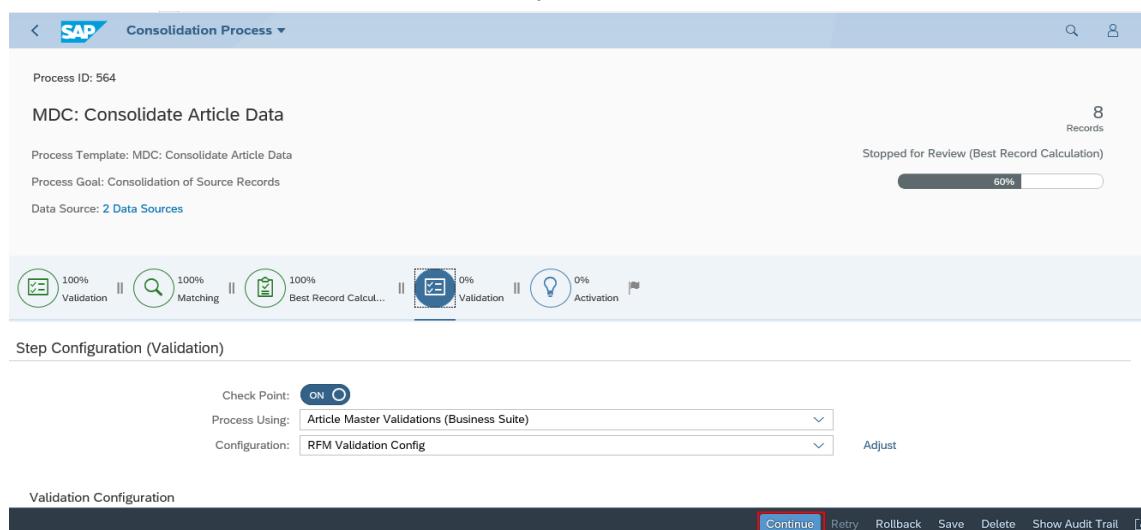
13. You can click on the “Show Results” button to review and change the data if needed.



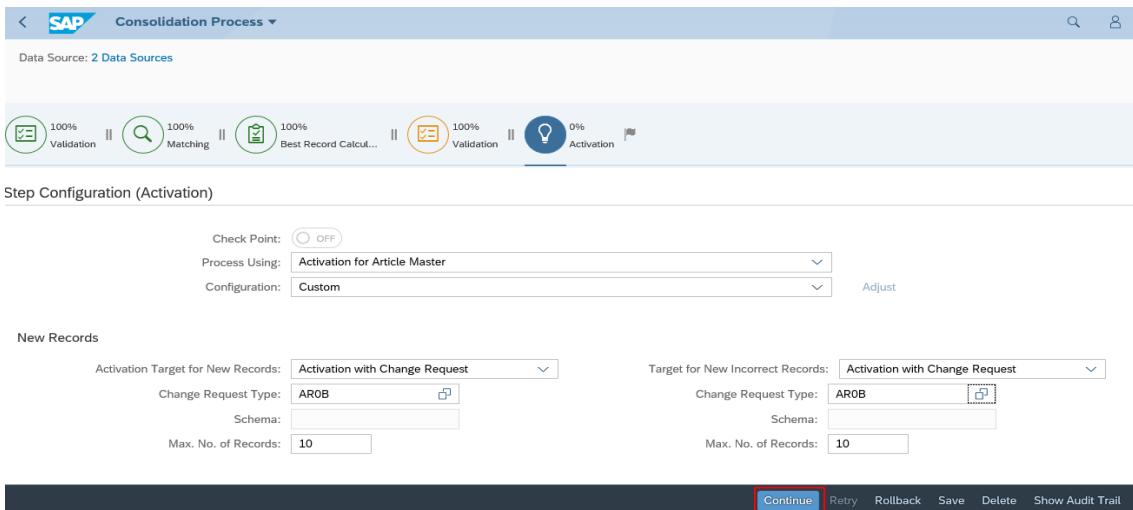
The following screen shows the records to be considered for creation and updating. In case of update scenario, the changes can be viewed by navigating to the “Details” column of the overview tab to view the changes against the records.



14. Click on “Back” button to navigate to home page.
15. Click on “Continue” button to run the next step i.e. validation.



16. Click on “Continue” button to run the next step i.e. Activation



Step Configuration (Activation)

Check Point: OFF

Process Using: Activation for Article Master

Configuration: Custom

New Records

Activation Target for New Records: Activation with Change Request

Change Request Type: AR0B

Schema:

Max. No. of Records: 10

Target for New Incorrect Records: Activation with Change Request

Change Request Type: AR0B

Schema:

Max. No. of Records: 10

Continue Retry Rollback Save Delete Show Audit Trail

Note

In case the direct activation option is used, the data gets created in backend and does not go through the governance process.

17. Launch t-code NWBC. Use the role “/UGI4/MDGRFM_MENU” to navigate to the Change Requests created.

The CR of type AR0B is created with username as SAP_WFRT (background used).

18. To search for the Change Request created, Launch t-code “NWBC”. Use the role “/UGI4/MDGRFM_MENU” to navigate to the Article screens.

19. Click on Reporting->My change requests. You can filter the change requests by using the “Changed By” as “SAP” user.

Note

The created and updated records are included in separate change requests.

The following screen shows the Change Requests created upon activation.



My Change Requests

Name: [REDACTED]

1572 New Record: UIPL_ARTICLE_S203 Changes to Be Executed 26.11.2019 SAP_WFRT

20. Click on Change Request 1572(Creation process).

21. Open the Change Request created, click on “Check” button to perform validation.

Messages will appear on the screen, if any.

SAP

Approve Change Request

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

Change Request: 1572 Type: Article Load DIF Status: Changes to Be Executed

Overview Changes Notes Attachments

Processing: You are the processor of the change request

* Description: Due Date:

Priority:

Created On: 26.11.2019 19:18:49 Created By: SAP_WFRT

Changed On: 26.11.2019 19:18:53 Changed By: SAP_WFRT

Finalized On: Finalized By:

Notes / Attachments

Notes: 0 note(s) exist(s)

Attachments: 0 attachment(s) exist(s)

Objects

| Entity Type | Number |
|-------------|--------|
| Article | 1 |

Save Approve Reject Close

SAP Approve Change Request

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

Change Request: 1572 Type: Article Load DIF Status: Changes to Be Executed

Overview Changes Notes Attachments

General Data

Processing: You are the processor of the change request

* Description: New Record: UIPL_ARTICLE_S203 Due Date:

Priority:

Created On: 26.11.2019 19:18:49 Created By: SAP_WFRT

Changed On: 26.11.2019 19:18:53 Changed By: SAP_WFRT

Finalized On: Finalized By:

Notes / Attachments

Notes: 0 note(s) exist(s)

All 3

External Merchandise Category DMM165-031 do...

Validity date is in the past

Validity date is in the past

22. Click on the “Approve” button.

SAP

Approve Change Request

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

Change Request: 1572 Type: Article Load DIF Status: Changes to Be Executed

Overview **Changes** Notes Attachments

Show Objects of Entity Type: Article ▾

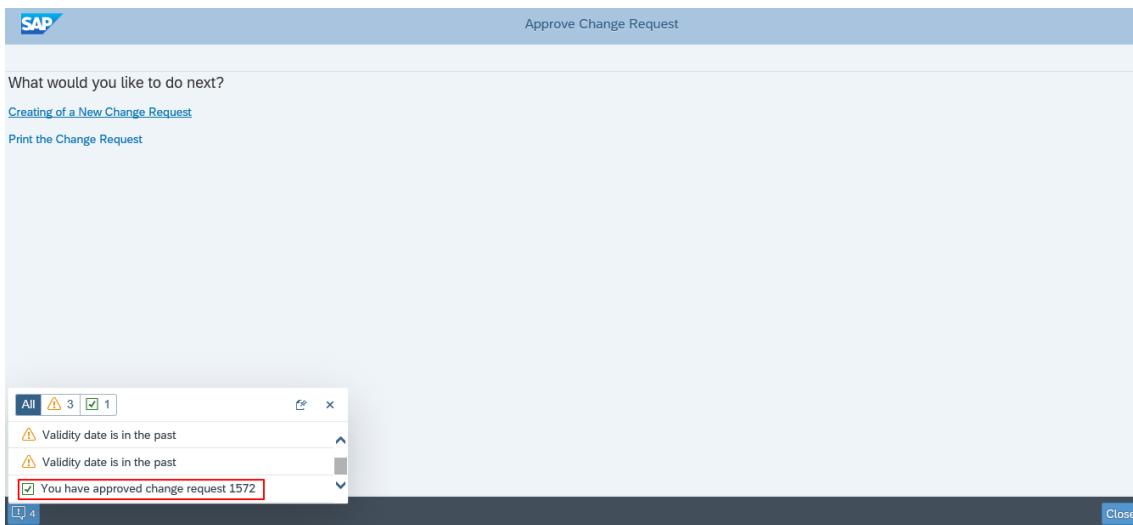
Article: Objects to Be Changed

| Print Version | Export ▾ | Single Processing | Mass Change | Add Row ▾ | Delete Row(s) | Display Changes |
|-------------------------------------------------------|--------------------------|-----------------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> Article | | | | | Description | Changed |
| <input checked="" type="checkbox"/> UIPL_ARTICLE_S203 | | | | | MDC Test desc change | <input checked="" type="checkbox"/> |

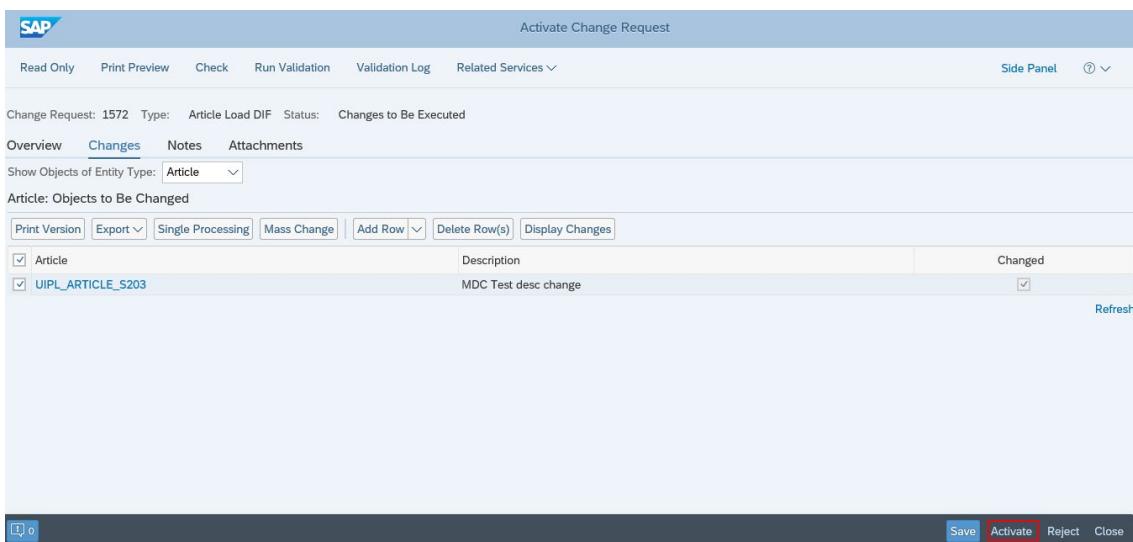
[Refresh](#)

Save Approve Reject Close

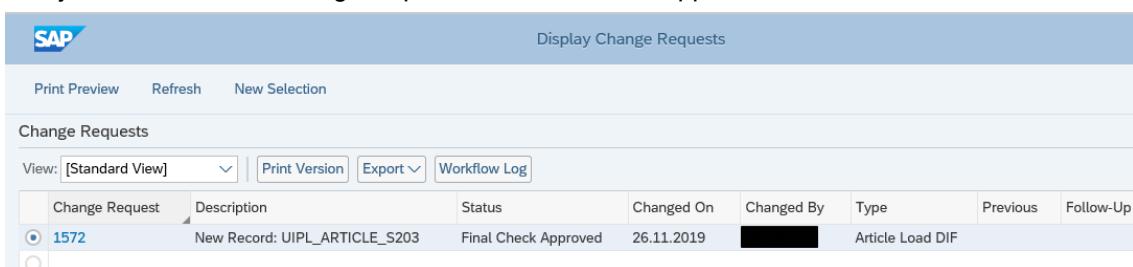
The following success message appears as "You have approved the change request XX".



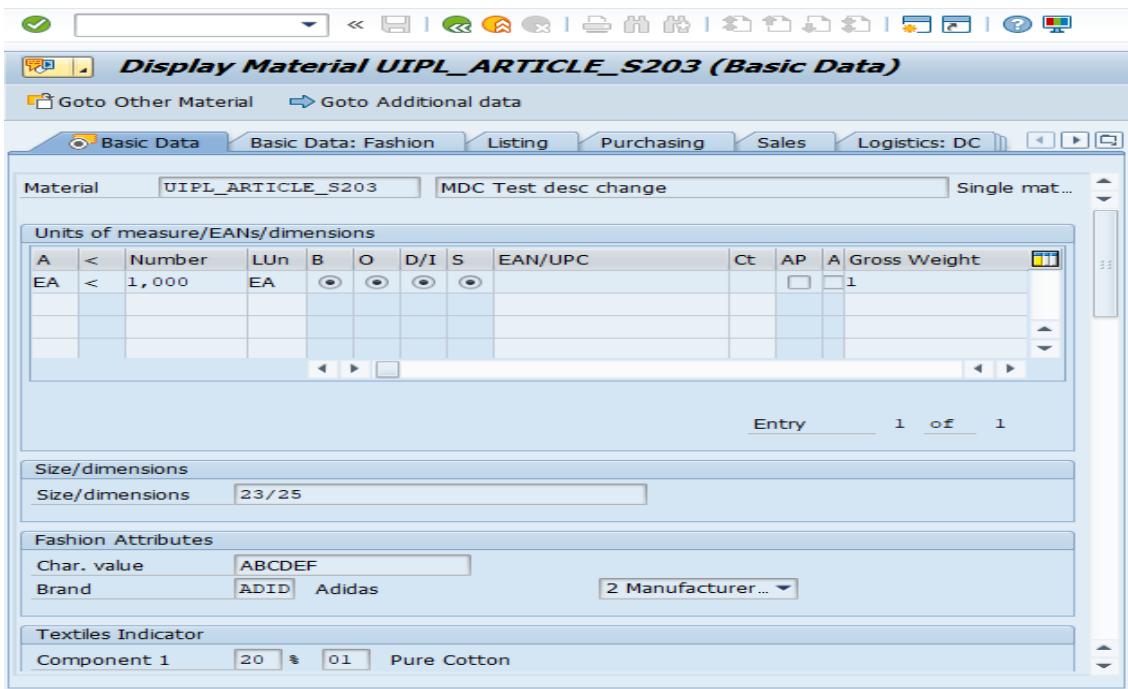
23. Activate change request by clicking on “Activate” button.



24. Verify the status of the change request as “Final Check Approved”.

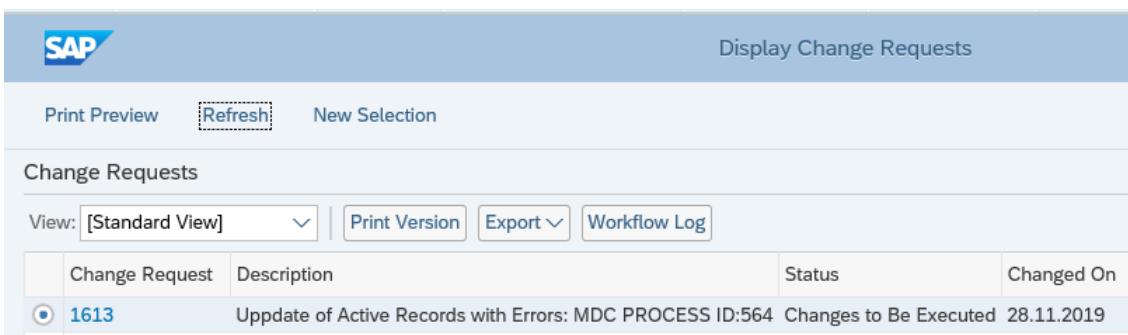


The following screen shows the new record which is created through the Change Request.



The screenshot shows the SAP Fiori interface for displaying material data. The title bar reads "Display Material UIPL_ARTICLE_S203 (Basic Data)". The main area contains several tabs: Basic Data, Basic Data: Fashion, Listing, Purchasing, Sales, and Logistics: DC. The "Basic Data" tab is selected. Below the tabs, there's a search bar with "Material" and "UIPL_ARTICLE_S203" entered, and a note "MDC Test desc change". A "Single mat..." button is also present. The main content area is divided into sections: "Units of measure/EANs/dimensions", "Size/dimensions", "Fashion Attributes", and "Textiles Indicator". The "Units of measure/EANs/dimensions" section includes a table with columns for A, <, Number, LUn, B, O, D/I, S, EAN/UPC, Ct, AP, and A. The "Size/dimensions" section shows "23 / 25". The "Fashion Attributes" section shows "Char. value ABCDEF" and "Brand ADID Adidas". The "Textiles Indicator" section shows "Component 1 20 * 01 Pure Cotton".

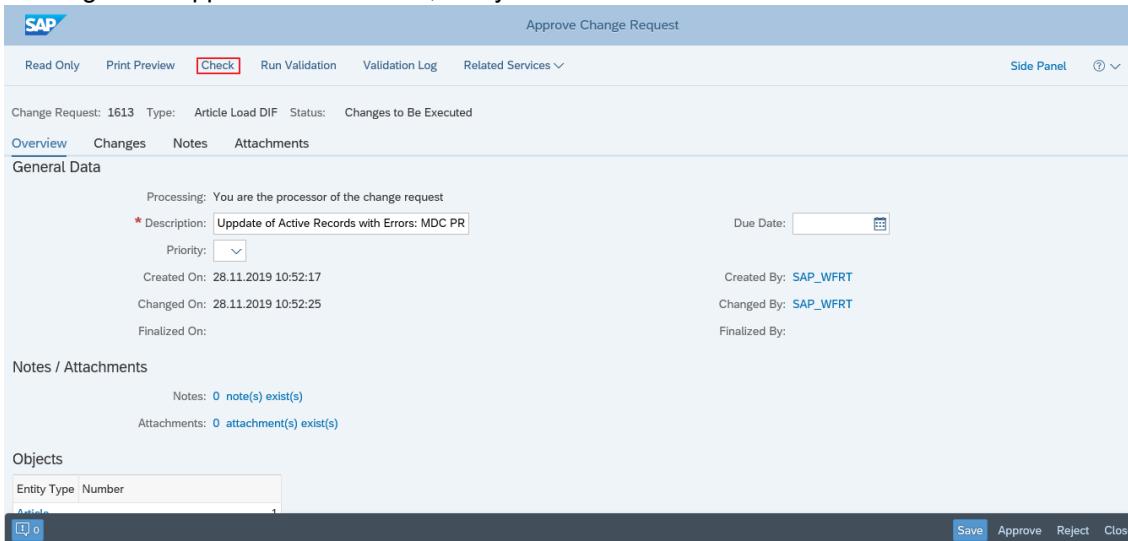
25. Click on the Change Request with description starting with text “Update of Active Record...” to view the updated records.



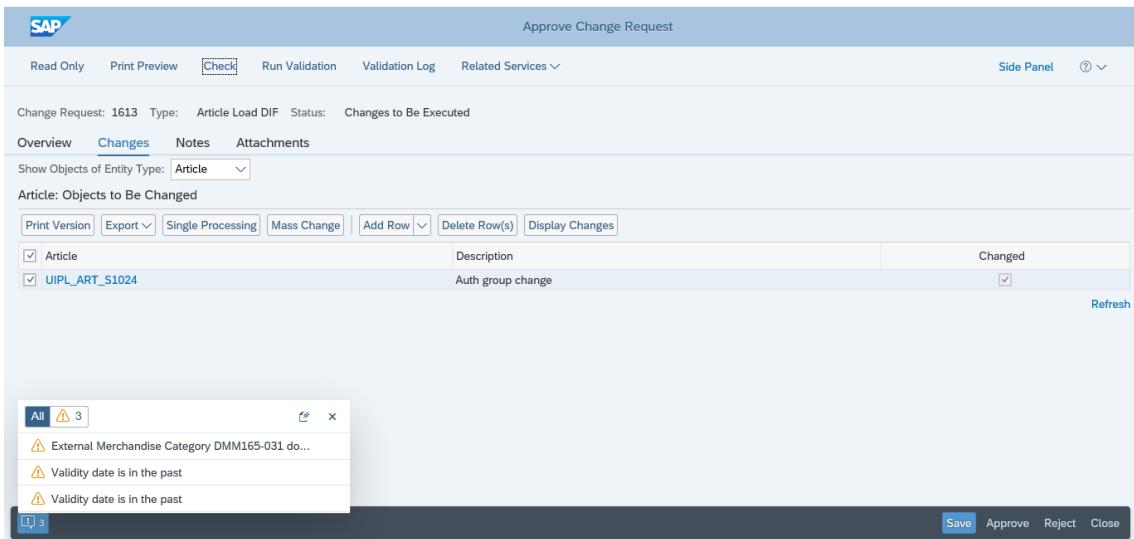
The screenshot shows the SAP Fiori interface for displaying change requests. The title bar reads "Display Change Requests". The main area has buttons for "Print Preview", "Refresh", and "New Selection". Below that is a section titled "Change Requests" with a table. The table has columns for "Change Request", "Description", "Status", and "Changed On". There is one row visible, showing "1613" as the change request number, the description "Uppdate of Active Records with Errors: MDC PROCESS ID:564 Changes to Be Executed", and the date "28.11.2019" under "Changed On".

26. Open the Change Request created, click on “Check” button to perform validation.

Messages will appear on the screen, if any.

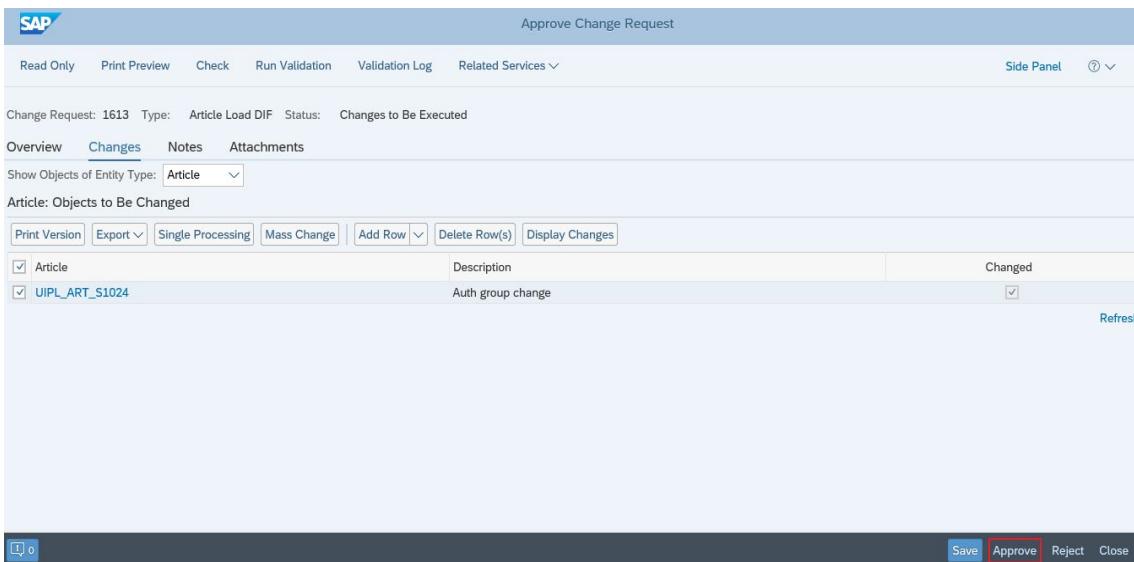


The screenshot shows the SAP Fiori interface for approving a change request. The title bar reads "Approve Change Request". The main area has buttons for "Read Only", "Print Preview", "Check" (which is highlighted), "Run Validation", "Validation Log", and "Related Services". The "Check" button is highlighted with a red border. Below that is a message: "Change Request: 1613 Type: Article Load DIF Status: Changes to Be Executed". There are tabs for "Overview", "Changes", "Notes", and "Attachments", with "Overview" selected. The "General Data" section contains fields for "Description" (set to "Uppdate of Active Records with Errors: MDC PR"), "Priority" (dropdown menu), "Created On" (28.11.2019 10:52:17), "Changed On" (28.11.2019 10:52:25), "Finalized On" (empty), "Due Date" (dropdown menu), "Created By" (SAP_WFRT), "Changed By" (SAP_WFRT), and "Finalized By" (empty). The "Notes / Attachments" section shows "Notes: 0 note(s) exist(s)" and "Attachments: 0 attachment(s) exist(s)". The "Objects" section shows a table with columns "Entity Type" and "Number", containing one entry. At the bottom right are buttons for "Save", "Approve", "Reject", and "Close".



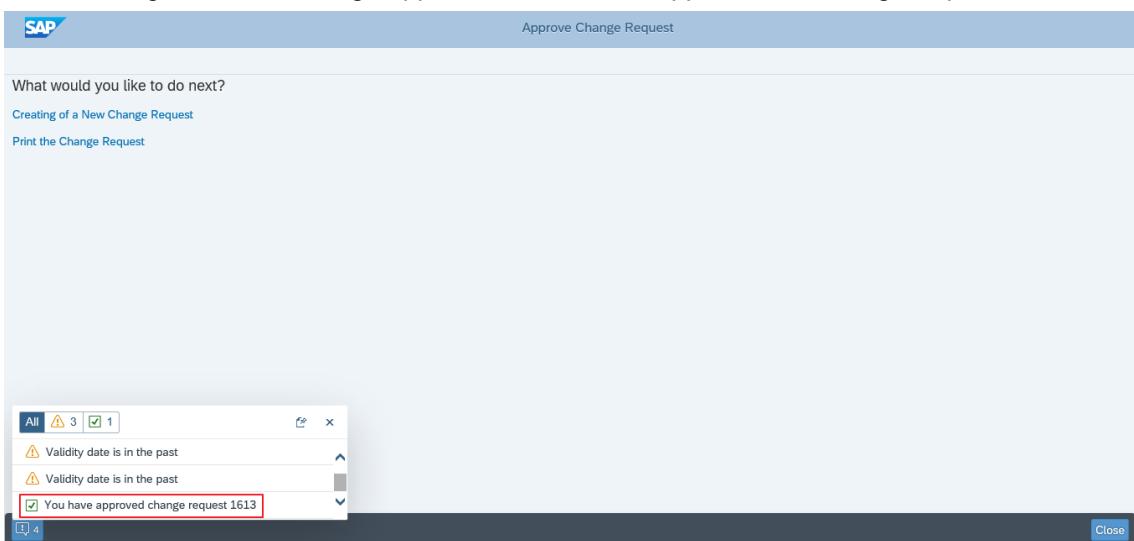
The screenshot shows the SAP Approve Change Request interface. At the top, it displays 'Approve Change Request'. Below that, the status is 'Change Request: 1613 Type: Article Load DIF Status: Changes to Be Executed'. The 'Changes' tab is selected. A message bar at the bottom indicates 'All 3' validation errors: 'External Merchandise Category DMM165-031 do...', 'Validity date is in the past', and 'Validity date is in the past'. The 'Approve' button is highlighted with a red border.

27. Click on the “Approve” button.



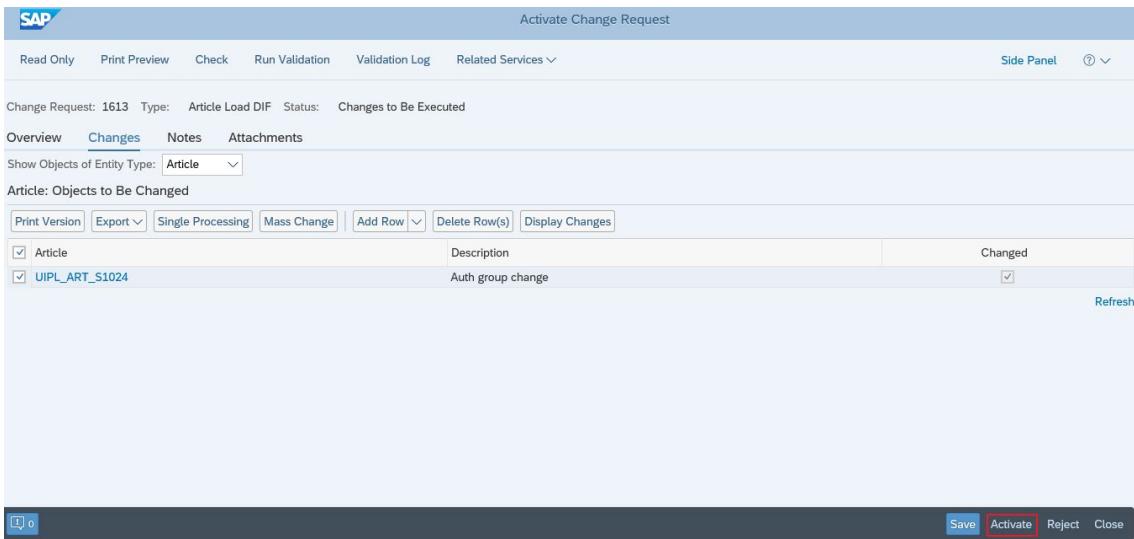
The screenshot shows the SAP Approve Change Request interface after the change request has been approved. The validation errors now include a success message: 'You have approved change request 1613'. The 'Approve' button is no longer highlighted.

The following success message appears as “You have approved the change request XX”.

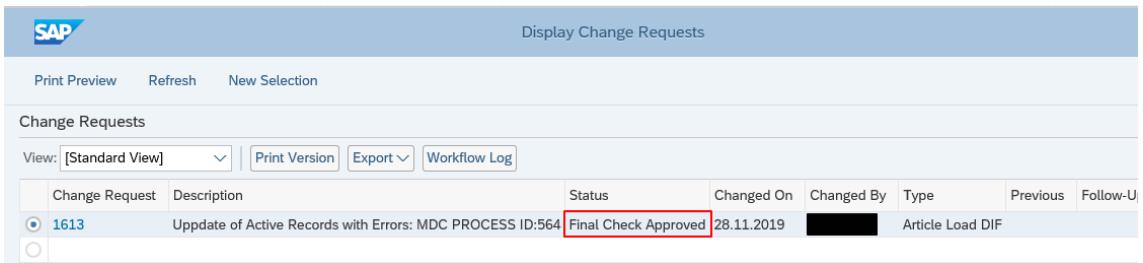


The screenshot shows the SAP Approve Change Request interface after the change request has been approved. The validation errors now include a success message: 'You have approved change request 1613'. This message is highlighted with a red border.

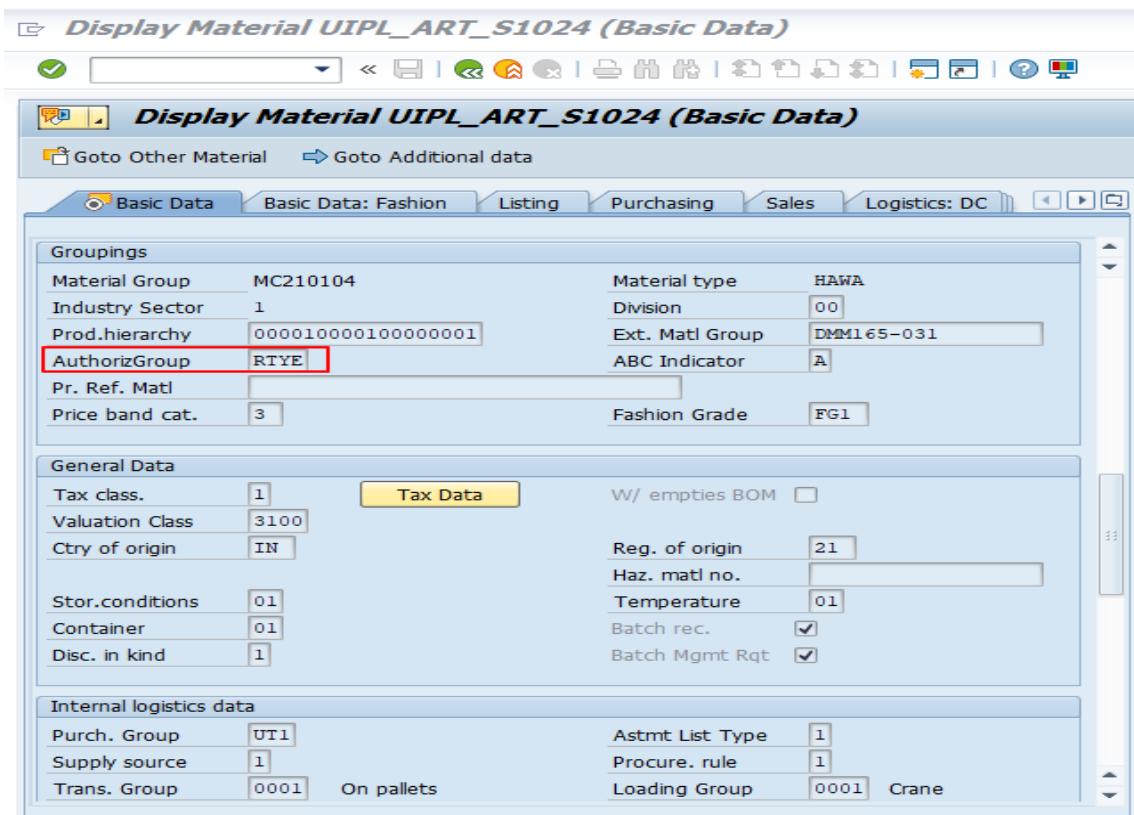
28. Activate change request by clicking on “Activate” button.



29. Verify the status of the Change Request as “Final Check Approved”.



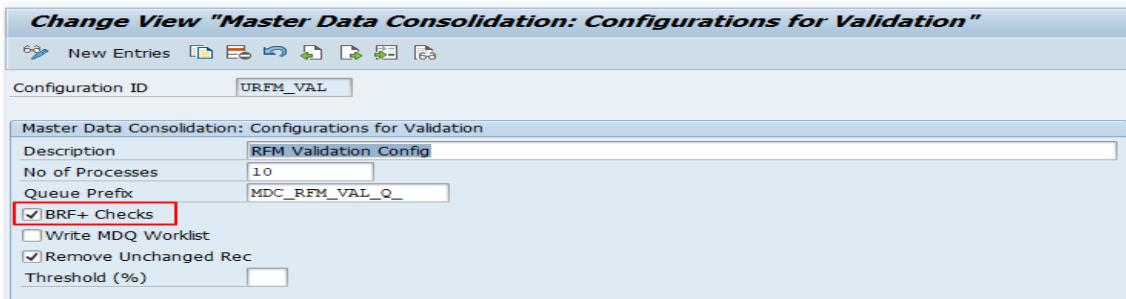
30. Run t-code “MM43” and verify that updated article master data.



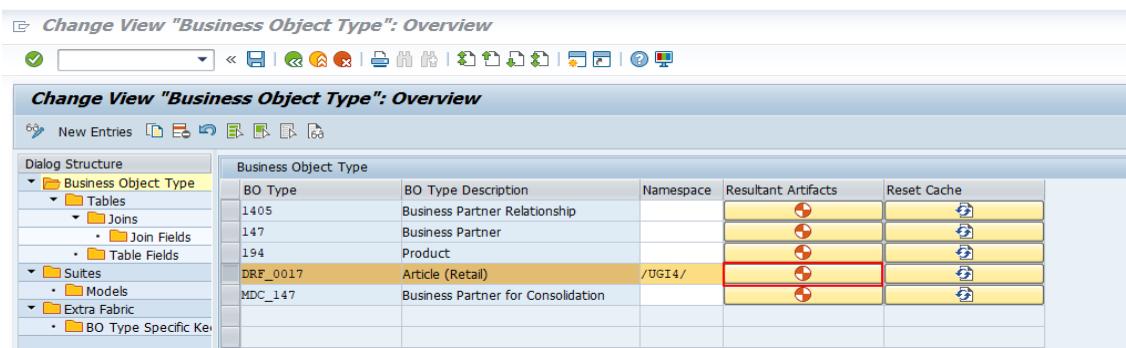
Appendix A

You can use the following steps to configure the BRF+ application integrated with validation step in MDC.

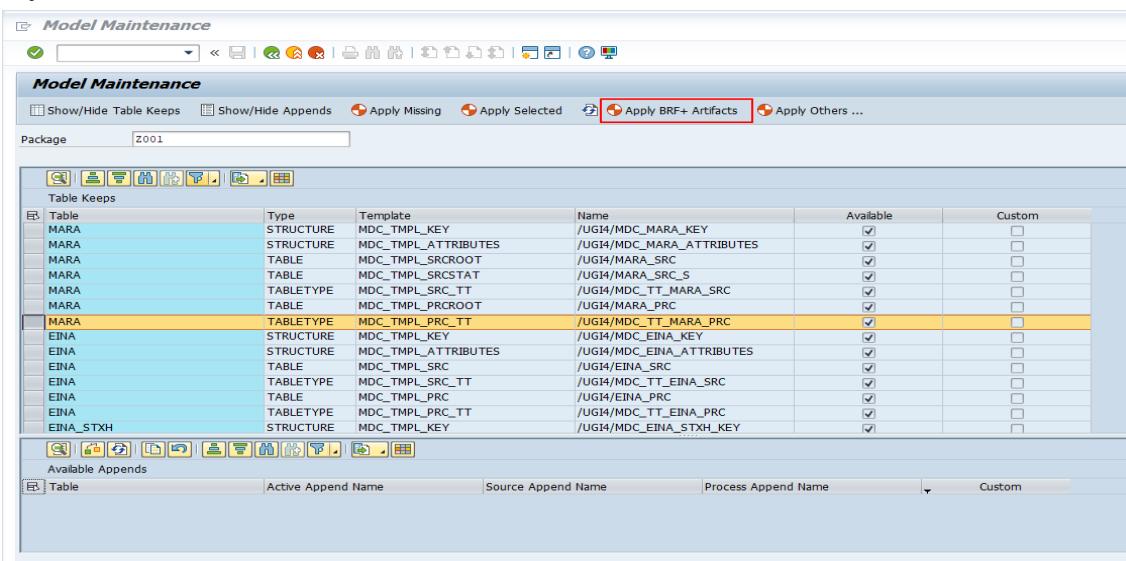
1. Run t-code MDCIMG. Navigate through the customizing path: Master Data Governance, Consolidation and Mass Processing > Configure Validation.
2. Mark the checkbox “BRFplus Checks” as shown in the following screen.



3. Navigate to customizing path: Master Data Governance, Consolidation and Mass Processing > Configure Process Models and Field Properties > Configure Process Models.
4. Select the “BO type” as “DRF_0017”.
5. Click on the “Resultant Artifacts” column.



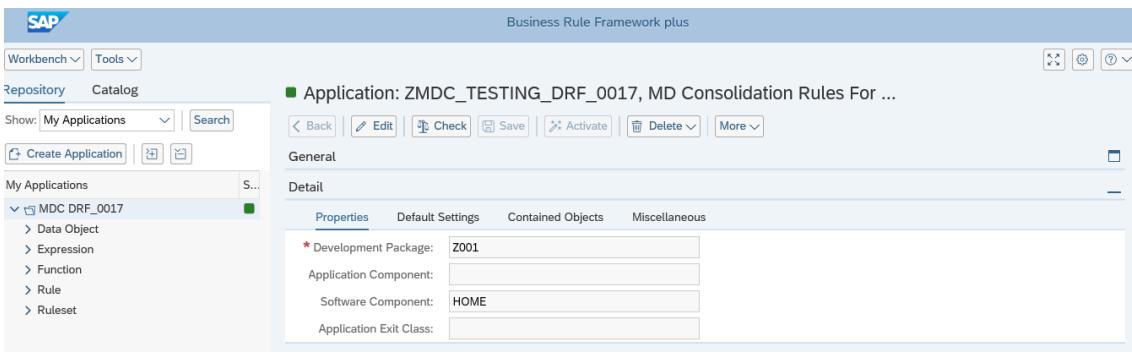
6. Provide the package in customer namespace.
7. Click on “Apply BRF+ Artifacts”. This will generate the BRFplus application with all the required objects used to further define the business rules for data enrichment.



8. Once the artifacts are generated successfully, a pop up appears with the detailed messages.

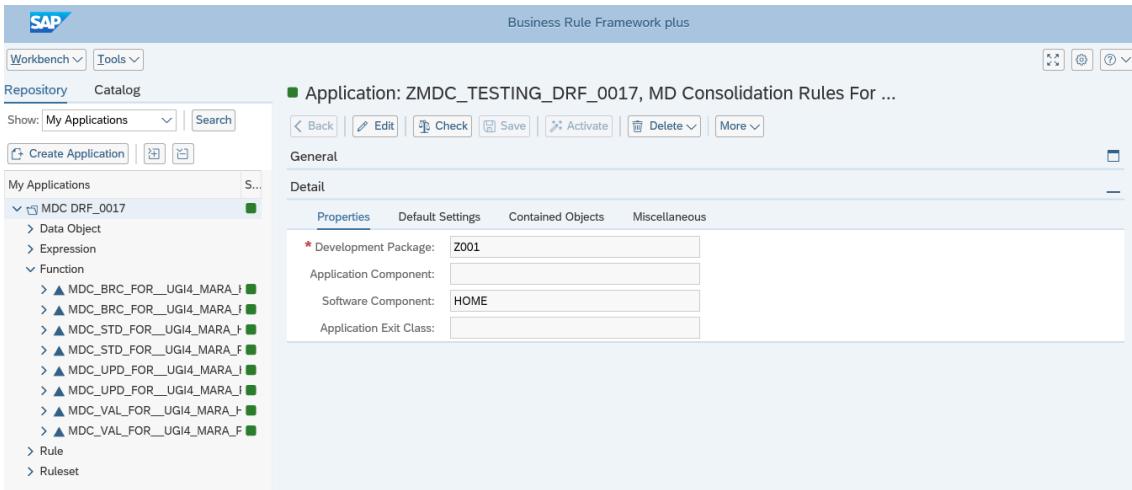
| Error Log | | |
|-----------|--------------------|------------------------------------------------------------|
| Type | Name of the column | Message Text |
| | | Created BRF+ application ZMDC_TESTING_DRF_0017 |
| | | Object ZMDC_TESTING_DRF_0017 successfully activated |
| | | Object ZMDC_TESTING_DRF_0017 successfully activated |
| | | Object MDC_INITIALIZE_NUMBER successfully activated |
| | | Object MDC_LOG_EXT_ID successfully activated |
| | | Object MDC_VALIDATION_STATUS successfully activated |
| | | Object MDC_TABLE_OF_UGI4_MARA_PRC successfully activated |
| | | Object MDC_VAL_FOR_UGI4_MARA_PRC successfully activated |
| | | Object MDC_STD_FOR_UGI4_MARA_PRC successfully activated |
| | | Object MDC_BRC_FOR_UGI4_MARA_PRC successfully activated |
| | | Object MDC_UPD_FOR_UGI4_MARA_PRC successfully activated |
| | | Object MDC_LOOP_AT_UGI4_MARA_PRC successfully activated |
| | | Object MDC_BEST_OF_UGI4_MARA_PRC successfully activated |
| | | Object MDC_GET_BEST_UGI4_MARA_PRC successfully activated |
| | | Object MDC_TABLE_OF_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_VAL_FOR_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_STD_FOR_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_BRC_FOR_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_UPD_FOR_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_LOOP_AT_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_BEST_OF_UGI4_MARA_HIERP successfully activated |
| | | Object MDC_GET_BEST_UGI4_MARA_HIERP successfully activated |

9. Launch t-code BRFplus. Ensure that the following application named “MDC_DRF_0017” is generated. Each function corresponds to separate table.



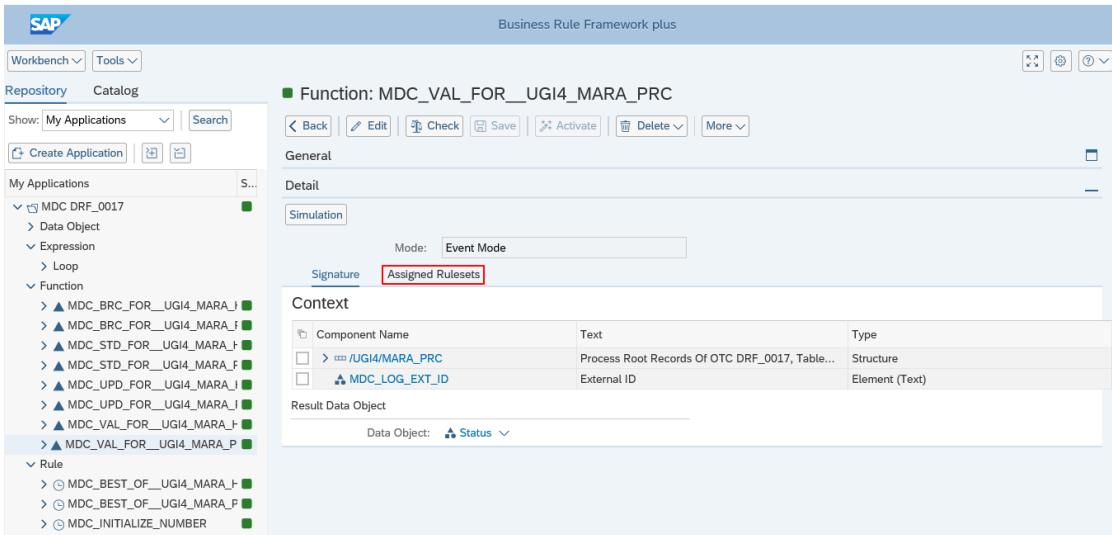
The screenshot shows the SAP BRFplus interface. In the left navigation bar, under 'My Applications', the application 'MDC DRF_0017' is selected. The right panel displays the 'General' details for this application, including fields for Development Package (Z001), Application Component, Software Component (HOME), and Application Exit Class.

The following functions are created corresponding to each of the Process tables.



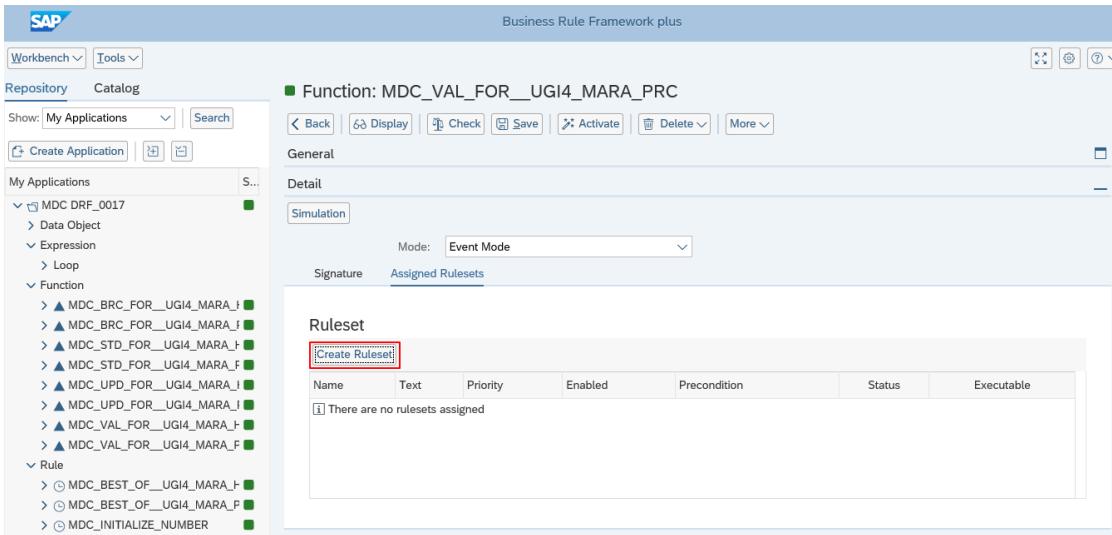
This screenshot shows the SAP BRFplus interface again, but this time the application 'MDC_DRF_0017' is selected. The left navigation bar shows a large number of generated functions under 'Function', including various MDC_BRC, MDC_STD, MDC_UPD, and MDC_VAL functions for UGI4_MARA_PRC and UGI4_MARA_HIERP. The right panel shows the same general details as the previous screenshot.

10. Choose any function say “MDC_VAL_FOR_UGI4_MARA_PRC”. Navigate to “Assigned Rulesets” tab. Click on “Create Ruleset” button.
11. Provide the name of the ruleset and description. Save in the transport request.



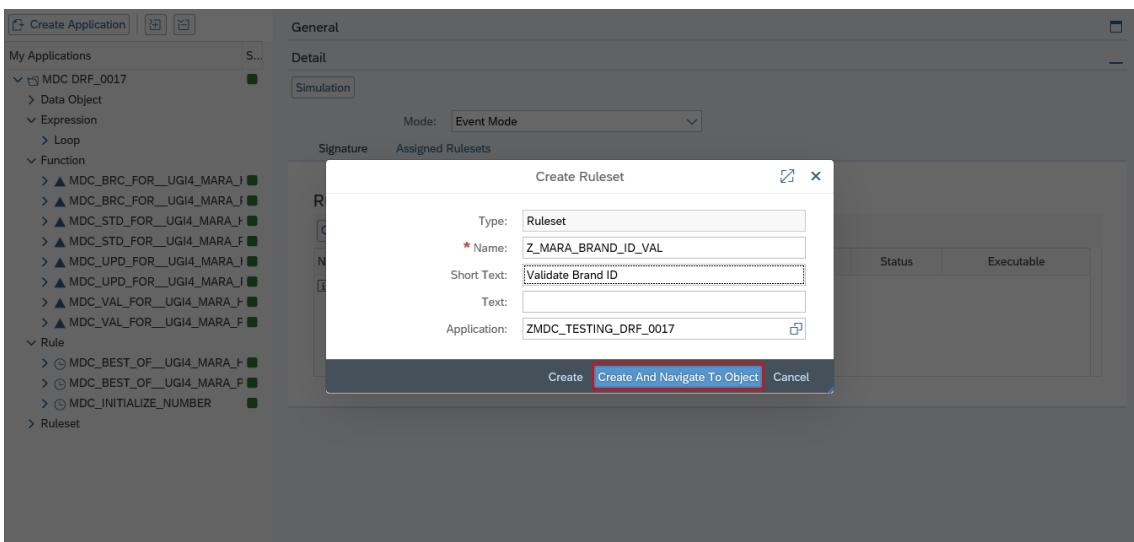
The screenshot shows the SAP Business Rule Framework plus interface. On the left, there's a tree view of applications, with 'MDC DRF_0017' expanded to show 'Data Object', 'Expression', 'Loop', 'Function', and 'Rule'. Under 'Function', several functions are listed, including MDC_BRC_FOR_UGI4_MARA_I, MDC_BRC_FOR_UGI4_MARA_F, MDC_STD_FOR_UGI4_MARA_I, MDC_STD_FOR_UGI4_MARA_F, MDC_UPD_FOR_UGI4_MARA_I, MDC_UPD_FOR_UGI4_MARA_F, MDC_VAL_FOR_UGI4_MARA_I, MDC_VAL_FOR_UGI4_MARA_F, and MDC_VAL_FOR_UGI4_MARA_P. The 'Function: MDC_VAL_FOR_UGI4_MARA_PRC' page is displayed. The 'Signature' tab is selected, showing the signature > /UGI4/MARA_PRC. The 'Assigned Rulesets' tab is also visible. Below the tabs, there's a 'Context' section with a table showing Component Name, Text, and Type for entries like /UGI4/MARA_PRC (Text, Structure) and MDC_LOG_EXT_ID (External ID, Element). A 'Result Data Object' section shows a dropdown for Data Object: Status.

12. Create ruleset by clicking on “Create Ruleset” button.



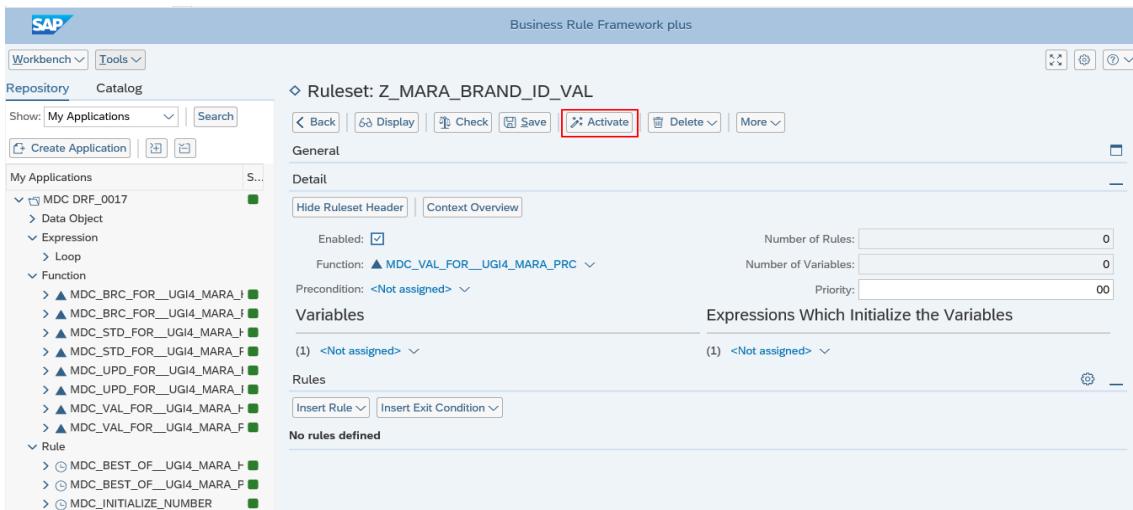
This screenshot shows the same SAP Business Rule Framework plus interface as the previous one, but with the 'Ruleset' tab selected. The 'Assigned Rulesets' tab is still visible. A red box highlights the 'Create Ruleset' button in the 'Ruleset' section. The 'Ruleset' table below it is currently empty, displaying a message: 'There are no rulesets assigned'.

13. Enter details regarding ruleset on following pop-up page and click on “Create And Navigate To Object” button.



This screenshot shows a 'Create Ruleset' dialog box overlaid on the SAP interface. The dialog has fields for 'Type: Ruleset', 'Name: Z_MARA_BRAND_ID_VAL', 'Short Text: Validate Brand ID', 'Text: ', and 'Application: ZMDC_TESTING_DRF_0017'. At the bottom, there are 'Create' and 'Cancel' buttons, with 'Create' being highlighted with a red box.

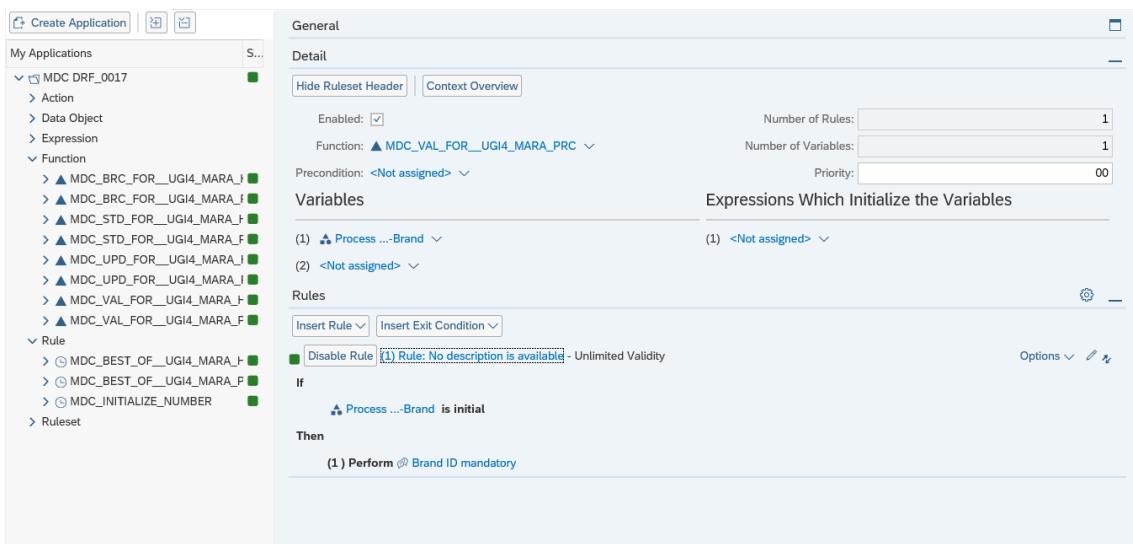
14. Click on “Activate” button to activate the ruleset.



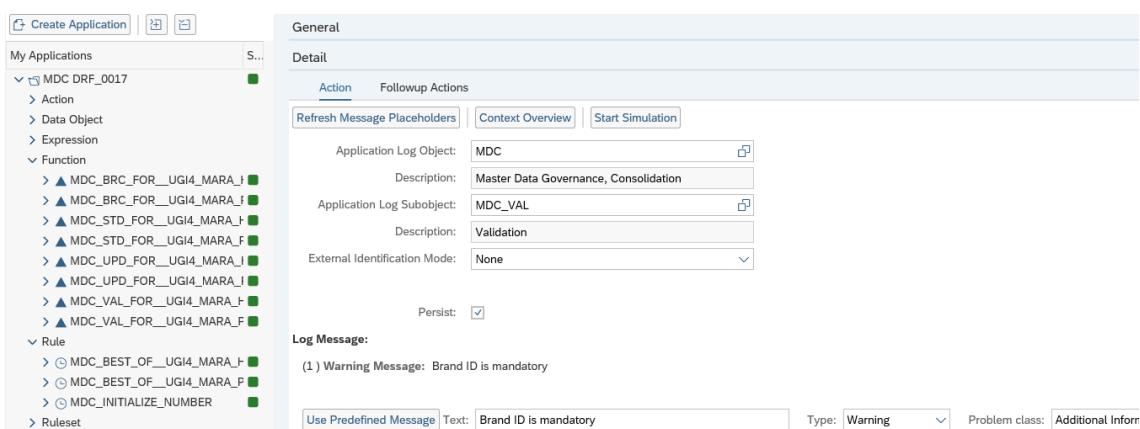
The screenshot shows the SAP Business Rule Framework plus interface. On the left, there's a navigation tree under 'My Applications' for 'MDC DRF_0017'. The right panel displays a 'Ruleset: Z_MARA_BRAND_ID_VAL' configuration. At the top right, there are several buttons: 'Back', 'Display', 'Check', 'Save', 'Activate' (which is highlighted with a red box), 'Delete', and 'More'. Below these buttons, there are sections for 'General' (with 'Enabled' checked), 'Variables' (listing '(1) <Not assigned>'), and 'Rules' (with 'No rules defined').

15. Click on "Insert Rule" and define the rule.

The following screen shows a simple rule on the Inventory field to display an error message "Brand Id mandatory" when the field is not provided.



This screenshot shows the same interface after a rule has been inserted. In the 'Rules' section, there is now a single rule entry: '(1) Rule: No description is available - Unlimited Validity'. This rule has a condition 'If' followed by '(1) ProcessBrand is initial' and an action 'Then' followed by '(1.) Perform Brand ID mandatory'.



This screenshot shows the 'Action' tab of the rule configuration. It includes fields for 'Application Log Object' (MDC), 'Description' (Master Data Governance, Consolidation), 'Application Log Subobject' (MDC_VAL), 'Description' (Validation), and 'External Identification Mode' (None). There is also a 'Persist' checkbox checked. Below this, the 'Log Message' section shows a warning message: '(1.) Warning Message: Brand ID is mandatory'. At the bottom, there are fields for 'Text' (Brand ID is mandatory), 'Type' (Warning), and 'Problem class' (Additional Inform).