

# How-To Guide: Master Data Consolidation and Mass Processing for Functional location

## Applies to

EAM Solutions by Prometheus Group.

## Summary

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

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

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

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## Introduction

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

This document provides the information you require to set up SAP MDG, consolidation and mass processing and use it for mass creation of Functional Locations.

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 IFLOT and all the related tables provided in separate tabs or should be provided with all the key in each of the tabs to uniquely link the related records.

## Configure the 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 Functional Location.

Display View "Master Data Consolidation: Configuration of Adapters": O			
BO Type	Step Type	Process Step Adapter	Adapter Description
185	ACT Activation	/UGI/CL_MDC_ADAPTER_FL_ACT	Activation for FL
185	BRC Best Record Calculat...	/UGI/CL_MDC_ADAPTER_FL_BRC	Functional Location Best Record Calculation
185	EDI Edit	CL_MDC_ADAPTER_EDIT	Interactive Mass Processing
185	FAR Filter & Remove	CL_MDC_ADAPTER_FAR	Filter and Remove
185	MTC Matching	/UGI/CL_MDC_ADAPTER_EAM_MTC	EAM Hana Matching
185	MTC Matching	CL_MDC_ADAPTER_FUZZY_MTC	CL_MDC_ADAPTER_FUZZY_MTC
185	MTC Matching	CL_MDC_ADAPTER_MTC	CL_MDC_ADAPTER_MTC
185	STD Standardization	/UGI/CL_MDC_ADAPTER_FL_VALMAP	Evaluate value mapping for FL
185	STD Standardization	/UGI/CL_MDC_ADAPTER_FLOC_KEYMAP	Evaluate Key mapping for FL
185	STD Standardization	CL_MDC_ADAPTER_BRF_STD	BRFplus
185	UPD Update	CL_MDC_ADAPTER_BRF_UPD	BRFplus
185	VAL Validation	/UGI/CL_MDC_ADAPTER_FL_VAL	FL Validations (Business Suite)

3. Navigate to the customizing 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	Process Template	Proc Tmpl	Description	BO Type	Description	Process Workflow	Name	Process Goal
Process Template	UGI_F_STD	SAP: Load Data-Testing with STD [FL]	185	Installation Point	W554500001	MDC Workflow	C Consolidation o...	<input type="checkbox"/>

The template should be assigned with steps to be considered while running the consolidation of data. The template in following screen has 4 steps including the Validation, Standardization and Activation.

Display View "Process Template Step": Overview							
Dialog Structure		Process Template	Bus. Obj. Type	SAP: Load Data-Testing with STD [FL]	Installation Point		
Process Template		UGI_F_SID	185	SAP: Load Data-Testing with STD [FL]			
<b>Process Template Step</b>							
Step	Step Type	Description	BO Type	Adapter	Config. ID	Check Pt.	Action Control for next step
1	VAL Va...	Validation		/UGI/CL_MDC_ADAPTER_FL_VAL	UFLOC_VAL	<input checked="" type="checkbox"/>	No action control
2	STD St...	Standardization		/UGI/CL_MDC_ADAPTER_FLOC_KEYMAP		<input checked="" type="checkbox"/>	No action control
3	VAL Va...	Validation		/UGI/CL_MDC_ADAPTER_FL_VAL	UFLOC_VAL	<input checked="" type="checkbox"/>	No action control
4	ACT Ac...	Activation		/UGI/CL_MDC_ADAPTER_FL_ACT	SAP_ACT_FL	<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+. Refer [Appendix A](#) for detailed steps to configure the BRF+ checks.

Change View "Master Data Consolidation: Configurations for Validation"	
	New Entries
	BC Set: Change Field Values
Configuration ID	
Configuration ID	UFLOC_VAL
Master Data Consolidation: Configurations for Validation	
Description	Functional Location Validation Config
No of Processes	10
Queue Prefix	MDC_FL_VAL_Q
<input checked="" type="checkbox"/>	MDG Checks
<input checked="" type="checkbox"/>	BRF+ Checks
<input type="checkbox"/>	Write MDQ Worklist
<input type="checkbox"/>	Remove Unchanged Rec
Threshold	10

- The default configuration is “Direct Activation”. This can be changed to “Activation with change request” option.
  - The Change Request of type import FLOC is to be assigned i.e. FUNCLO0B, in case the Activation with Change Request is selected.
  - The value “Max. Rec” can be changed to a value to indicate the number of Functional Location objects allowed per Change Request.
  - Replication is integrated with the Activation step for Direct Activation. The indicated checkbox in the following screen should be marked for the IDocs to be generated after successful activation.

**Display View "Configurations for Activation for FLOC": Details**

Configuration ID / Description	SAP_ACT_FL SAP : FLOC Activation				
<b>Configurations for Activation for FLOC</b>					
No of Processes	10				
Queue Prefix	MDC_FL_ACT_Q				
<b>New Records</b>					
Activation Target for New Records	1 Direct Activation	Type of Chg. Request		Max. Reco	10
Target for New Incorrect Records	N No Activation	Type of Chg. Request		Max. Reco	10
<b>Updated Records</b>					
Activation Target for Updated Records	1 Direct Activation of Best Record	Type of Change Request		Max. Recor	10
Target for New Incorrect Records	N No Activation	Type of Change Request		Max. Recor	10
<b>Match Group</b>					
Activation Target for Match Groups	1 Direct Activation of Best Record	Type of Chg. Request		Max. Recor	10
Target for Incorrect Match Groups	N No Activation	Type of Chg. Request		Max. Recor	10
<b>Replication</b>					
<input checked="" type="checkbox"/> Call DRF after Activation					
<b>Validation</b>					
<input checked="" type="checkbox"/> Execute Central Governance Checks (Validation Rules (BRF+) & BAdI Validations) <input checked="" type="checkbox"/> MDG BRF Checks					

## Mass Create

You can use the following steps to configure the Mass Create using the Master Data Consolidation applications.

## 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 Installation Point from source system provided in the spreadsheet and the superior functional location 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 S23\_ULABSHN23\_S23CLNT100 and the source system for file import is S23\_ULABSHN23\_23CLNT200.

**Key Mapping Installation Point : ?0100000000000000437**

<b>Save</b>															
<input checked="" type="checkbox"/> Changes to the mapping objects are saved															
<b>Object Selection</b>															
* Business Object Type: Installation Point															
* Business System: S23_ULABSHN23_S23CLNT100															
* Object ID Type/Object ID: Installation Point ID (ERP) / ?0100000000000000437															
Show															
<b>Mapped Objects</b>															
Add Row   Change Row   Delete Row   Undo Changes															
<table border="1"> <thead> <tr> <th>*No.</th> <th>*System ID</th> <th>*Business Object Type</th> <th>Object ID Type</th> <th>*Object ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>S23_ULABSHN23_S23CLNT100</td> <td>Installation Point</td> <td>Installation Point ID (ERP)</td> <td>?0100000000000000437</td> </tr> <tr> <td>2</td> <td>S23_ULABSHN23_23CLNT200</td> <td>Installation Point</td> <td>Installation Point ID (ERP)</td> <td>?0100000000000000831</td> </tr> </tbody> </table>	*No.	*System ID	*Business Object Type	Object ID Type	*Object ID	1	S23_ULABSHN23_S23CLNT100	Installation Point	Installation Point ID (ERP)	?0100000000000000437	2	S23_ULABSHN23_23CLNT200	Installation Point	Installation Point ID (ERP)	?0100000000000000831
*No.	*System ID	*Business Object Type	Object ID Type	*Object ID											
1	S23_ULABSHN23_S23CLNT100	Installation Point	Installation Point ID (ERP)	?0100000000000000437											
2	S23_ULABSHN23_23CLNT200	Installation Point	Installation Point ID (ERP)	?0100000000000000831											

## Perform Mass Create

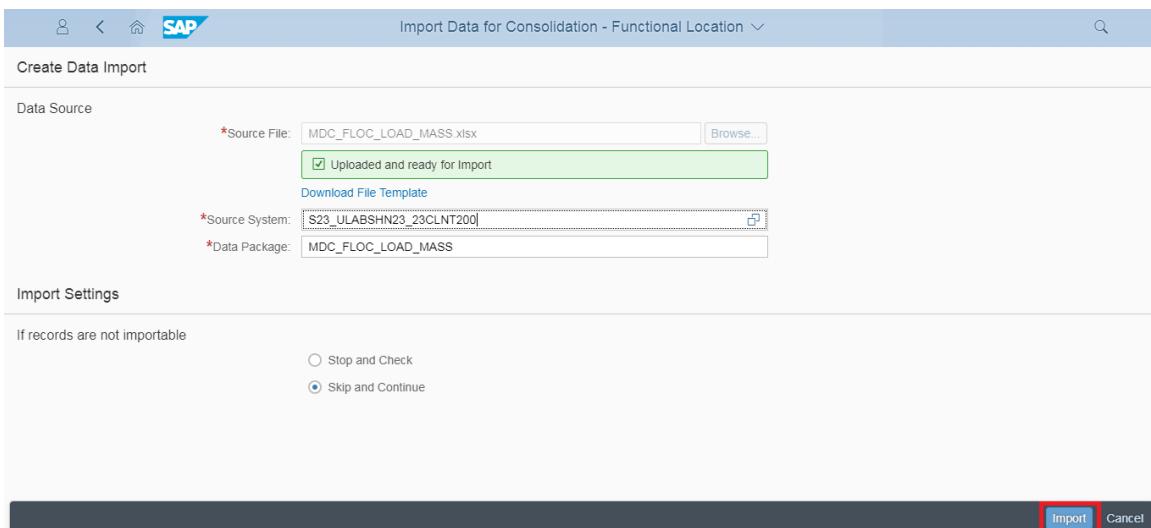
You can use the following steps to Import the data files.

- Run t-code /UI2/FLP. Launch Fiori application “Import Data for Consolidation”.



- Choose the duly filled Excel file for creating the Functional Location data.

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

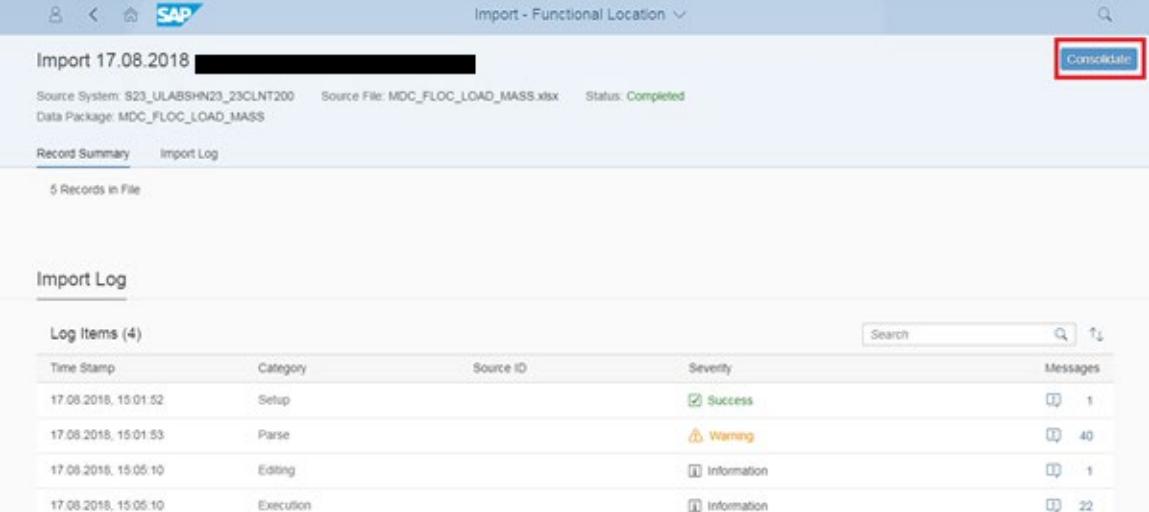


### Note

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- FLOC” application from the “Import data for Consolidation-FLOC” application.



Import 17.08.2018 [REDACTED]

Source System: S23\_ULABSHN23\_23CLNT200    Source File: MDC\_FLOC\_LOAD\_MASS.xlsx    Status: Completed

Data Package: MDC\_FLOC\_LOAD\_MASS

Record Summary    Import Log

5 Records In File

**Import Log**

Time Stamp	Category	Source ID	Severity	Messages
17.08.2018, 15:01:52	Setup		Success	1
17.08.2018, 15:01:53	Parse		Warning	40
17.08.2018, 15:05:10	Editing		Information	1
17.08.2018, 15:05:10	Execution		Information	22

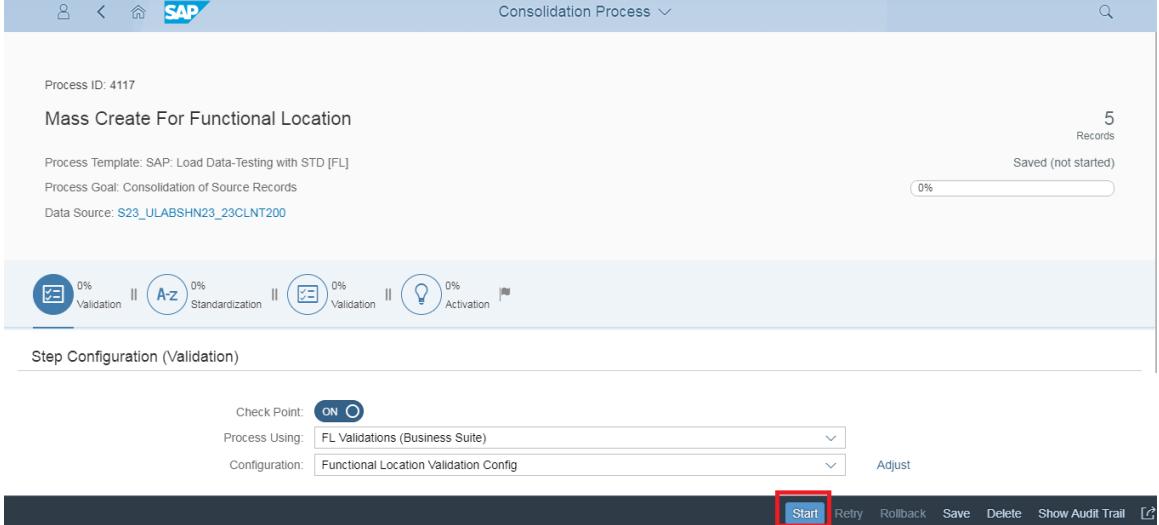
### Note

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

3. On the “Create Consolidation Process – FLOC” screen, provide the description text and the choose the process template from the dropdown.
4. 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.



Process ID: 4111

Mass Create For Functional Location

5 Records

Saved (not started)

0%

Process Template: SAP: Load Data-Testing with STD [FL]

Process Goal: Consolidation of Source Records

Data Source: S23\_ULABSHN23\_23CLNT200

Step Configuration (Validation)

Validation 0%    Standardization 0%    Validation 0%    Activation 0%

Check Point:  ON     OFF

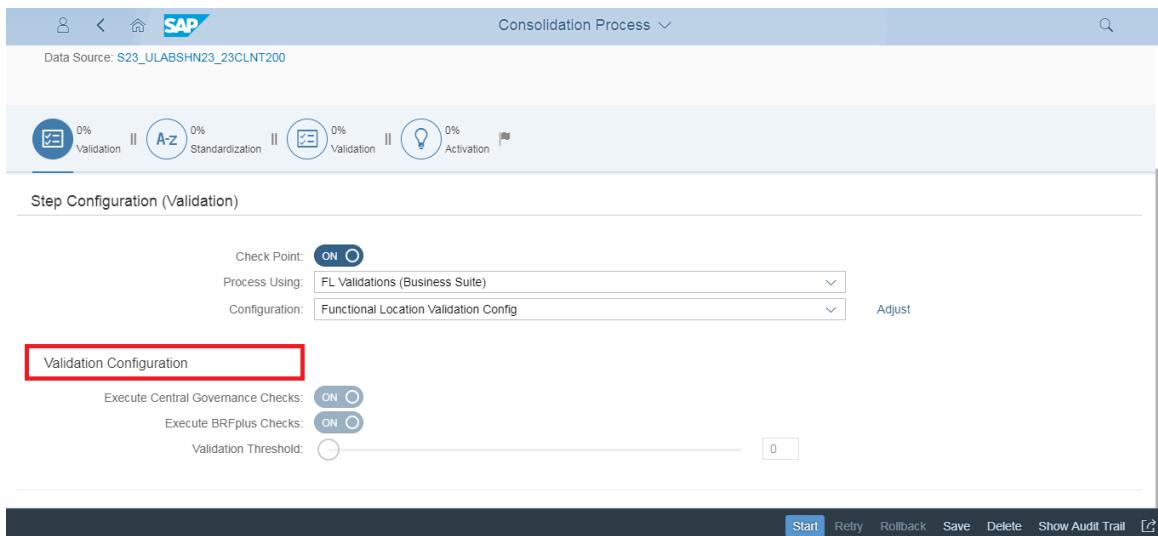
Process Using: FL Validations (Business Suite)

Configuration: Functional Location Validation Config

Start    Retry    Rollback    Save    Delete    Show Audit Trail

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.

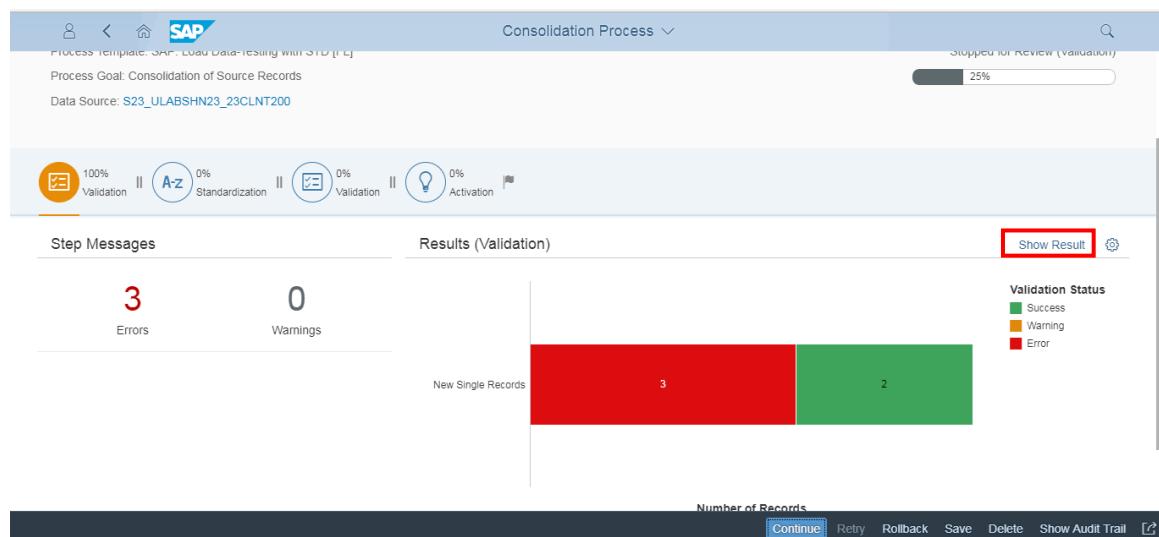
You can refer [Appendix A](#) for the detailed steps for creation and usage of BRFplus application.



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.

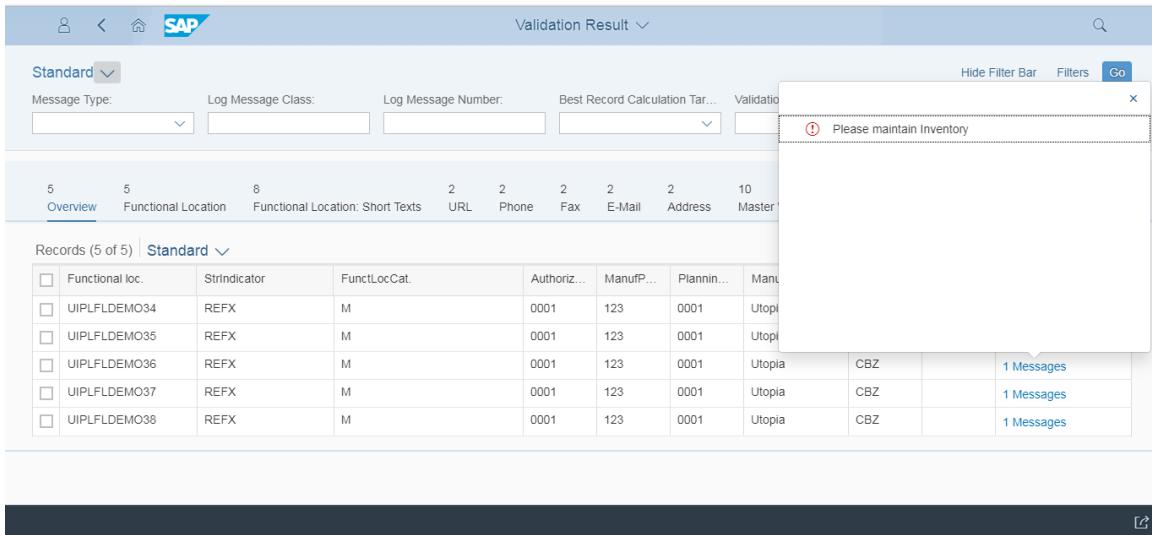


The messages are mapped to the "Details" column of the Overview tab.

5. Expand the list to view the messages.

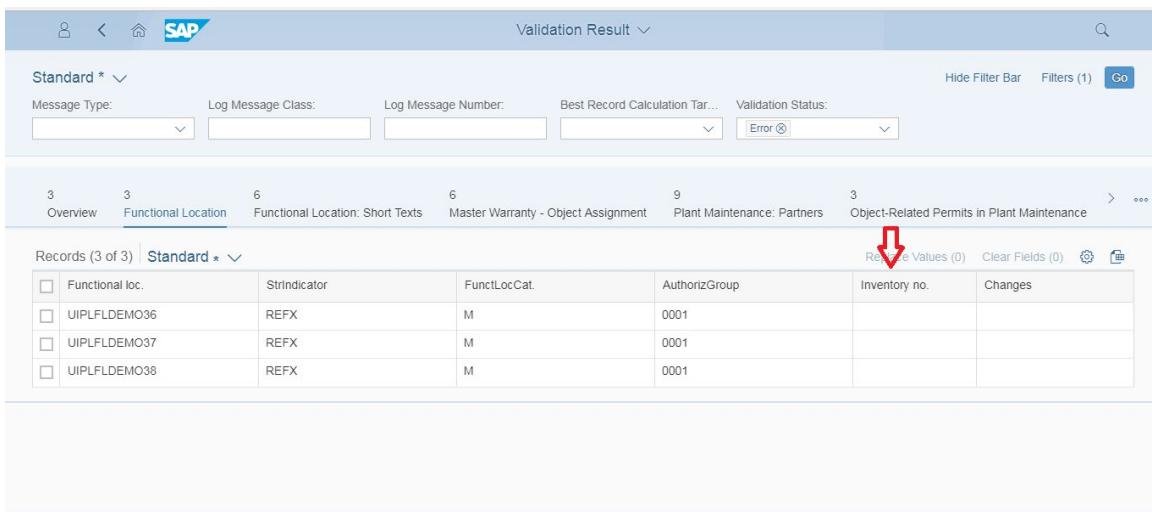


The message "Please maintain Inventory" in the following screen has been configured through the BRFplus application as explained in [Appendix A](#).



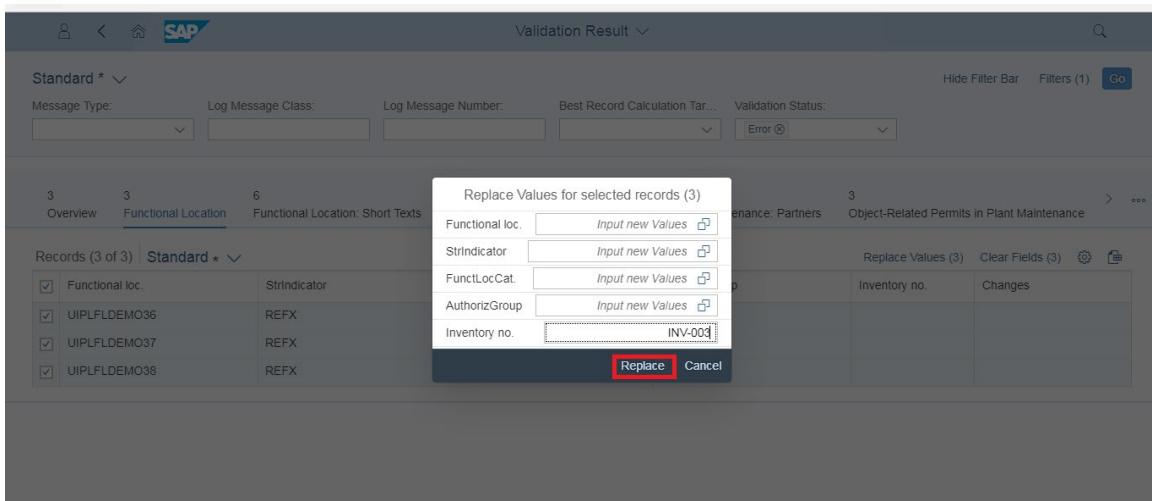
The screenshot shows the SAP Validation Result interface. At the top, there are search and filter options. A prominent red warning message box is displayed, containing the text "Please maintain Inventory". Below the message, there are tabs for Overview, Functional Location, and Short Texts. The Functional Location tab is selected, showing 5 entries. A detailed table follows, listing fields such as Functional loc., StrIndicator, FunctLocCat., Authoriz..., and so on. The last column of the table contains links labeled "1 Messages".

To correct the error, “Please maintain Inventory”, scroll and locate the tab “Functional Location” and locate the field “Inventory no “as shown in the following screen.



This screenshot shows the SAP Validation Result screen with the "Functional Location" tab selected. The table below displays four rows of data. A red arrow points to the "Inventory no." column header, indicating where the value needs to be replaced. The table has columns for Functional loc., StrIndicator, FunctLocCat., AuthorizGroup, Inventory no., and Changes.

#### 6. Select all the entries and click on “Replace Values” button for providing the value.

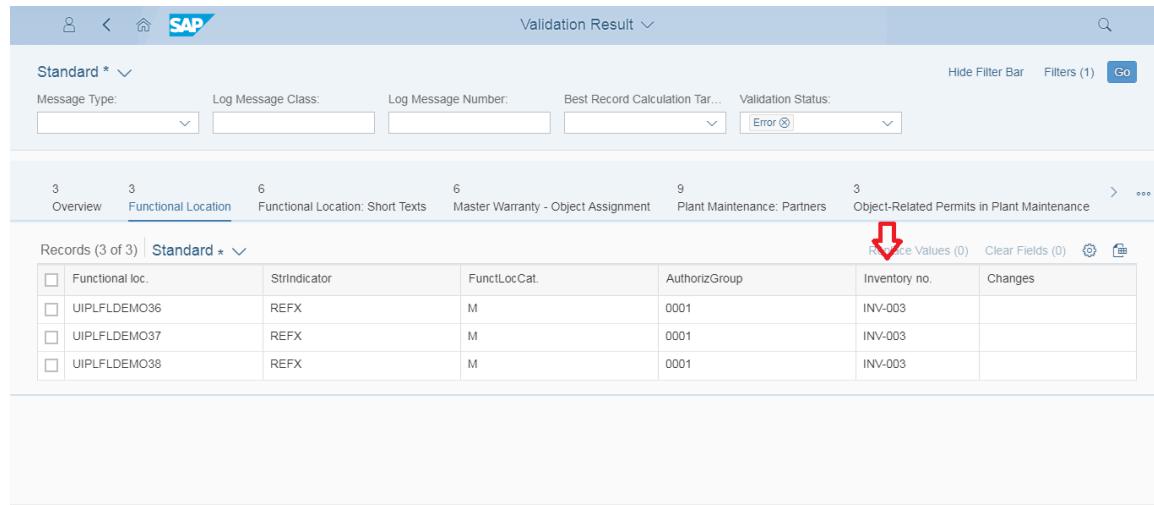


This screenshot shows the SAP Validation Result screen with the "Replace Values" dialog box open over the functional location table. The dialog box contains input fields for "Functional loc.", "StrIndicator", "FunctLocCat.", "AuthorizGroup", and "Inventory no.". The "Inventory no." field is populated with "INV-003". The "Replace" button is highlighted with a red box.

### Note

Individual records can be selected by clicking on the row. F4 helps are available for fields on the UI for selection.

- Once the value is selected against the field, click on “Replace” button on the pop-up screen.

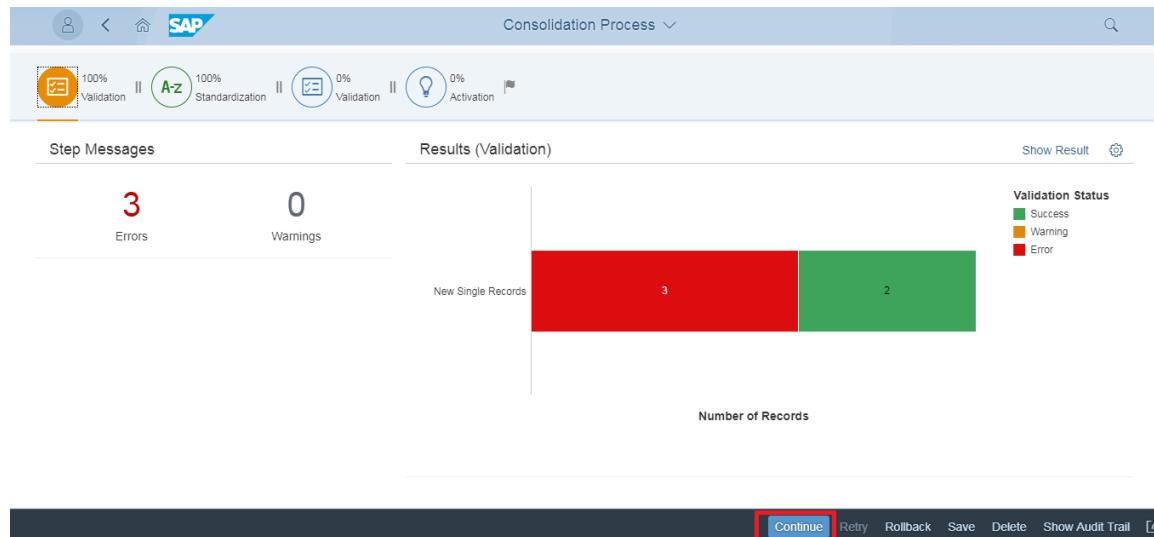


The screenshot shows a SAP Fiori application titled "Validation Result". It displays a table of functional location records. The table has columns: Functional loc., StrIndicator, FunktLocCat., AuthorizGroup, Inventory no., and Changes. There are four rows of data. At the top right of the table, there are buttons for "Replace Values (0)", "Clear Fields (0)", and other settings. A red arrow points to the "Replace Values (0)" button.

Functional loc.	StrIndicator	FunktLocCat.	AuthorizGroup	Inventory no.	Changes
UIPLFLDEMO36	REFX	M	0001	INV-003	
UIPLFLDEMO37	REFX	M	0001	INV-003	
UIPLFLDEMO38	REFX	M	0001	INV-003	

You can see that the values have been changed to the new ones as provided in the above step.

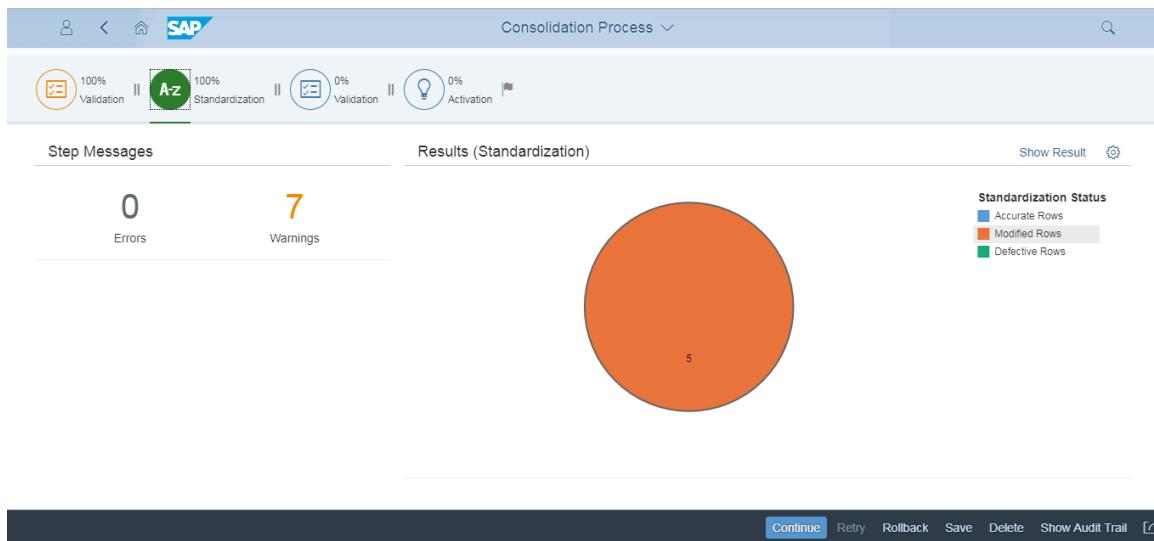
- Once all the errors are corrected, click on the “Continue” button to proceed to the next step.



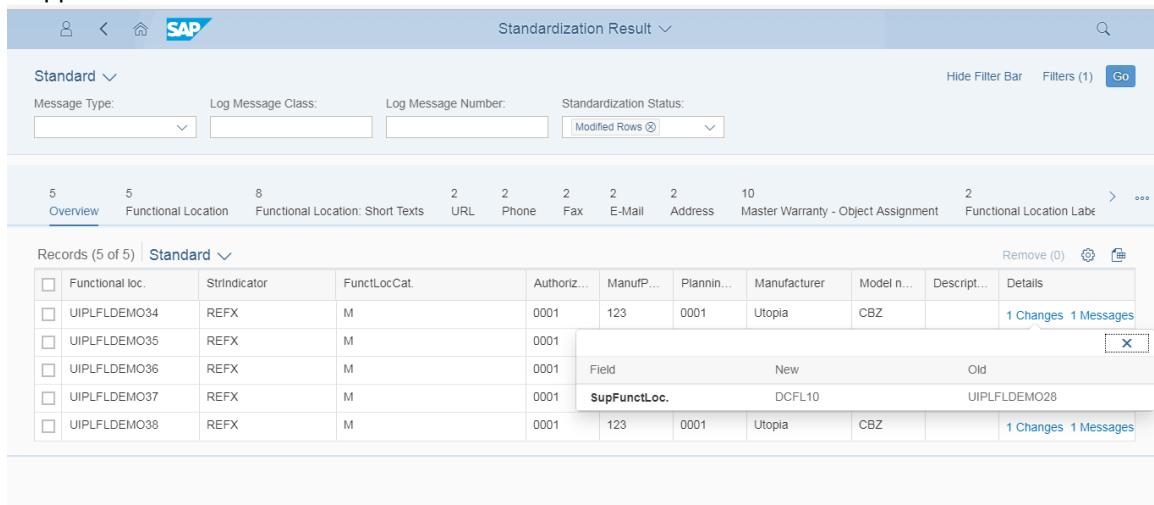
The screenshot shows a SAP Fiori application titled "Consolidation Process". It displays "Step Messages" (3 Errors, 0 Warnings) and "Results (Validation)". The results section shows a bar chart for "New Single Records" with 3 red segments and 2 green segments. A legend indicates "Validation Status": Success (green), Warning (orange), and Error (red). At the bottom, there are buttons for "Continue", "Retry", "Rollback", "Save", "Delete", "Show Audit Trail", and a refresh icon. A red arrow points to the "Continue" button.

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.

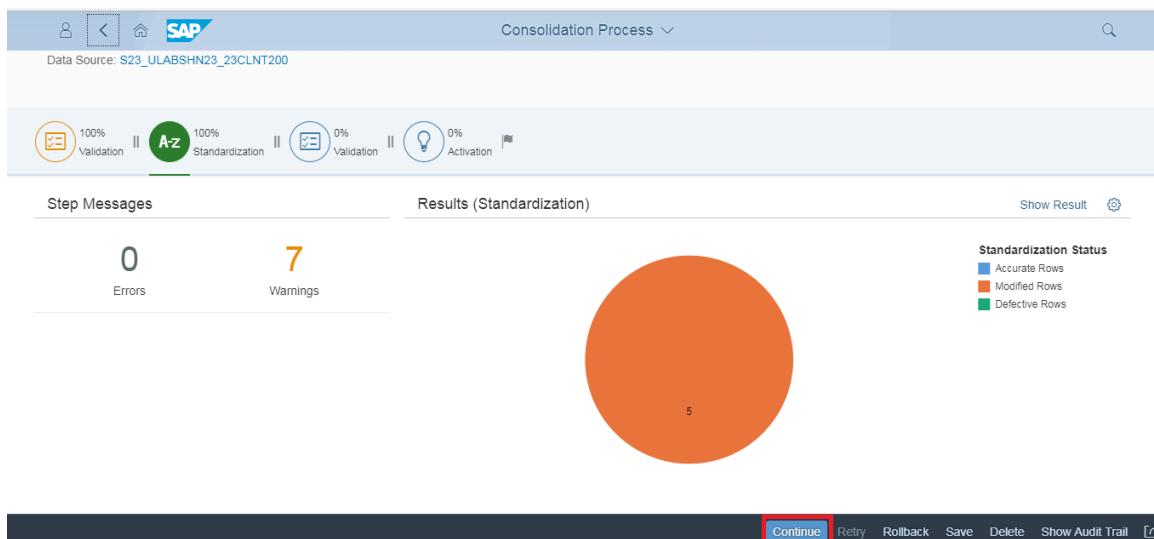
- Click on the “Show Result” to view the detailed result messages under the Details column of the Overview tab.



The following screen shows that the Functional Location key has been replaced with the key mapped Functional Location.

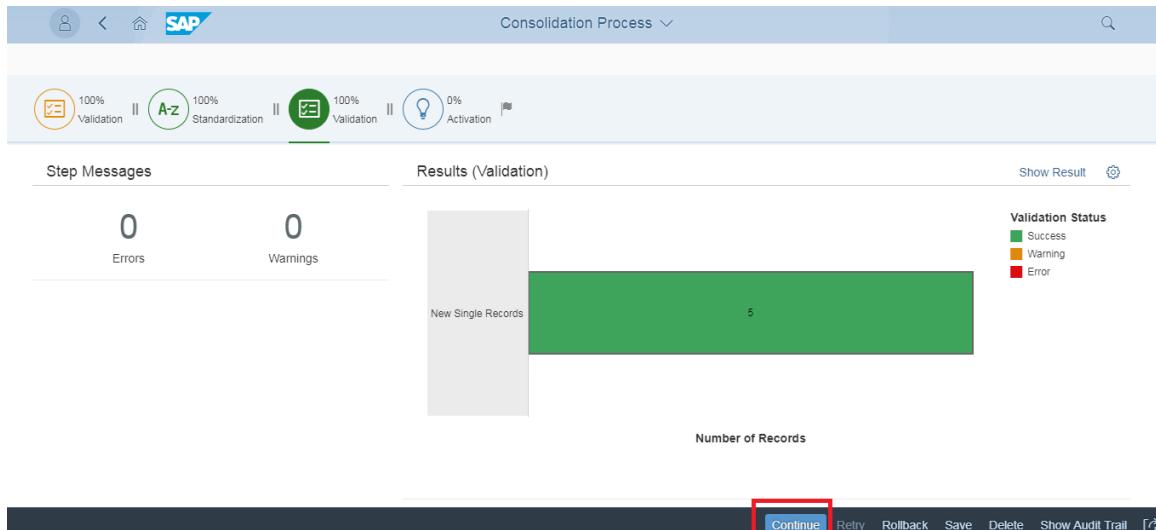


- Click on the “Continue” button to proceed to the next step.

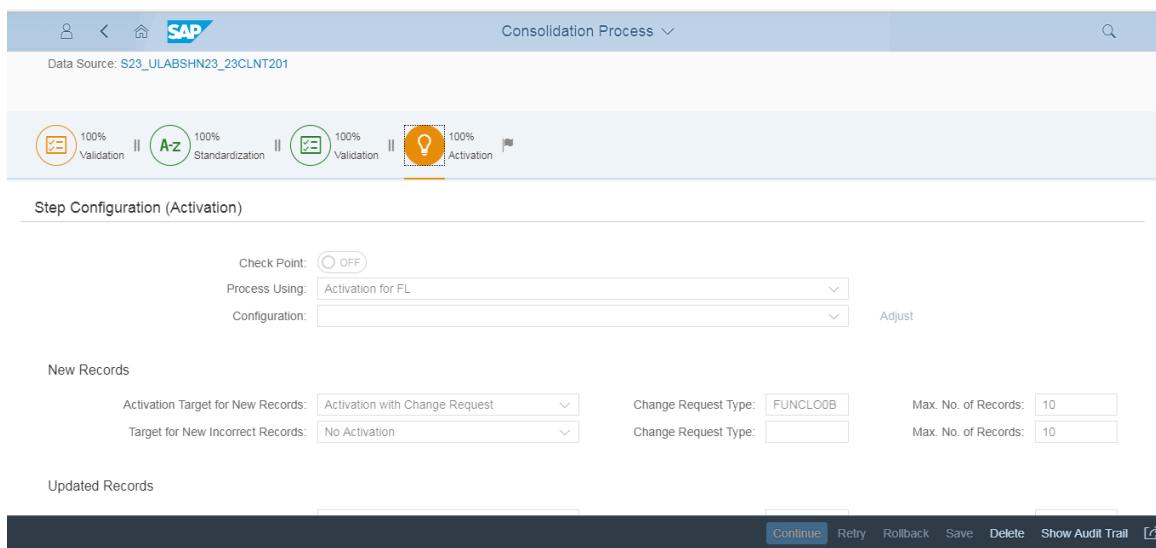


Once the nonexistent Functional Location has been replaced with the key mapped Functional Location, the error messages that appeared in Initial Check, no longer appear in the Validation step.

- In case of errors, click on “Show Result” button to view and change the data.



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



- The activation step is followed by the automatic Replication. Activation can be either Direct activation or through the Change Request. The Change Request is of type Import Functional location i.e. FUNCLOOB. On successful Activation, the Change Request is created in MDG. Once the process is complete, the status of the process ID changes to “Finished”.



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

- Launch t-code NWBC. Use the role “/UGI/\_MDGEAM\_MENU” to navigate to the Change Requests created. The CR of type FUNCLOOB is created with user name as SAP\_WFRT (background used).

To search for the Change Request created, Provide the “Created by” field as “SAP\_WFRT” and “Created on” as date on which the process is launched.

15. Click on “Continue” button.

SAP

### Display Change Requests

(?) Close

Change Request:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Type of Change Request:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Status of Change Request:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Edition:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Due Date:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Priority:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Reason:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Reason for Rejection:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Created By:	<input type="text" value="SAP_WFRT"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Created On:	<input type="text" value="17.08.2018"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Changed By:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Changed On:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Finalized By:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		
Finalized On:	<input type="text"/>	<input type="button" value="To"/> <input type="button" value="From"/>		

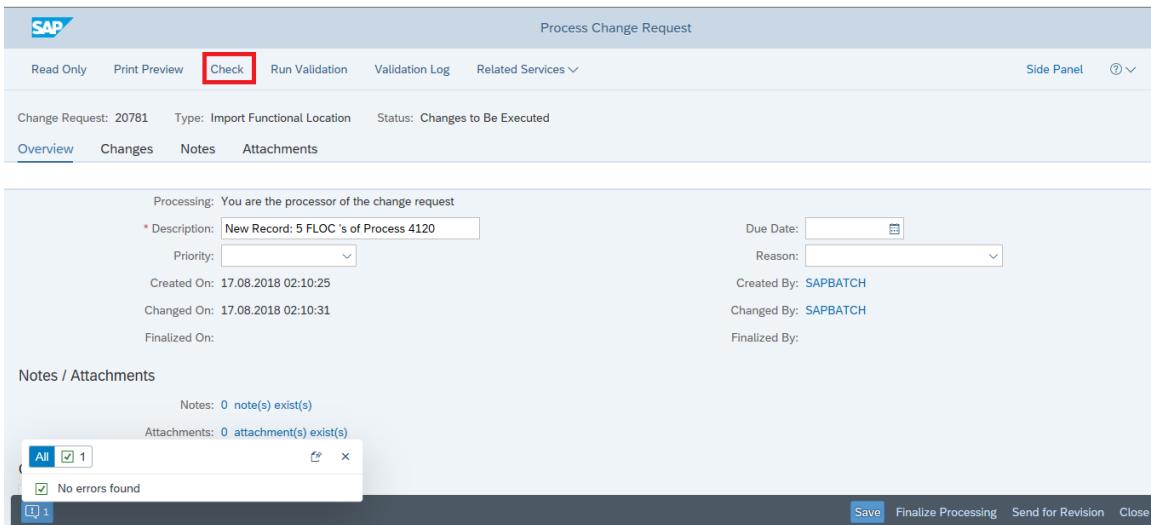
No Finalized Change Requests:

Include Archived Change Requests:

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

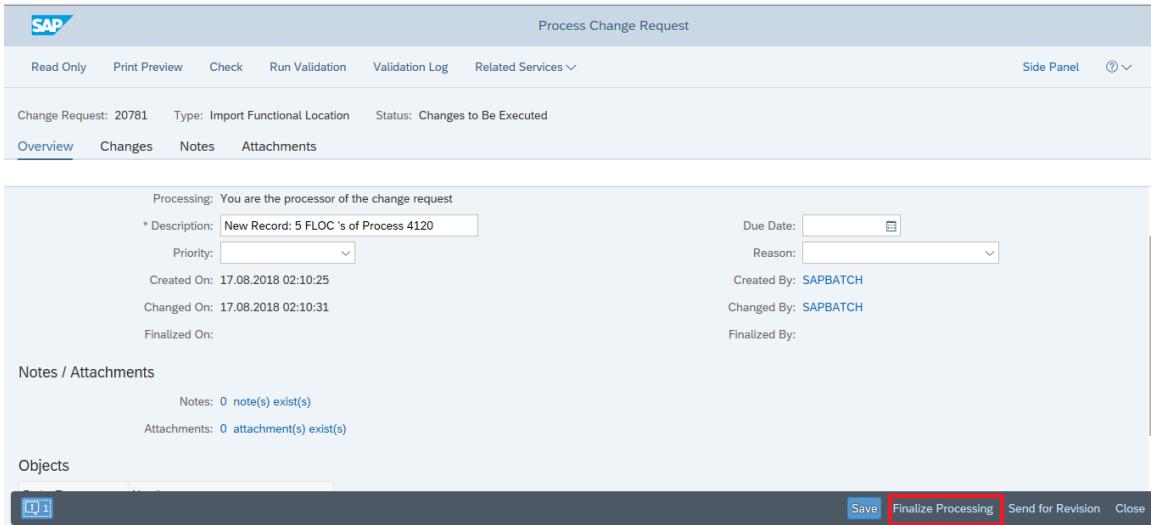
In case no errors found, the success message "No errors found" appears on the screen.

17. Double-Click on the Change Request “20781” to open the Change Request.



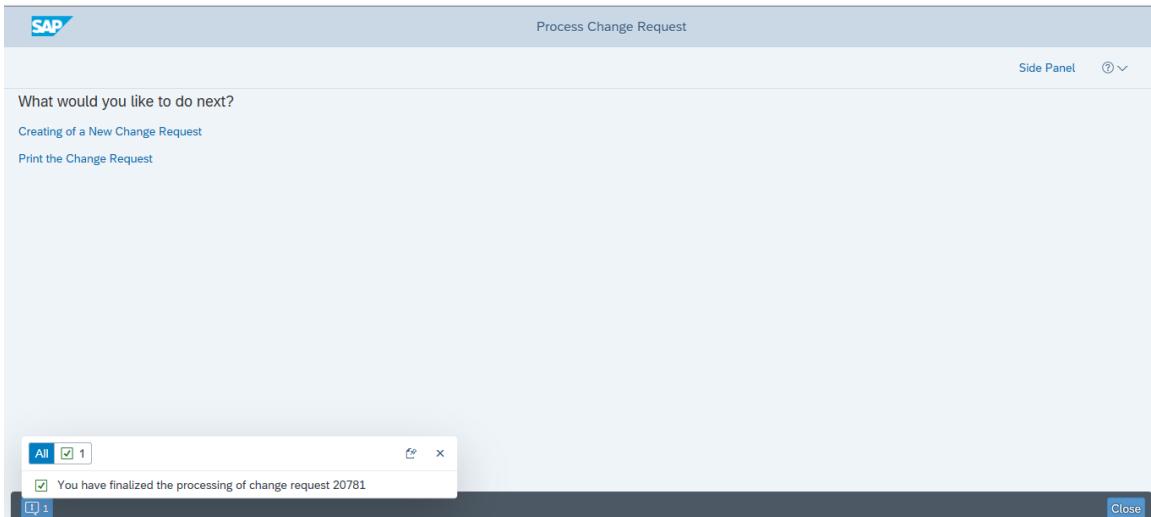
The screenshot shows the SAP Process Change Request interface. The top navigation bar includes 'Read Only', 'Print Preview', 'Check' (which is highlighted with a red box), 'Run Validation', 'Validation Log', and 'Related Services'. Below the navigation is a message: 'Change Request: 20781 Type: Import Functional Location Status: Changes to Be Executed'. Underneath are tabs for 'Overview', 'Changes', 'Notes', and 'Attachments'. The main content area displays processing details: 'Description: New Record: 5 FLOC's of Process 4120', 'Priority: (dropdown)', 'Created On: 17.08.2018 02:10:25', 'Changed On: 17.08.2018 02:10:31', 'Finalized On:'. To the right, there are fields for 'Due Date' (with a calendar icon), 'Reason' (dropdown), 'Created By: SAPBATCH', 'Changed By: SAPBATCH', and 'Finalized By:'. A note section below says 'Notes / Attachments' with 'Notes: 0 note(s) exist(s)' and 'Attachments: 0 attachment(s) exist(s)'. A modal dialog box is open, showing 'All' selected, '1' item found, and 'No errors found'. At the bottom are buttons for 'Save', 'Finalize Processing' (highlighted with a red box), 'Send for Revision', and 'Close'.

**18. Click on “Finalize Processing”.**



This screenshot is identical to the previous one, showing the SAP Process Change Request interface with the 'Check' button highlighted. The main content area displays processing details and a note section. A modal dialog box is open, showing 'All' selected, '1' item found, and 'No errors found'. At the bottom are buttons for 'Save', 'Finalize Processing' (highlighted with a red box), 'Send for Revision', and 'Close'.

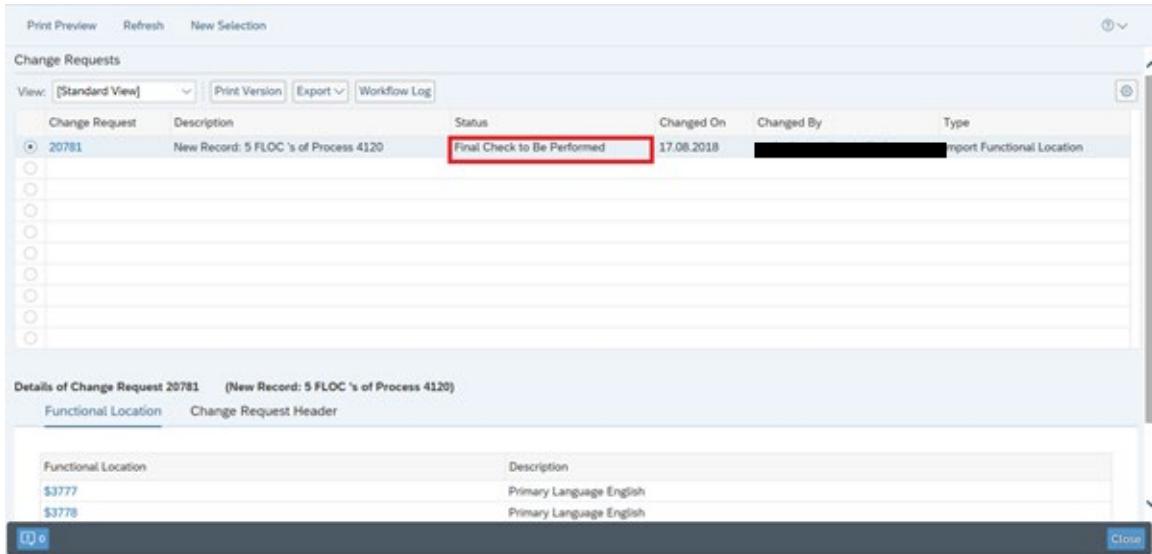
Success message appears as “You have finalized the processing of change request XX”.



The screenshot shows the SAP Process Change Request interface after finalization. The top navigation bar and main content area are similar to the previous screenshots. A modal dialog box at the bottom displays the message 'You have finalized the processing of change request 20781'. At the bottom are buttons for 'Save', 'Finalize Processing' (highlighted with a red box), 'Send for Revision', and 'Close'.

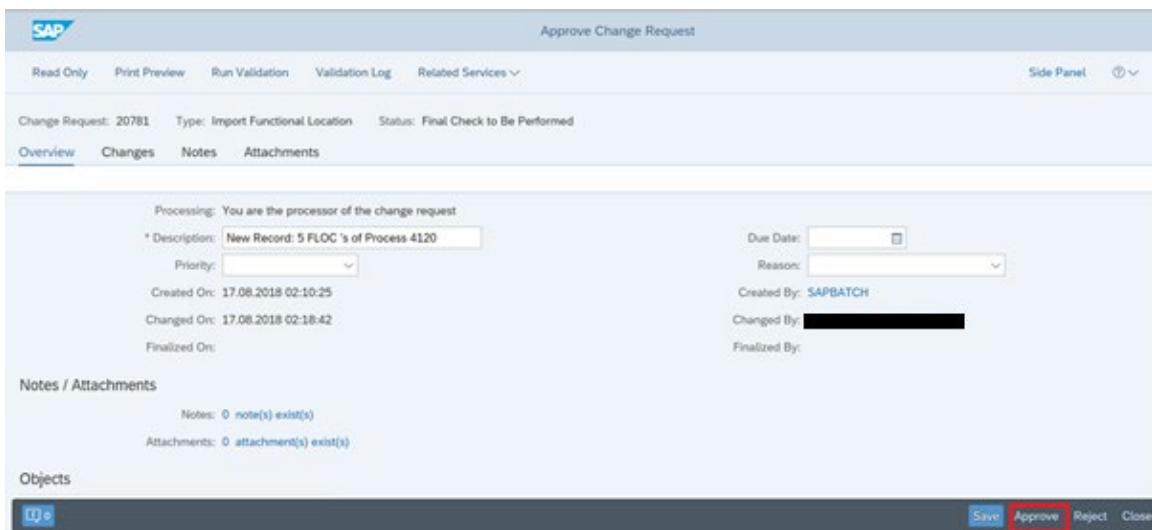
**19. Once finalized, the status of the Change Request is changed as “Final check to be performed”.**

20. Click on the “Approve” button.



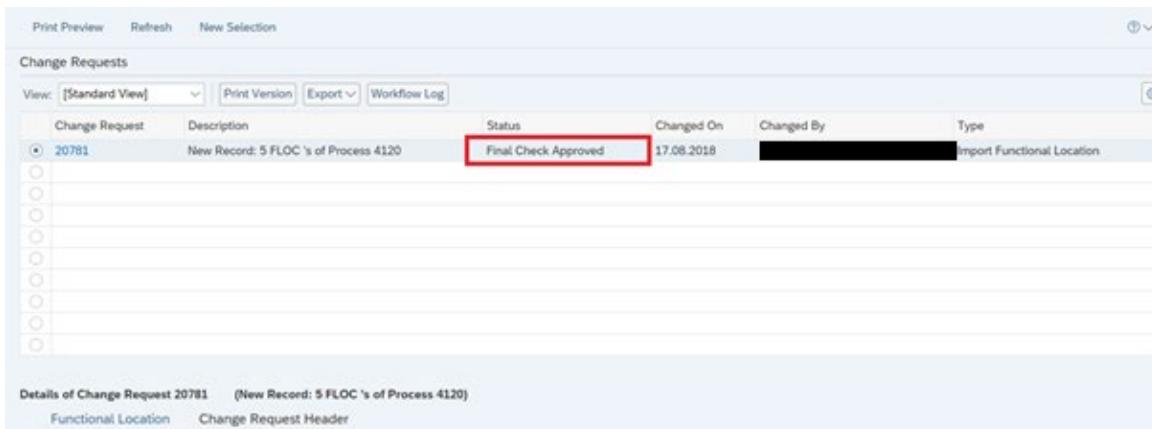
The screenshot shows the SAP Change Requests interface. A list of change requests is displayed, with the first item, '20781 New Record: 5 FLOC 's of Process 4120', selected. The 'Status' column for this row is highlighted with a red box and contains the value 'Final Check to Be Performed'. Below the list, a detailed view for 'Change Request 20781 (New Record: 5 FLOC 's of Process 4120)' is shown, divided into 'Functional Location' and 'Change Request Header' tabs. Under 'Functional Location', there are two entries: '\$3777' and '\$3778', each with a 'Description' field showing 'Primary Language English'. At the bottom right of the detailed view is a 'Close' button.

21. Click on the “Approve” button.



The screenshot shows the 'Approve Change Request' dialog box. It includes fields for 'Description' (set to 'New Record: 5 FLOC 's of Process 4120'), 'Priority' (dropdown menu), 'Due Date' (calendar icon), 'Reason' (dropdown menu), 'Created On' (date: 17.08.2018 02:10:25), 'Changed On' (date: 17.08.2018 02:18:42), 'Finalized On' (dropdown menu), 'Created By' (SAPBATCH), 'Changed By' (redacted), 'Finalized By' (redacted), and notes/attachments sections. At the bottom right are buttons for 'Save', 'Approve' (highlighted with a red box), 'Reject', and 'Close'.

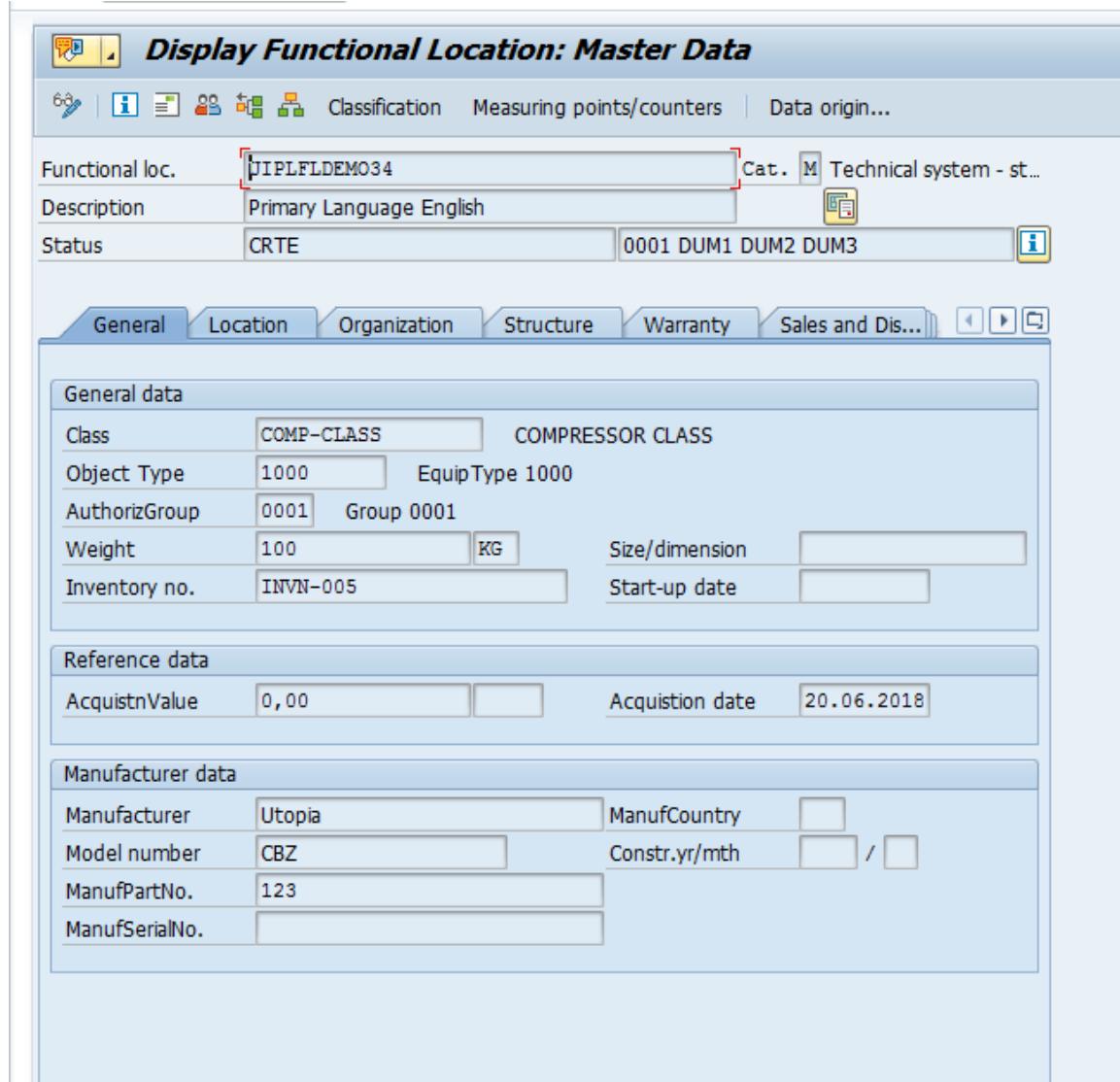
22. Verify the status of the Change Request as “Final Check Approved”.



The screenshot shows the SAP Change Requests interface again. The list now displays the change request '20781 New Record: 5 FLOC 's of Process 4120' with the 'Status' field highlighted by a red box and showing the value 'Final Check Approved'. The rest of the table columns (Change Request, Description, Changed On, Changed By, Type) are visible for other rows.

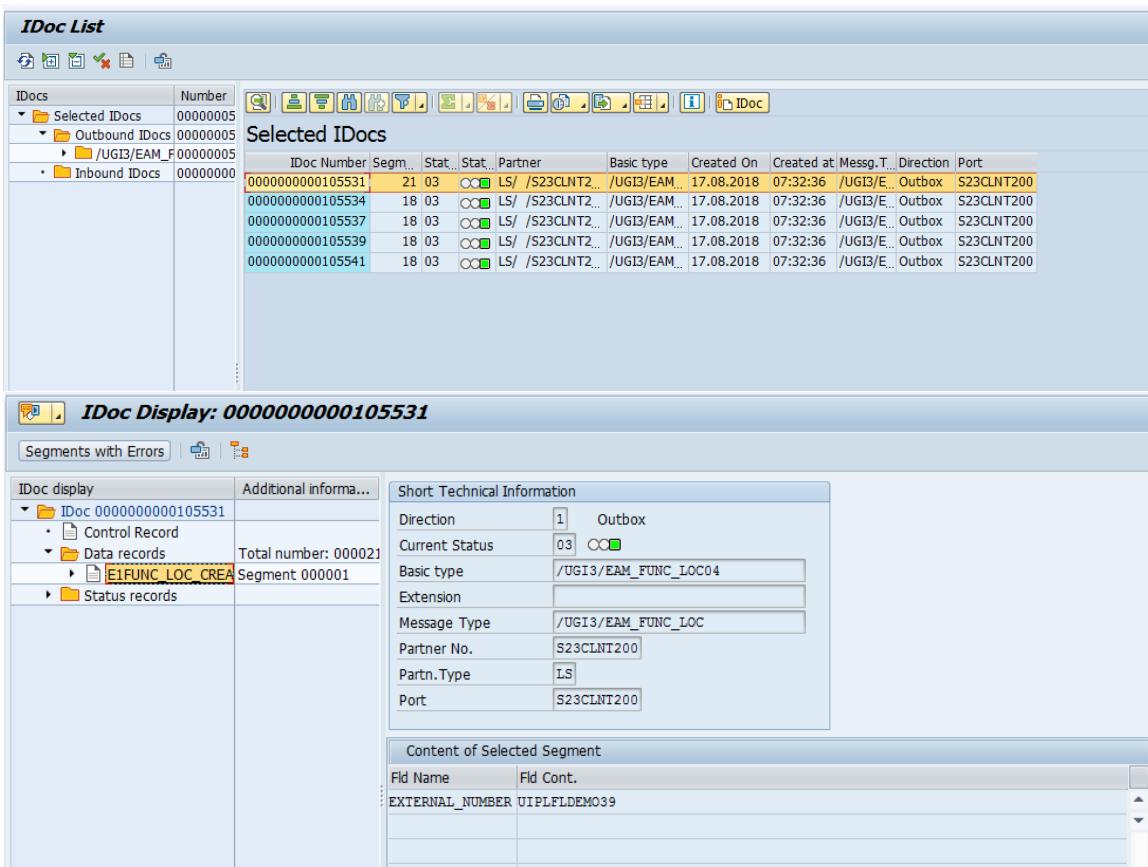
23. Run t-code “IL03” to view and validate the Functional Location data created in backend system under all tabs.

The following screen displays the General Tab Overview.



24. Once the Change Request is approved, the data is replicated to the connected systems through the Data Replication Framework(DRF) of MDG.
25. Run t-code “WE02” to view the IDocs created for the Functional Location.

The message type for Functional Location is /UGI3/EAM\_FUNCLOC.



The screenshot displays two SAP screens related to IDocs:

- IDoc List:** Shows a tree view of IDocs under "Selected IDocs". One node is expanded to show "Outbound IDocs" with a sub-node "UGI3/EAM\_FLOC0000005". Another node is "Inbound IDocs". A table below lists selected IDocs with columns: IDoc Number, Segm., Stat., Stat., Partner, Basic type, Created On, Created at, Messg.T., Direction, Port. Several rows are highlighted in yellow, corresponding to the data shown in the IDoc Display.
- IDoc Display: 0000000000105531:** Shows the detailed structure of the selected IDoc. The tree view includes "Control Record", "Data records" (with a selected node "E1FUNC\_LOC\_CREA"), and "Status records". The right panel shows "Short Technical Information" with fields like Direction (1 Outbox), Current Status (03), Basic type (/UGI3/EAM\_FUNC\_LOC04), Extension, Message Type (/UGI3/EAM\_FUNC\_LOC), Partner No. (S23CLNT200), Partn.Type (LS), and Port (S23CLNT200). Below this is the "Content of Selected Segment" table, which has one row: Fld Name (EXTERNAL\_NUMBER) and Fld Cont. (UIPLFLDEMO39).

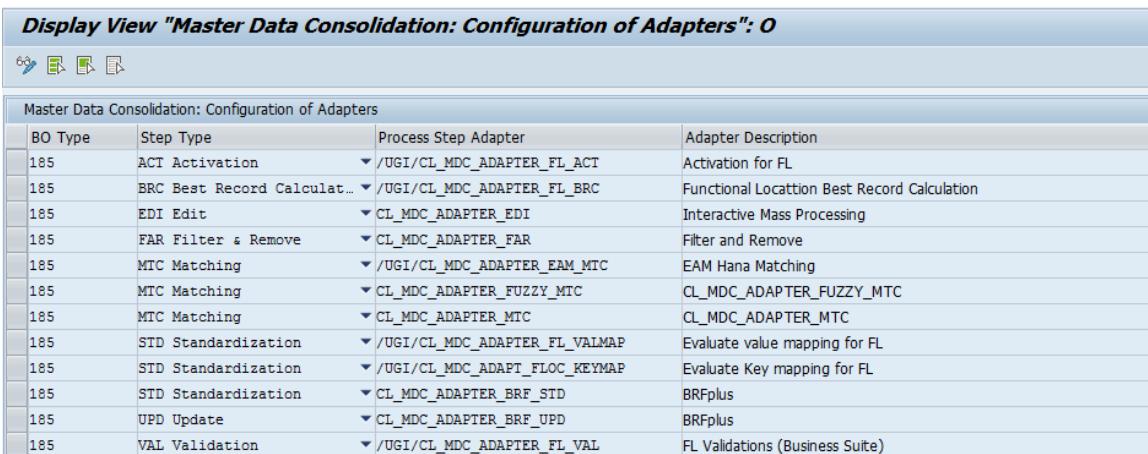
## Mass Change

Mass change is used for changing the already existing active data. The Master Data Consolidation and Mass processing for EAM solutions come with separate applications for Start Mass Processing and Manage Mass Processes for each of the business object type.

## Configure Process Template

You can use the following steps to configure process template for mass processing using MDC application.

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



The screenshot shows the "Master Data Consolidation: Configuration of Adapters" screen. It lists various process step adapters and their descriptions:

BO Type	Step Type	Process Step Adapter	Adapter Description
185	ACT Activation	/UGI/CL_MDC_ADAPTER_FL_ACT	Activation for FL
185	BRC Best Record Calculat...	/UGI/CL_MDC_ADAPTER_FL_BRC	Functional Locatton Best Record Calculation
185	EDI Edit	/CL_MDC_ADAPTER_EDI	Interactive Mass Processing
185	FAR Filter & Remove	/CL_MDC_ADAPTER_FAR	Filter and Remove
185	MTC Matching	/UGI/CL_MDC_ADAPTER_EAM_MTC	EAM Hana Matching
185	MTC Matching	/CL_MDC_ADAPTER_FUZZY_MTC	CL_MDC_ADAPTER_FUZZY_MTC
185	MTC Matching	/CL_MDC_ADAPTER_MTC	CL_MDC_ADAPTER_MTC
185	STD Standardization	/UGI/CL_MDC_ADAPTER_FL_VALMAP	Evaluate value mapping for FL
185	STD Standardization	/UGI/CL_MDC_ADAPTER_FLOC_KEYMAP	Evaluate Key mapping for FL
185	STD Standardization	/CL_MDC_ADAPTER_BRF_STD	BRFplus
185	UPD Update	/CL_MDC_ADAPTER_BRF_UPD	BRFplus
185	VAL Validation	/UGI/CL_MDC_ADAPTER_FL_VAL	FL Validations (Business Suite)

3. 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 “185”.
  - 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 template 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 “/UGI/MDC\_EAM\_PT\_CONFIG\_920” for the below given default configuration.

BC Set: Change Field Values								
Dialog Structure		Process Template						
Process Template		Proc Tmpl	Description	BO Type	Description	Process Workflow	Name	Process Goal
UGIMASFL	Template Config for FL Mass update	185	Installation Point	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 for the 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 checkbox “Check Point Active” to make the process stop after the step.
- Choose the suitable Process Action CTRL from the drop down.

Change View "Process Template Step": Overview								
Dialog Structure		Process Template	UGIMASFL	Template Config for FL Mass update				
Process Template		Bus. Obj. Type	185	Installation Point				
<b>Process Template Step</b>								
Step	Step Type	Description	BO Type	Adapter	Config. ID	Check Pt.	Action Control for next step	
1	EDI Ed... ▾	Edit	CL_MDC_ADAPTER_EDI	UMDCFLSC	✓	No action control	▼	
2	VAL Va... ▾	Validation	/UGI/CL_MDC_ADAPTER_FL_VAL	UFLOC_VAL	✓	No action control	▼	
3	ACT Ac... ▾	Activation	/UGI/CL_MDC_ADAPTER_FL_ACT	SAP_ACT_FL	□	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+.

**Change View "Master Data Consolidation: Configurations for Validation"**

New Entries BC Set: Change Field Values

Configuration ID	UFLOC_VAL																
<b>Master Data Consolidation: Configurations for Validation</b> <table border="1"> <tr> <td>Description</td> <td>Functional Location Validation Config</td> </tr> <tr> <td>No of Processes</td> <td>10</td> </tr> <tr> <td>Queue Prefix</td> <td>MDC_FL_VAL_Q</td> </tr> <tr> <td><input checked="" type="checkbox"/> MDG Checks</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> BRF+ Checks</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Write MDQ Worklist</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Remove Unchanged Rec</td> <td></td> </tr> <tr> <td>Threshold</td> <td>10</td> </tr> </table>		Description	Functional Location Validation Config	No of Processes	10	Queue Prefix	MDC_FL_VAL_Q	<input checked="" type="checkbox"/> MDG Checks		<input checked="" type="checkbox"/> BRF+ Checks		<input type="checkbox"/> Write MDQ Worklist		<input type="checkbox"/> Remove Unchanged Rec		Threshold	10
Description	Functional Location Validation Config																
No of Processes	10																
Queue Prefix	MDC_FL_VAL_Q																
<input checked="" type="checkbox"/> MDG Checks																	
<input checked="" type="checkbox"/> BRF+ Checks																	
<input type="checkbox"/> Write MDQ Worklist																	
<input type="checkbox"/> Remove Unchanged Rec																	
Threshold	10																

6. The default configuration is “Direct Activation”. This can be changed to “Activation with change request” with the Change Request FUNCLOOB.
  - The Change Request of type import FLOC is to be assigned i.e. FUNCLOOB, in case the Activation with Change Request is selected.
  - The value “Max. Rec” can be changed to a value to indicate the number of FLOC objects allowed per Change Request.
  - Replication is integrated with the Activation step for Direct Activation. The indicated checkbox in the following screen should be marked for the IDocs to be generated after successful activation.

**Display View "Configurations for Activation for FLOC": Details**

SAP : FLOC Activation

Configuration ID / Description	SAP_ACT_FT												
No of Processes	10												
Queue Prefix	MDC_FL_ACT_Q												
<b>New Records</b> <table border="1"> <tr> <td>Activation Target for New Records</td> <td>1 Direct Activation</td> <td>Type of Chg. Request</td> <td></td> <td>Max. Reco</td> <td>10</td> </tr> <tr> <td>Target for New Incorrect Records</td> <td>2 Activation with Change Request</td> <td>Type of Chg. Request</td> <td>FUNCLOOB</td> <td>Max. Reco</td> <td>10</td> </tr> </table>		Activation Target for New Records	1 Direct Activation	Type of Chg. Request		Max. Reco	10	Target for New Incorrect Records	2 Activation with Change Request	Type of Chg. Request	FUNCLOOB	Max. Reco	10
Activation Target for New Records	1 Direct Activation	Type of Chg. Request		Max. Reco	10								
Target for New Incorrect Records	2 Activation with Change Request	Type of Chg. Request	FUNCLOOB	Max. Reco	10								
<b>Updated Records</b> <table border="1"> <tr> <td>Activation Target for Updated Records</td> <td>1 Direct Activation of Best Record</td> <td>Type of Change Request</td> <td></td> <td>Max. Recor</td> <td>10</td> </tr> <tr> <td>Target for New Incorrect Records</td> <td>2 Activation of Best Record with Change Request</td> <td>Type of Change Request</td> <td>FUNCLOOB</td> <td>Max. Recor</td> <td>10</td> </tr> </table>		Activation Target for Updated Records	1 Direct Activation of Best Record	Type of Change Request		Max. Recor	10	Target for New Incorrect Records	2 Activation of Best Record with Change Request	Type of Change Request	FUNCLOOB	Max. Recor	10
Activation Target for Updated Records	1 Direct Activation of Best Record	Type of Change Request		Max. Recor	10								
Target for New Incorrect Records	2 Activation of Best Record with Change Request	Type of Change Request	FUNCLOOB	Max. Recor	10								
<b>Match Group</b> <table border="1"> <tr> <td>Activation Target for Match Groups</td> <td>1 Direct Activation of Best Record</td> <td>Type of Chg. Request</td> <td></td> <td>Max. Recor</td> <td>10</td> </tr> <tr> <td>Target for Incorrect Match Groups</td> <td>2 Activation of Best Record with Change Request</td> <td>Type of Chg. Request</td> <td>FUNCLOOB</td> <td>Max. Recor</td> <td>10</td> </tr> </table>		Activation Target for Match Groups	1 Direct Activation of Best Record	Type of Chg. Request		Max. Recor	10	Target for Incorrect Match Groups	2 Activation of Best Record with Change Request	Type of Chg. Request	FUNCLOOB	Max. Recor	10
Activation Target for Match Groups	1 Direct Activation of Best Record	Type of Chg. Request		Max. Recor	10								
Target for Incorrect Match Groups	2 Activation of Best Record with Change Request	Type of Chg. Request	FUNCLOOB	Max. Recor	10								
<b>Replication</b> <table border="1"> <tr> <td><input checked="" type="checkbox"/> Call DRF after Activation</td> </tr> </table>		<input checked="" type="checkbox"/> Call DRF after Activation											
<input checked="" type="checkbox"/> Call DRF after Activation													
<b>Validation</b> <table border="1"> <tr> <td><input checked="" type="checkbox"/> Execute Central Governance Checks (Validation Rules (BRF+) &amp; BAdI Validations)</td> </tr> <tr> <td><input checked="" type="checkbox"/> MDG BRF Checks</td> </tr> </table>		<input checked="" type="checkbox"/> Execute Central Governance Checks (Validation Rules (BRF+) & BAdI Validations)	<input checked="" type="checkbox"/> MDG BRF Checks										
<input checked="" type="checkbox"/> Execute Central Governance Checks (Validation Rules (BRF+) & BAdI Validations)													
<input checked="" type="checkbox"/> MDG BRF Checks													

## Perform Mass Processing

### Direct Change

You can use the following steps to perform the mass change using without uploading the data file.

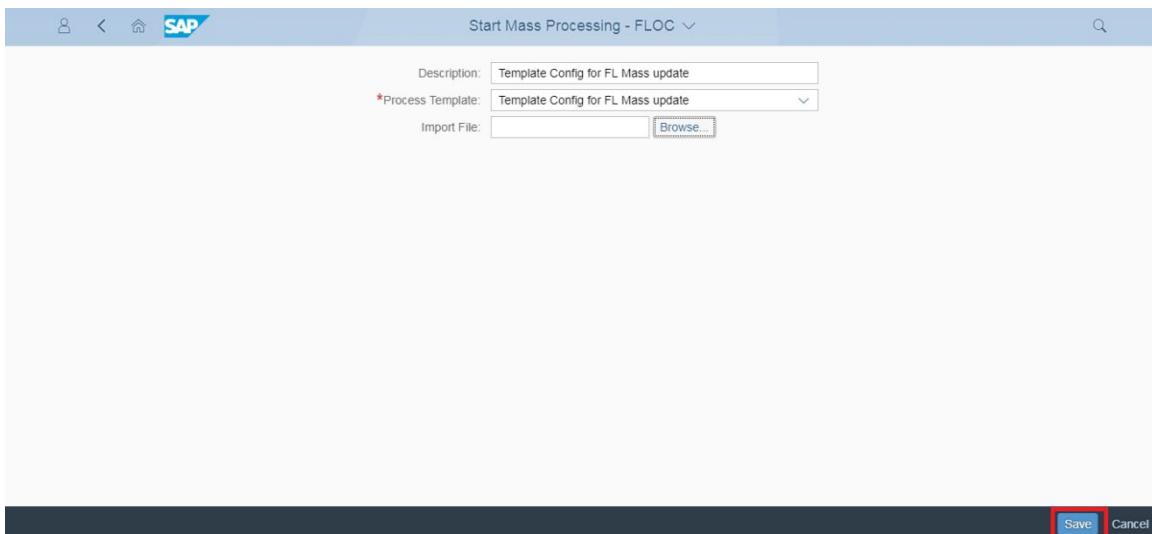
1. Run t-code MDCIMG. Launch Fiori application “Start Mass Processing”.



2. Launch the Fiori application “Start Mass Processing”.

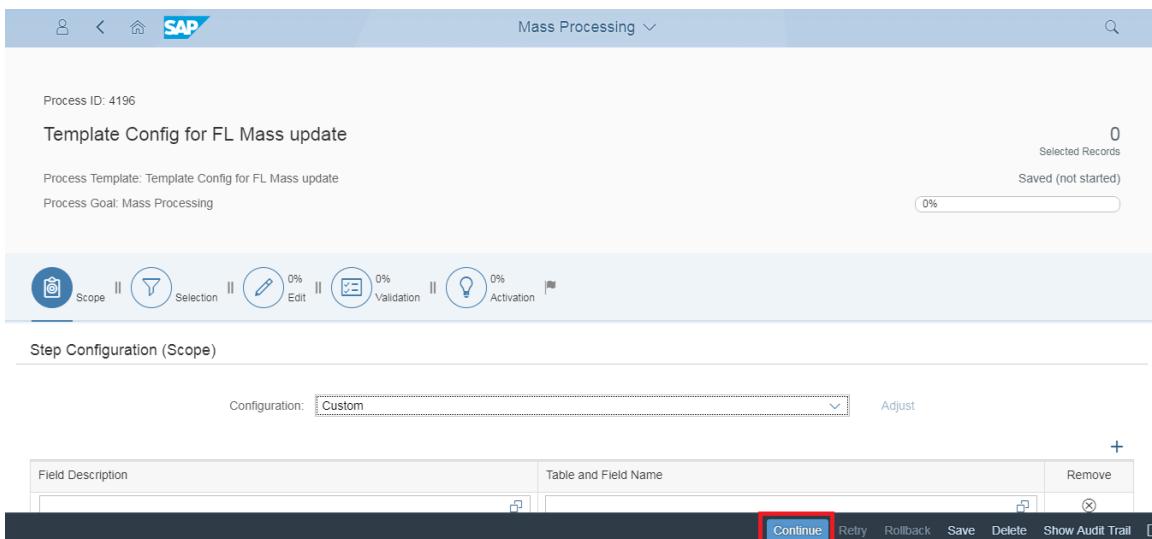
The default template gets loaded on the initial screen. You can choose the suitable template from the drop down.

3. Click on “Save” button.



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

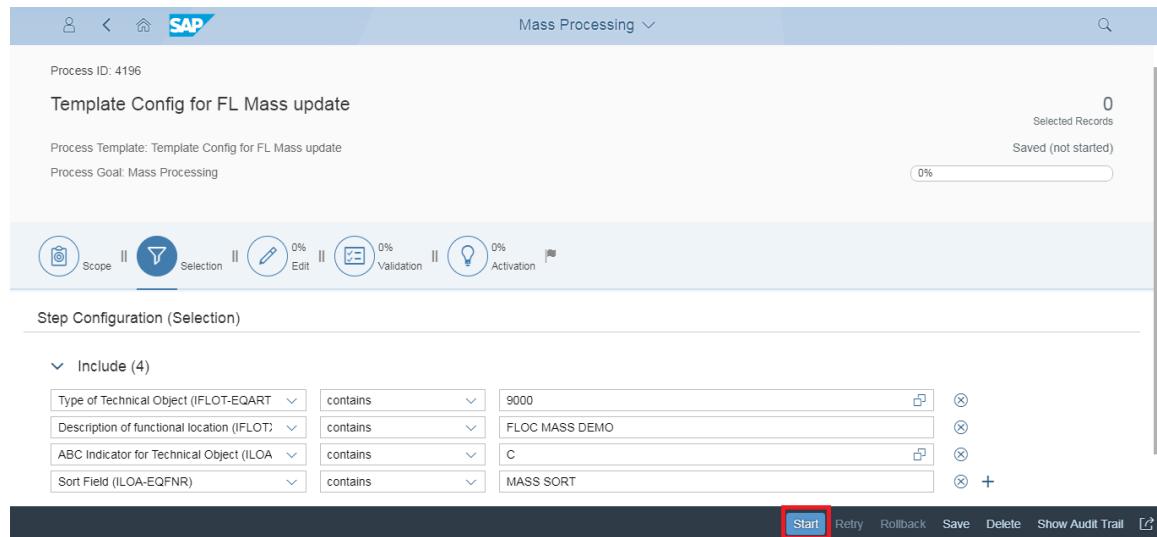
4. Click on the “Continue” button.



The following screen appears to provide the selection criteria.

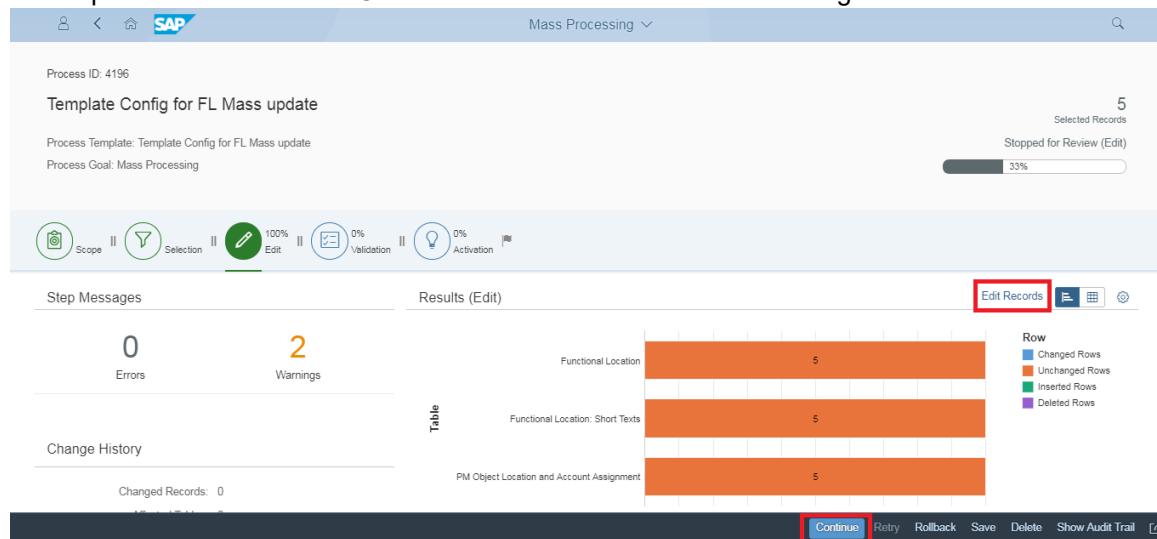
To perform an inclusive search, provide the selection criteria under the “Include” tab. For Exclusive criteria, provide the criteria under the “Exclude” tab.

- Click on the “Start” button once the selection criterion is provided.



Process ID: 4196  
**Template Config for FL Mass update**  
 Process Template: Template Config for FL Mass update  
 Process Goal: Mass Processing  
 0 Selected Records  
 Saved (not started)  
 0%  
 Scope || Selection || Edit 0% || Validation 0% || Activation 0%  
 Step Configuration (Selection)  
 ▾ Include (4)  
 Type of Technical Object (IFLOT-EQART) contains 9000  
 Description of functional location (IFLOT) contains FLOC MASS DEMO  
 ABC Indicator for Technical Object (ILOA) contains C  
 Sort Field (ILOA-EQFNR) contains MASS SORT  
 Start Retry Rollback Save Delete Show Audit Trail

A new process ID is created. Click on “Edit Records” to view and change the data.

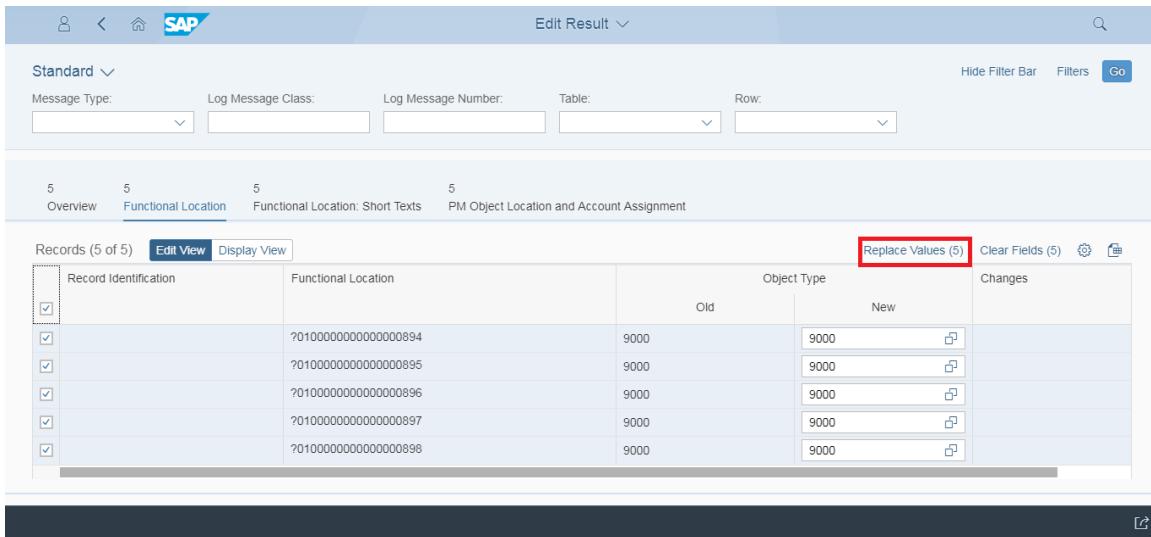


Process ID: 4196  
**Template Config for FL Mass update**  
 Process Template: Template Config for FL Mass update  
 Process Goal: Mass Processing  
 5 Selected Records  
 Stopped for Review (Edit)  
 33%  
 Scope || Selection || Edit 100% || Validation 0% || Activation 0%  
 Step Messages Results (Edit) Edit Records  
 0 Errors 2 Warnings  
 Change History Table  
 Functional Location: Short Texts  
 PM Object Location and Account Assignment  
 Row  
 Changed Rows  
 Unchanged Rows  
 Inserted Rows  
 Deleted Rows  
 Continue Retry Rollback Save Delete Show Audit Trail

### Note

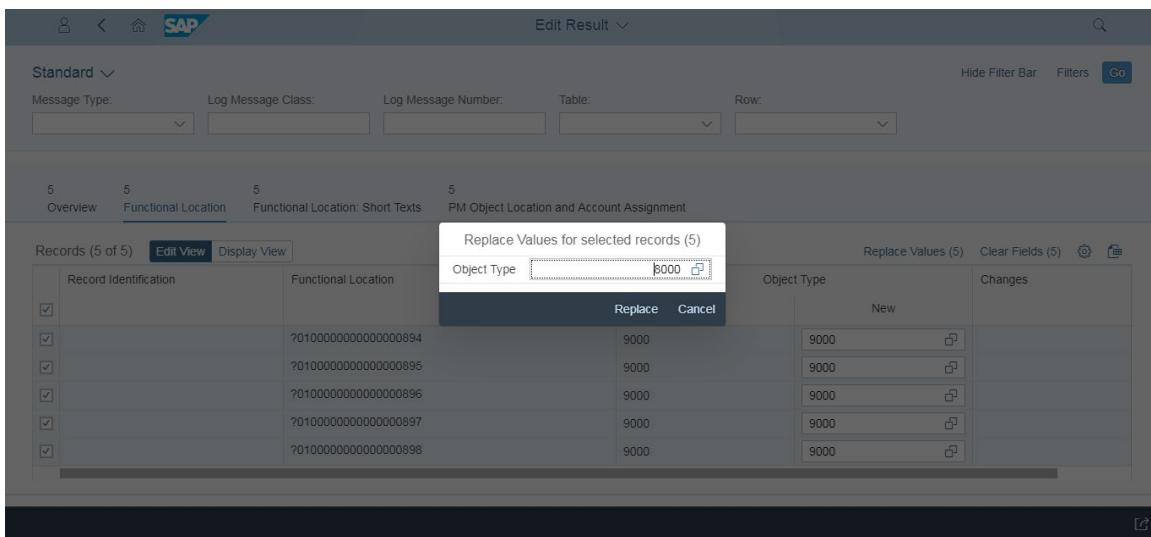
In case of mass change without file, by default only the search table data tab is enabled for changes. For more elaborate change options, it is recommended to used mass change through excel option.

- To change the value for field, say Object type, 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.



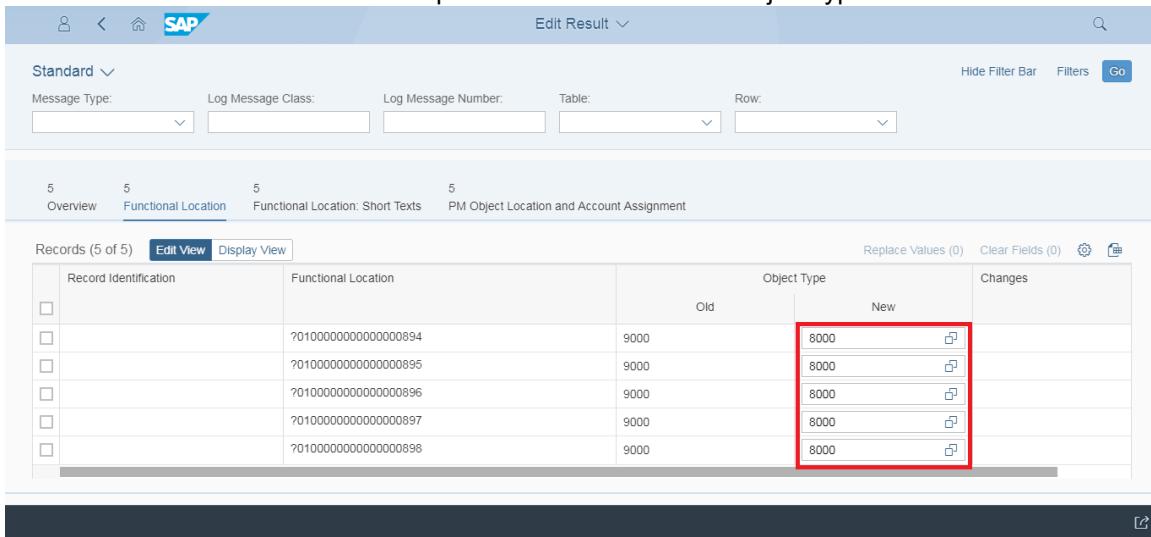
The screenshot shows a SAP Fiori application titled "Edit Result". The top navigation bar includes fields for "Message Type", "Log Message Class", "Log Message Number", "Table", and "Row", along with "Hide Filter Bar", "Filters", and a "Go" button. Below the navigation is a toolbar with five buttons: "Overview", "Functional Location", "Functional Location: Short Texts", and "PM Object Location and Account Assignment". The main area displays a table titled "Records (5 of 5)". The table has columns: "Record Identification", "Functional Location", "Object Type", and "Changes". The "Object Type" column contains values 9000 in the "Old" row and 9000 with a red-bordered edit icon in the "New" row. A red box highlights the "Replace Values (5)" button in the top right corner of the table header.

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



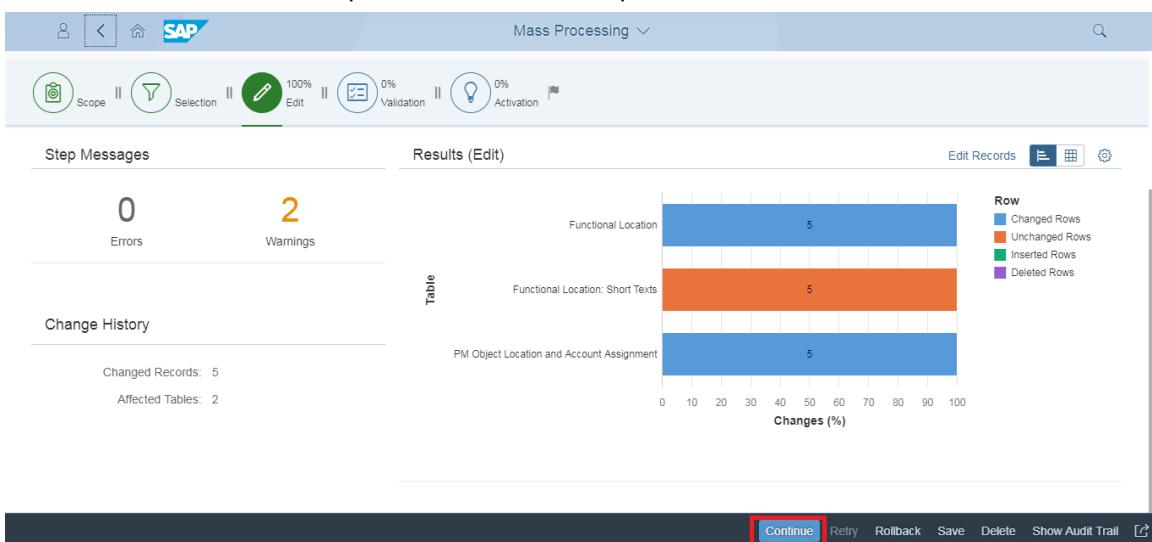
The screenshot shows a SAP Fiori application titled "Edit Result". The top navigation bar includes fields for "Message Type", "Log Message Class", "Log Message Number", "Table", and "Row", along with "Hide Filter Bar", "Filters", and a "Go" button. Below the navigation is a toolbar with five buttons: "Overview", "Functional Location", "Functional Location: Short Texts", and "PM Object Location and Account Assignment". The main area displays a table titled "Records (5 of 5)". A modal dialog titled "Replace Values for selected records (5)" is open over the table. It contains a single input field labeled "Object Type" with the value "8000" and a red-bordered edit icon. Below the input field are "Replace" and "Cancel" buttons. The "Replace" button is highlighted in blue, while "Cancel" is greyed out. The background table is visible behind the dialog.

You can see the values have been updated on the UI for the “Object type” field.



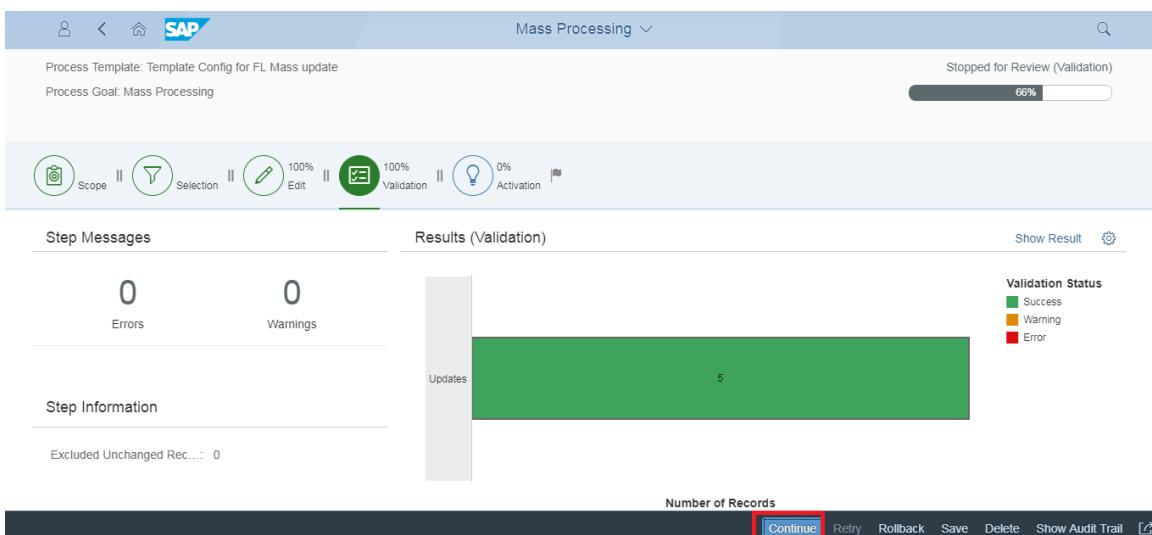
The screenshot shows a SAP Fiori application titled "Edit Result". The top navigation bar includes fields for "Message Type", "Log Message Class", "Log Message Number", "Table", and "Row", along with "Hide Filter Bar", "Filters", and a "Go" button. Below the navigation is a toolbar with five buttons: "Overview", "Functional Location", "Functional Location: Short Texts", and "PM Object Location and Account Assignment". The main area displays a table titled "Records (5 of 5)". The table has columns: "Record Identification", "Functional Location", "Object Type", and "Changes". The "Object Type" column now shows "8000" in all rows, with a red box highlighting the entire column. The "Changes" column shows a red-bordered edit icon in each row.

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



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

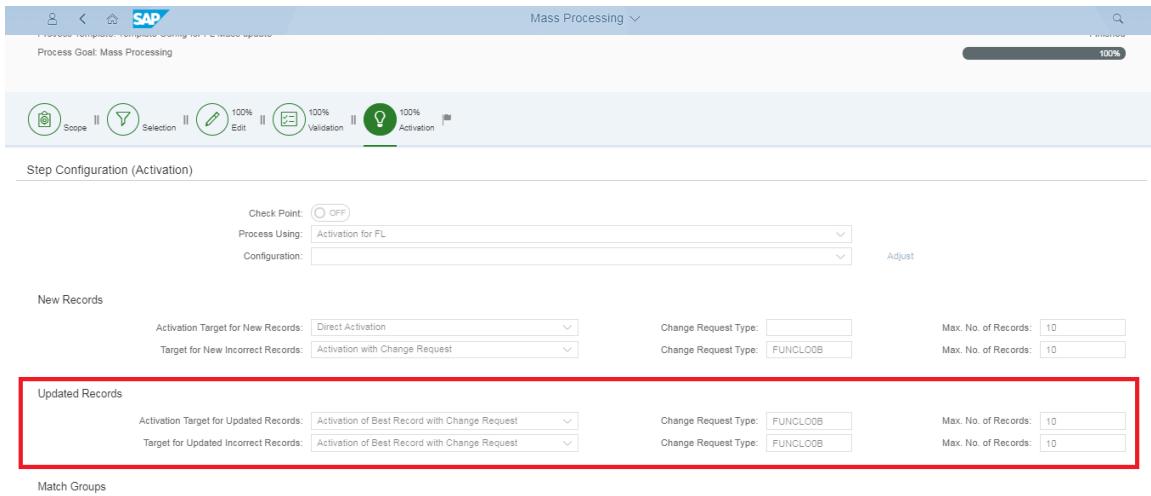
The records are shown in the graph with different color conventions as shown in following screen.



In case of erroneous records, navigate to the link “Show Result”.

You can review and change the data in corresponding tabs.

12. Click on “Continue” button to proceed to the next step i.e. Activation. Activation of records can be either direct or through Change Request type FUNCLO0B.



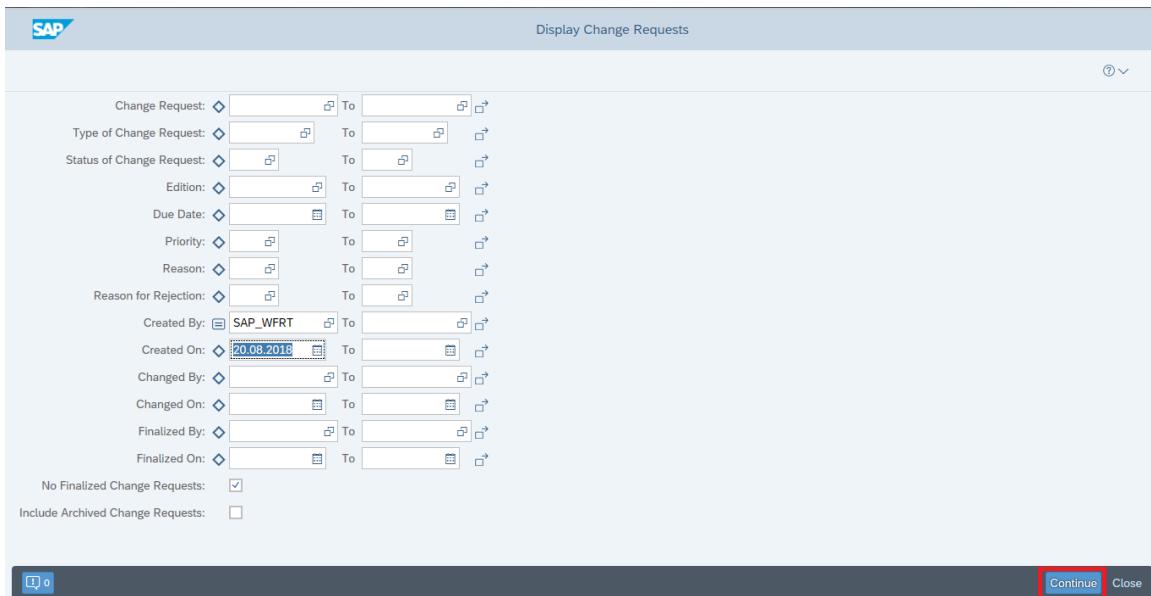
The screenshot shows the SAP Mass Processing interface with the following details:

- Step Configuration (Activation):** Activation for FL.
- New Records:**
  - Activation Target for New Records: Direct Activation
  - Target for New Incorrect Records: Activation with Change Request
  - Change Request Type: FUNCLOOB
  - Max. No. of Records: 10
- Updated Records:** This section is highlighted with a red box.
  - Activation Target for Updated Records: Activation of Best Record with Change Request
  - Target for Updated Incorrect Records: Activation of Best Record with Change Request
  - Change Request Type: FUNCLOOB
  - Max. No. of Records: 10
- Match Groups:** No specific details shown.

### Note

In case of direct activation, the records are replicated immediately after the process is finished through the Data Replication Framework in MDG.

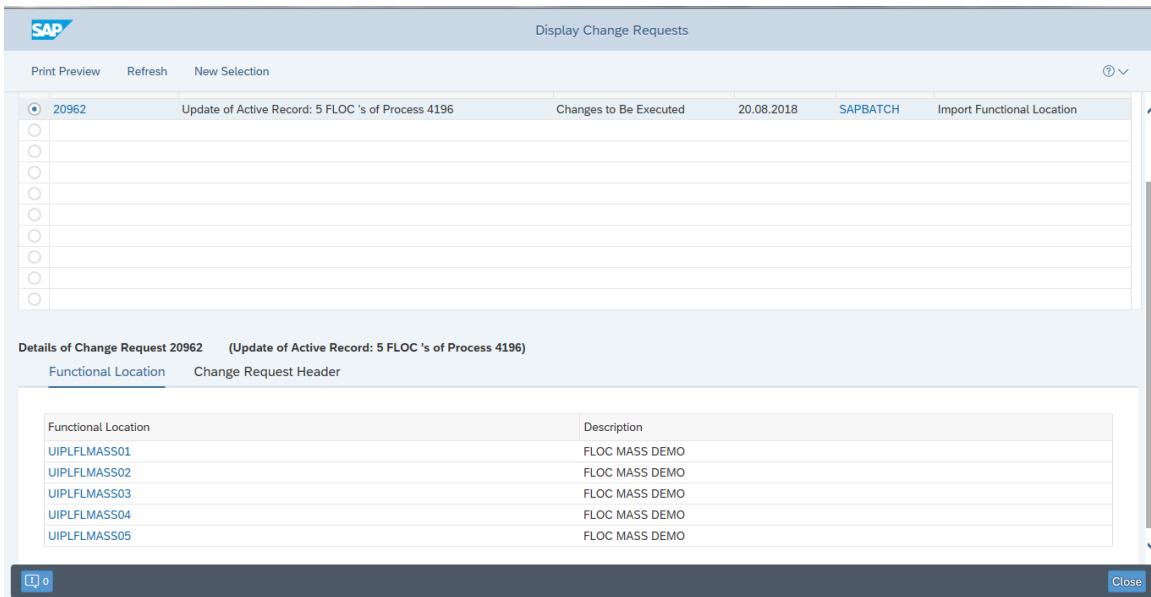
13. Launch t-code NWBC. Use the role “/UGI/\_MDGEAM\_MENU” to navigate to the Change Requests created. The CR of type FLOCOOB is created with user name as SAP\_WFRT (background used).
14. To search for the Change Request created, Provided the “Created by” field as “SAP\_WFRT” and “Created on” as date on which the process is launched.
15. Click on “Continue” button.



The screenshot shows the SAP Display Change Requests screen with the following details:

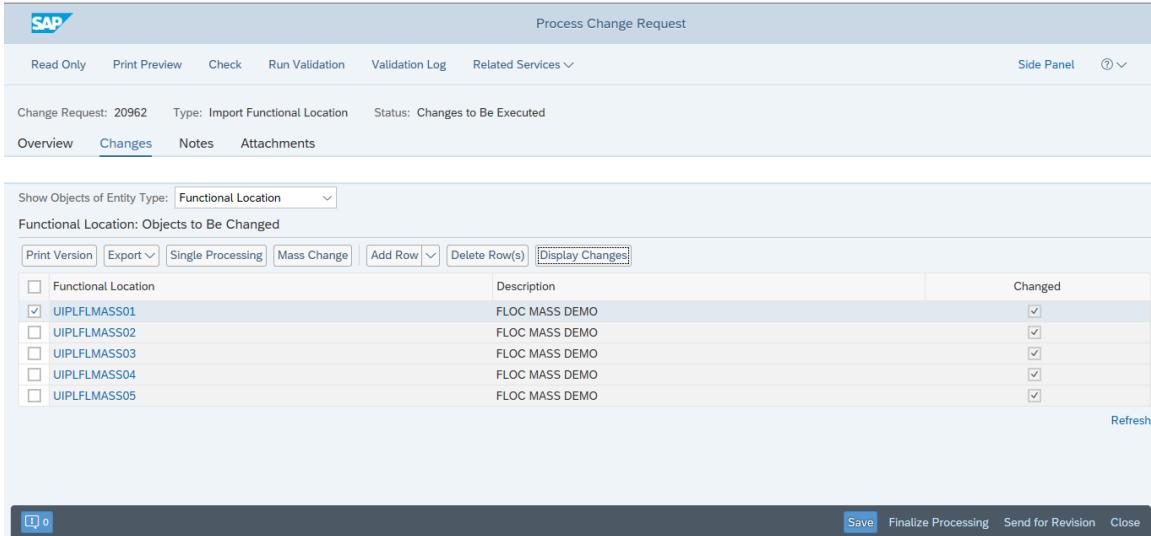
- Display Change Requests**
- Search Fields:**
  - Change Request: [ ] To [ ]
  - Type of Change Request: [ ] To [ ]
  - Status of Change Request: [ ] To [ ]
  - Edition: [ ] To [ ]
  - Due Date: [ ] To [ ]
  - Priority: [ ] To [ ]
  - Reason: [ ] To [ ]
  - Reason for Rejection: [ ] To [ ]
  - Created By: SAP\_WFRT To [ ]
  - Created On: 20.08.2016 To [ ]
  - Changed By: [ ] To [ ]
  - Changed On: [ ] To [ ]
  - Finalized By: [ ] To [ ]
  - Finalized On: [ ] To [ ]
- Checkboxes:**
  - No Finalized Change Requests:
  - Include Archived Change Requests:
- Buttons:**
  - Continue (highlighted with a red box)
  - Close

16. Double-Click on the Change Request “20962” to open the Change Request.



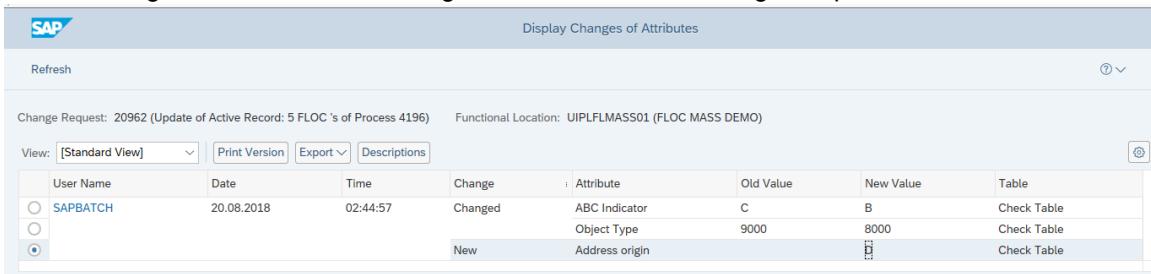
The screenshot shows the SAP Display Change Requests interface. At the top, it displays a list of change requests, with the first one selected: "20962 Update of Active Record: 5 FLOC's of Process 4196". Below this, a detailed view of the selected change request is shown under the heading "Details of Change Request 20962 (Update of Active Record: 5 FLOC's of Process 4196)". The "Functional Location" tab is active, showing a table with five rows of functional locations and their descriptions, all labeled "FLOC MASS DEMO". The table has columns for "Functional Location" and "Description". At the bottom of the screen, there are buttons for "Close" and a status indicator showing "0" changes.

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



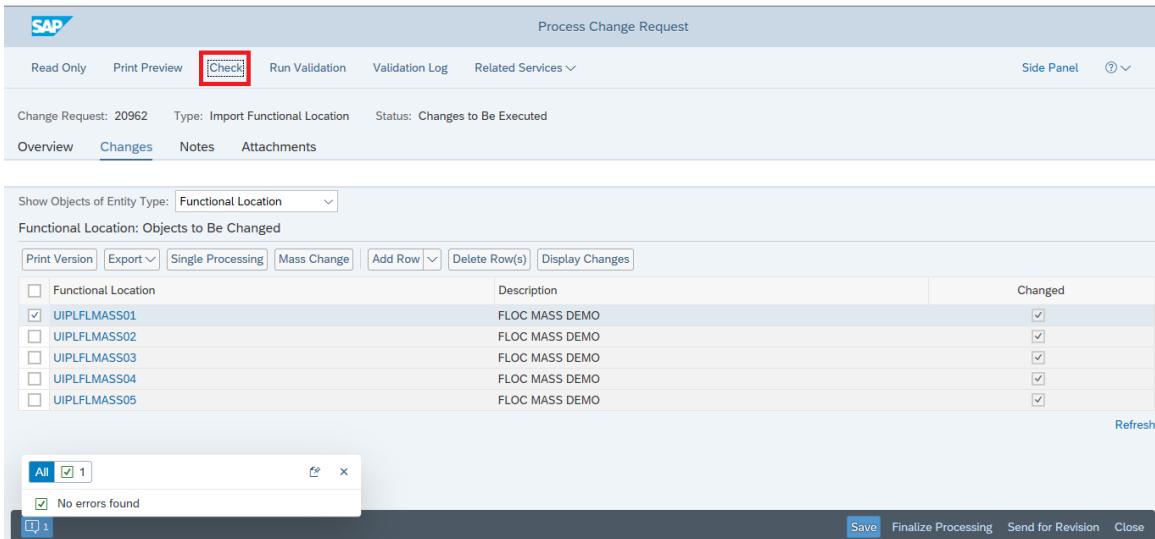
The screenshot shows the SAP Process Change Request interface. The "Changes" tab is selected. It displays a table of objects that have been changed, specifically functional locations. The table includes columns for "Functional Location", "Description", and "Changed". All entries show "UIPLFLMASS01" as the functional location, "FLOC MASS DEMO" as the description, and a checked "Changed" box. At the bottom, there are buttons for "Save", "Finalize Processing", "Send for Revision", and "Close".

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



The screenshot shows the SAP Display Changes of Attributes interface. It displays a table of attribute changes for the functional location "UIPLFLMASS01 (FLOC MASS DEMO)". The table has columns for "User Name", "Date", "Time", "Change", "Attribute", "Old Value", "New Value", and "Table". One row is visible, showing a change made by "SAPBATCH" on "20.08.2018" at "02:44:57" where the "ABC Indicator" attribute was changed from "C" to "B". The "Table" column indicates "Check Table" for this entry. At the top, there are buttons for "View: [Standard View] / Print Version / Export / Descriptions".

18. 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.



Show Objects of Entity Type: Functional Location

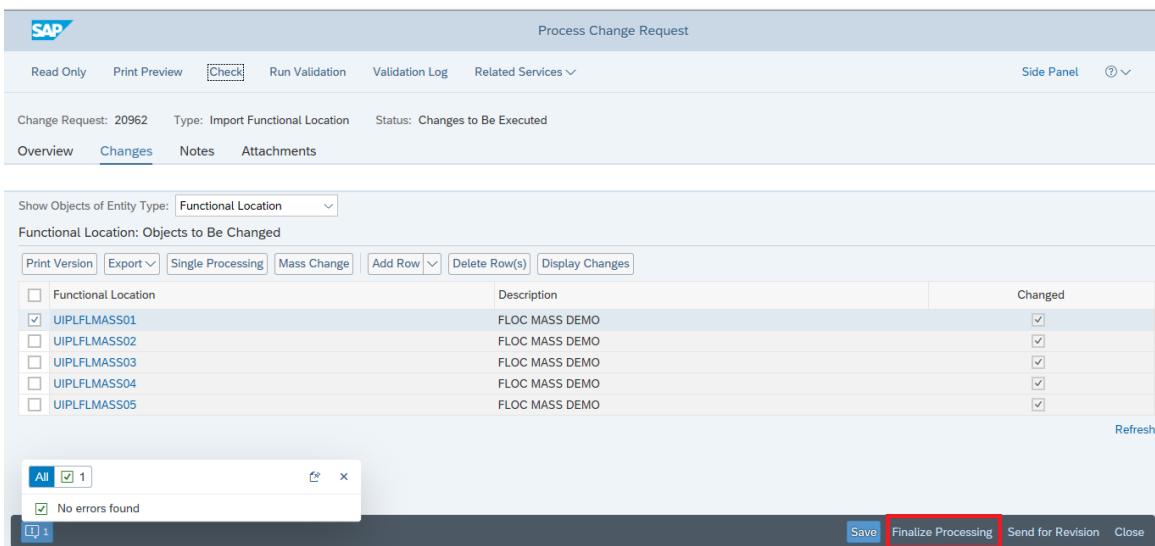
Functional Location: Objects to Be Changed

Functional Location	Description	Changed
<input checked="" type="checkbox"/> UIPLFLMASS01	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS02	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS03	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS04	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS05	FLOC MASS DEMO	<input checked="" type="checkbox"/>

All 1  
No errors found

Save Finalize Processing Send for Revision Close

19. Click on “Finalize Processing”.



Show Objects of Entity Type: Functional Location

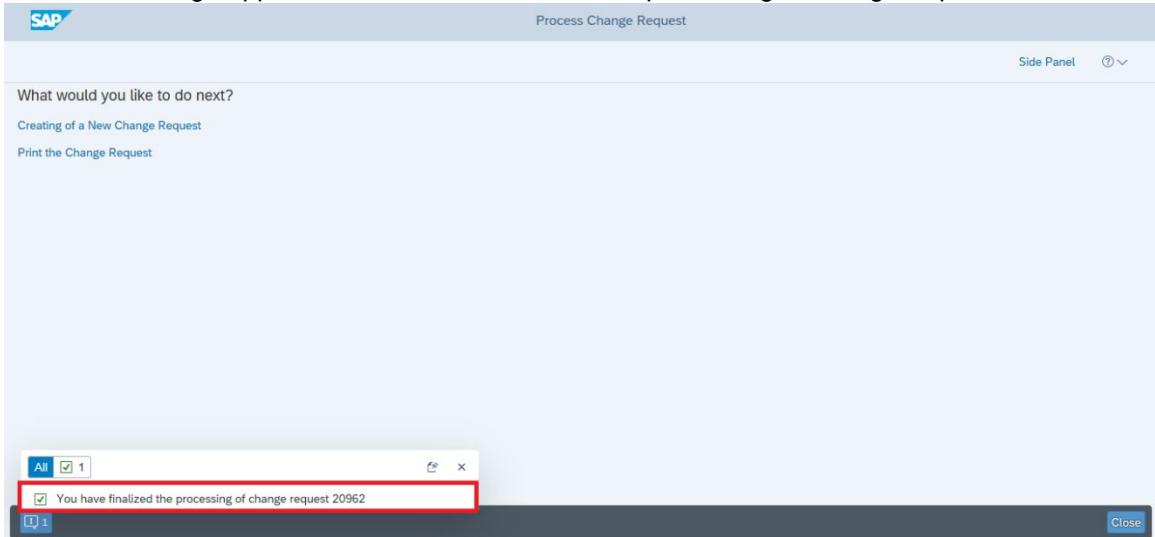
Functional Location: Objects to Be Changed

Functional Location	Description	Changed
<input checked="" type="checkbox"/> UIPLFLMASS01	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS02	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS03	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS04	FLOC MASS DEMO	<input checked="" type="checkbox"/>
<input type="checkbox"/> UIPLFLMASS05	FLOC MASS DEMO	<input checked="" type="checkbox"/>

All 1  
No errors found

Save Finalize Processing Send for Revision Close

Success message appears as “You have finalized the processing of change request XXXX”.



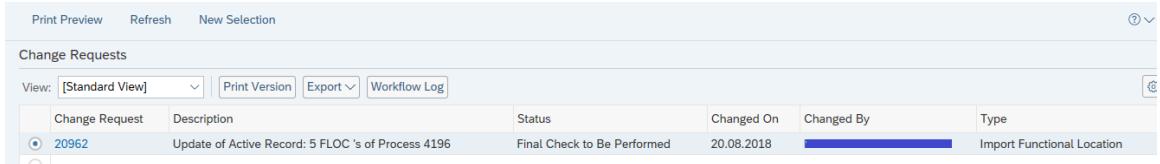
What would you like to do next?

Creating of a New Change Request  
Print the Change Request

All 1  
You have finalized the processing of change request 20962

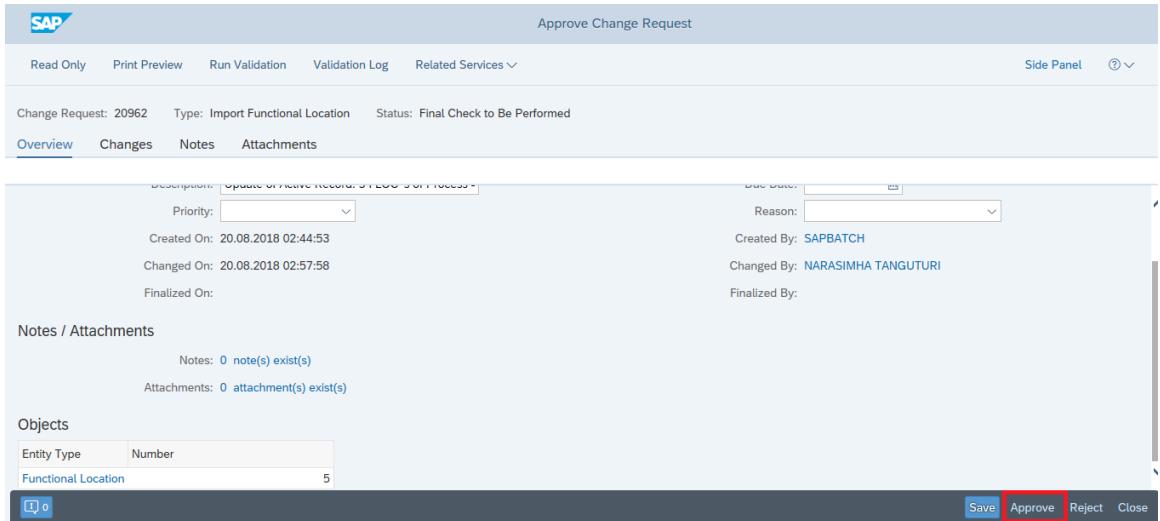
Close

20. Once finalized, the status of the Change Request is changed as “Final check to be performed”.



Change Request	Description	Status	Changed On	Changed By	Type
20962	Update of Active Record: 5 FLOC 's of Process 4196	Final Check to Be Performed	20.08.2018	[Redacted]	Import Functional Location

21. Click on the “Approve” button.



Approve Change Request

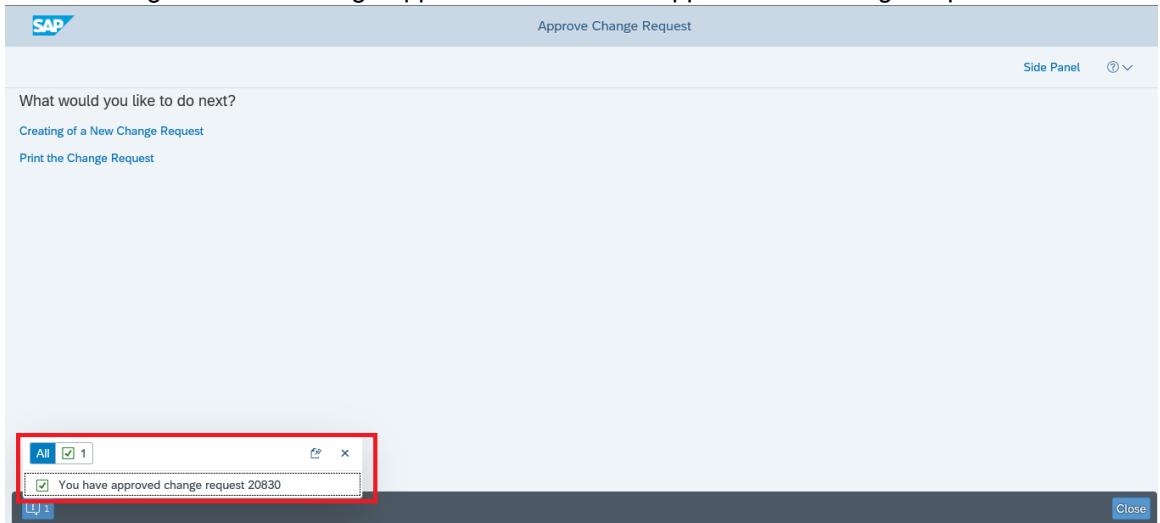
Change Request: 20962 Type: Import Functional Location Status: Final Check to Be Performed

Notes / Attachments

Objects

Save **Approve** Reject Close

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



Approve Change Request

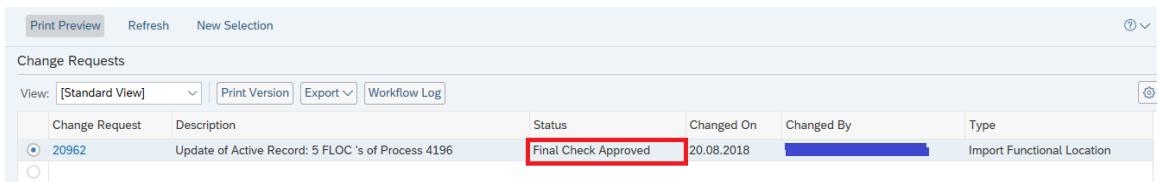
What would you like to do next?

Creating of a New Change Request  
Print the Change Request

All  You have approved change request 20830

Close

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



Change Request	Description	Status	Changed On	Changed By	Type
20962	Update of Active Record: 5 FLOC 's of Process 4196	Final Check Approved	20.08.2018	[Redacted]	Import Functional Location

## Manage Mass Processes

Run t-code /UI2/FLP. Launch the Fiori application “Manage Mass Processes” to view the process IDs launched.



**Processes (110)**

Process	User	Creation Date	Status	Records
Template Config for FL Mass update Process ID: 4196	[User Name]	20 Aug	Finished	5 >

[Create Process](#) [Delete](#)

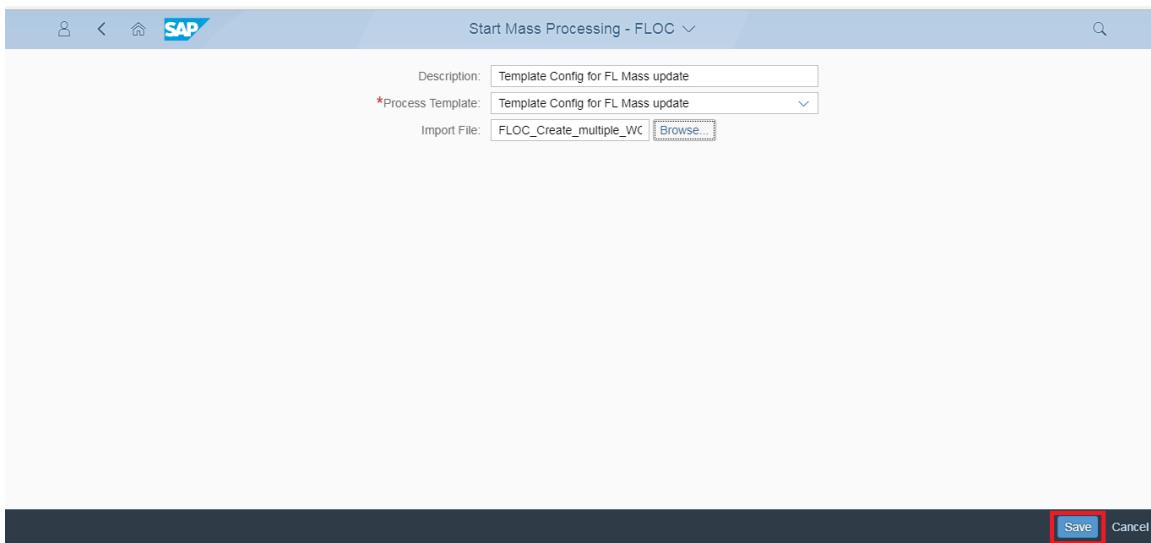
## Mass Change Using Excel

You can use the following steps to perform the mass change using the MDC applications.

1. Run t-code “/UI2/FLP”. Launch the Fiori application “Start Mass Processing”.



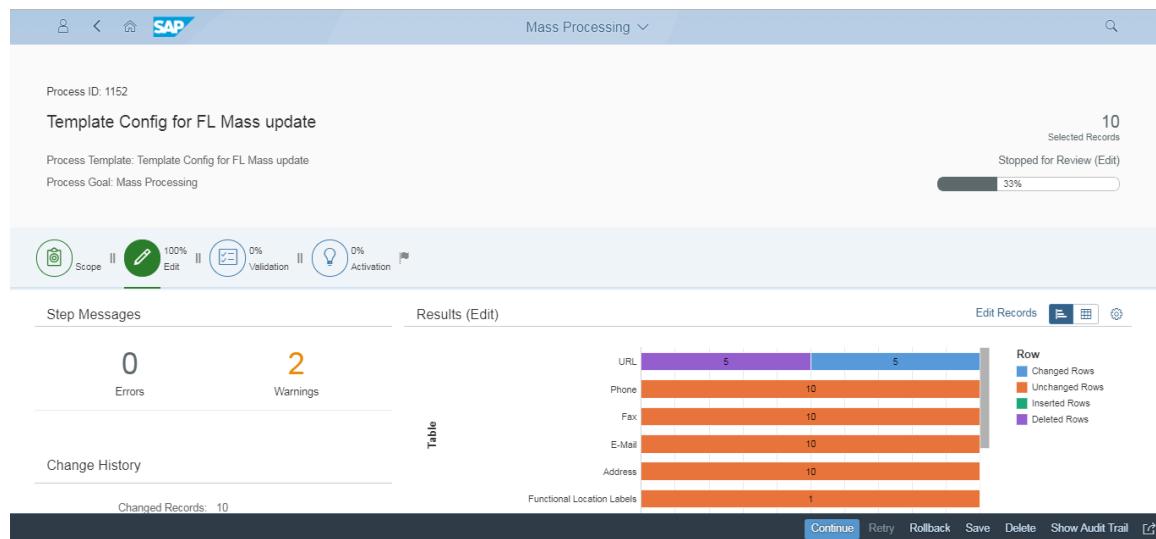
2. Choose the process template from the drop down. Click on the “Browse” button to select the Excel file for mass change.
3. Click on “Save” button.



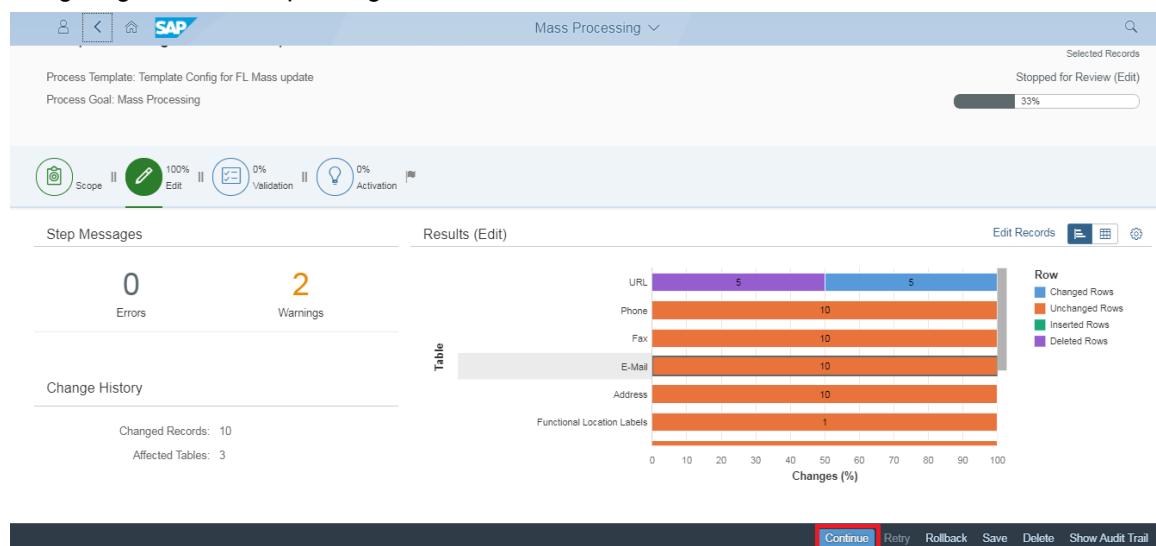
A new process ID is created.

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

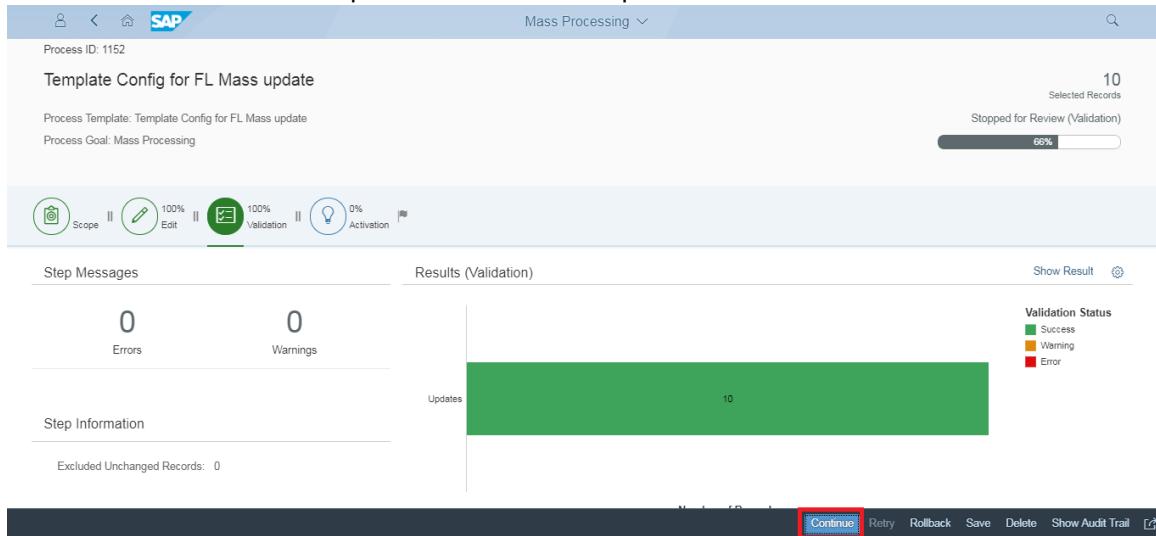
The graph shows the changed, deleted, inserted, deleted records with different color conventions as shown in the following screen.



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

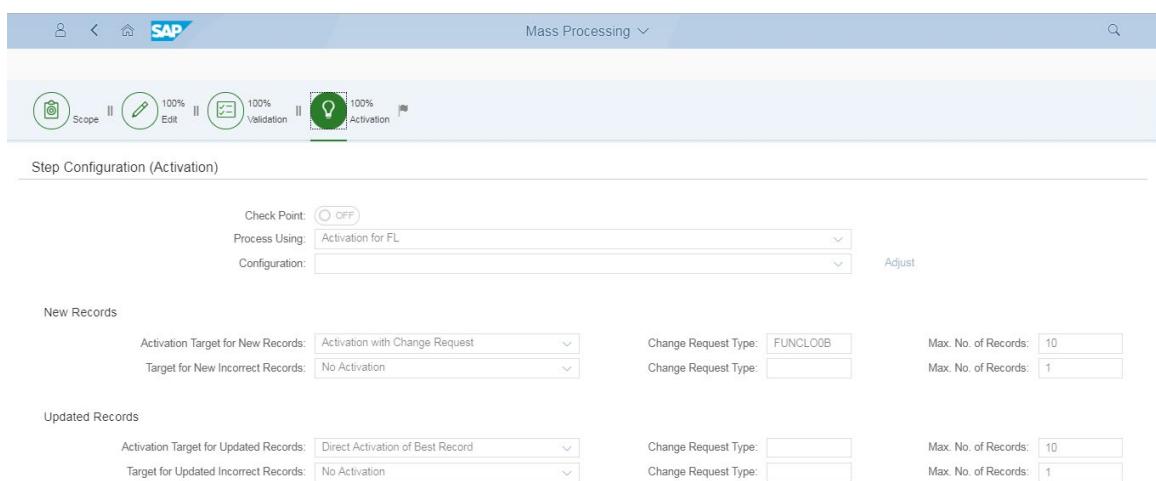
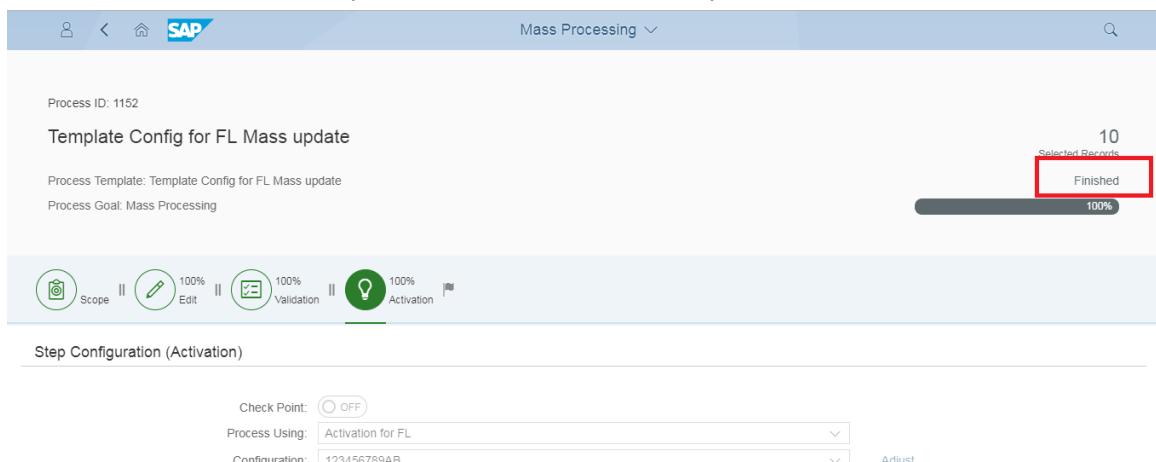


**5. Click on “Continue” button to proceed to the next step i.e. Validation.**



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.

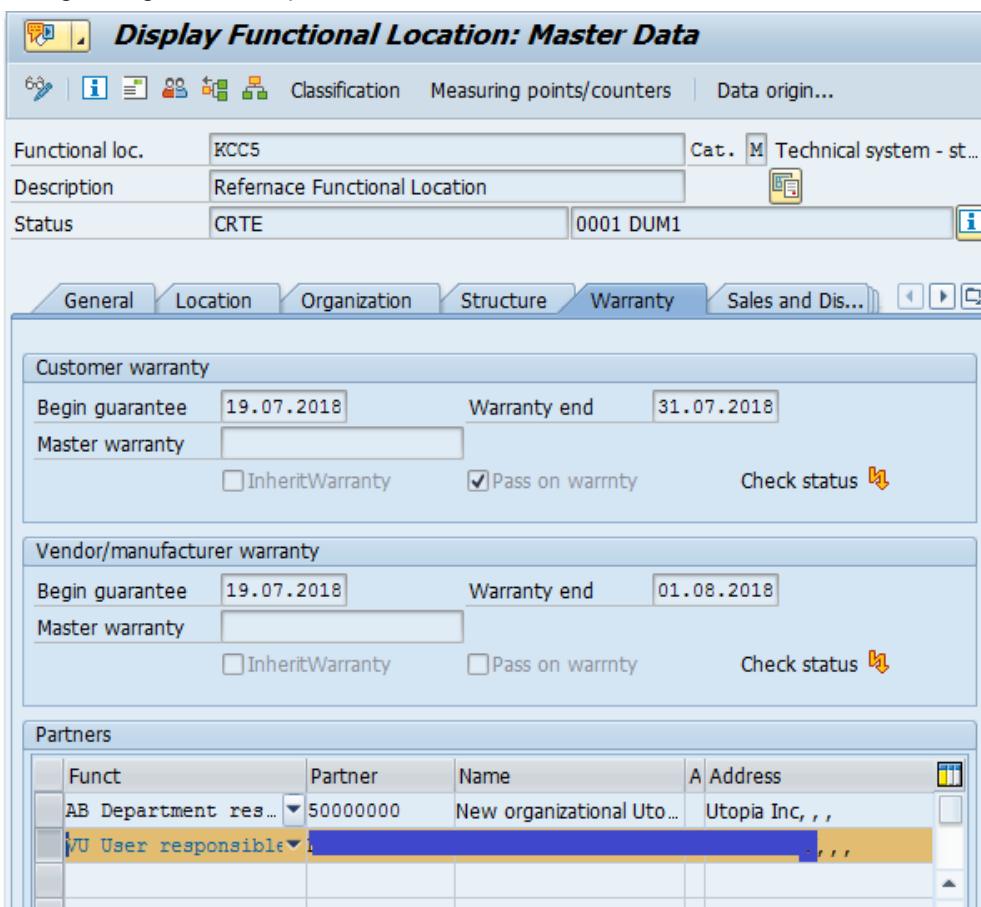
6. You can click on the link “Show results” to the review and change the erroneous records.
7. Click on “Continue” button to proceed with the activation step.



8. Once the activation is successful, a Change Request is launched.

 Note

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



Funct	Partner	Name	A Address
AB Department res...	50000000	New organizational Uto...	Utopia Inc, , ,
VU User responsible			

## Perform Consolidation

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 /UGI/MDC\_EAM\_CONFIG\_MATCH\_920 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 /UGI/MDC\_EAM\_BR\_CONFIG\_920 is activated.

## Configure Process Template

You can use the following steps to configure the process template for the consolidation process.

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 Functional Location.

Display View "Master Data Consolidation: Configuration of Adapters": O			
BO Type	Step Type	Process Step Adapter	Adapter Description
183	Activation	/UGI/CL_MDC_ADAPTER_EQ_ACT	Activation for EQ
183	Best Record Calculation	/UGI/CL_MDC_ADAPTER_EQ_BRC	Equipment Best Record Calculation
183	Edit	/CL_MDC_ADAPTER_EDI	Interactive Mass Processing
183	Filter & Remove	/CL_MDC_ADAPTER_FAR	Filter and Remove
183	Matching	/UGI/CL_MDC_ADAPTER_EAM_MTC	EAM Hana Matching
183	Matching	/CL_MDC_ADAPTER_FUZZY_MTC	CL_MDC_ADAPTER_FUZZY_MTC
183	Matching	/CL_MDC_ADAPTER_MTC	CL_MDC_ADAPTER_MTC
183	Standardization	/UGI/CL_MDC_ADAPTER_EQ_VALMAP	Evaluate value mapping for EQ
183	Standardization	/UGI/CL_MDC_ADAPTER_EQ_KEYMAP	Evaluate Key Mapping for EQ
183	Standardization	/CL_MDC_ADAPTER_BRF_STD	BRFplus
183	Validation	/UGI/CL_MDC_ADAPTER_EQ_VAL	EQ Validations (Business Suite)

3. 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 “185”.
  - 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.

 Note

You can also activate the BC-Set “/UGI/MDC\_EAM\_PT\_CONFIG\_920” for the below given default configuration as in the following screen.

Display View "Process Template": Overview							
Dialog Structure		Process Template	BO Type	Description	Process Workflow...	Name	Process Goal
Process Ten	Process	UGI_FL_CON	SAP: FL Consolidate Product Data	185	Installation Point	W554500001	MDC Workflow

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

Display View "Process Template Step": Overview							
Dialog Structure		Process Template	SAP: FL Consolidate Product Data	Bus. Obj. Type	185	Installation Point	
Process Ten	Process	UGI_FL_CON					
		Process Template Step					
		Step	Step Type	Description	BO Type	Adapter	Config. ID
		1	MTC Ma...	Matching	/UGI/CL_MDC_ADAPTER_EAM_MTC	SAP_FLCL	<input checked="" type="checkbox"/>
		2	BRC Be...	Best Record Calculation	/UGI/CL_MDC_ADAPTER_FL_BRC	UFL_BRC	<input checked="" type="checkbox"/>
		3	VAL Va...	Validation	/UGI/CL_MDC_ADAPTER_FL_VAL	UFLVAL	<input checked="" type="checkbox"/>
		4	ACT Ac...	Activation	/UGI/CL_MDC_ADAPTER_FL_ACT	SAP_ACT_FL	<input type="checkbox"/>
							Action Control for next step
							No action control

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

6. Validation can be configured for MDG checks and BRF+.

Change View "Master Data Consolidation: Configurations for Validation"							
BC Set: Change Field Values							
Configuration ID	<input type="text" value="UFLOC_VAL"/>						
Master Data Consolidation: Configurations for Validation							
Description	<input type="text" value="Functional Location Validation Config"/>						
No of Processes	<input type="text"/>						
Queue Prefix	<input type="text" value="MDC_FL_VAL_Q"/>						
<input checked="" type="checkbox"/> MDG Checks							
<input type="checkbox"/> BRF+ Checks							
<input type="checkbox"/> Write MDQ Worklist							
<input type="checkbox"/> Remove Unchanged Rec							
Threshold	<input type="text"/>						

The default configuration is “Direct Activation”. This can be changed to “Activation with change request” with the Change Request EQMAST0B.

- The value “Max. Rec” can be changed to a value to indicate the number of Functional Location objects allowed per Change Request.
- Replication is integrated with the Activation step for Direct Activation.

- The indicated checkbox in the following screen should be marked for the IDocs to be generated after successful activation.

**Change View "Configurations for Activation for FLOC": Details**

New Entries					
Configuration ID / Description    SAP : FLOC Activation					
<b>Configurations for Activation for FLOC</b>					
No of Processes	10	Queue Prefix	MDC_FL_ACT_Q_		
<b>New Records</b>					
Activation Target for New Records	1 Direct Activation	Type of Chg. Request		Max. Reco	10
Target for New Incorrect Records	2 Activation with Change Request	Type of Chg. Request	FUNCLOOB	Max. Reco	10
<b>Updated Records</b>					
Activation Target for Updated Records	1 Direct Activation of Best Record	Type of Change Request		Max. Recor	10
Target for New Incorrect Records	2 Activation of Best Record with Change Request	Type of Change Request	FUNCLOOB	Max. Recor	10
<b>Match Group</b>					
Activation Target for Match Groups	1 Direct Activation of Best Record	Type of Chg. Request		Max. Recor	10
Target for Incorrect Match Groups	2 Activation of Best Record with Change Request	Type of Chg. Request	FUNCLOOB	Max. Recor	10
<b>Replication</b>					
<input checked="" type="checkbox"/> Call DRF after Activation					
<b>Validation</b>					
<input checked="" type="checkbox"/> Execute Central Governance Checks (Validation Rules (BRF+) & BAdI Validations)					
<input checked="" type="checkbox"/> IMDG BRF Checks					

## Prerequisites

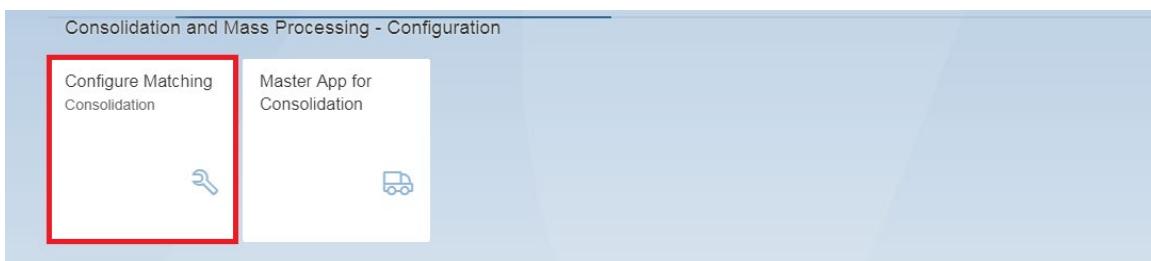
You can use the following steps to define the ruleset for matching process.



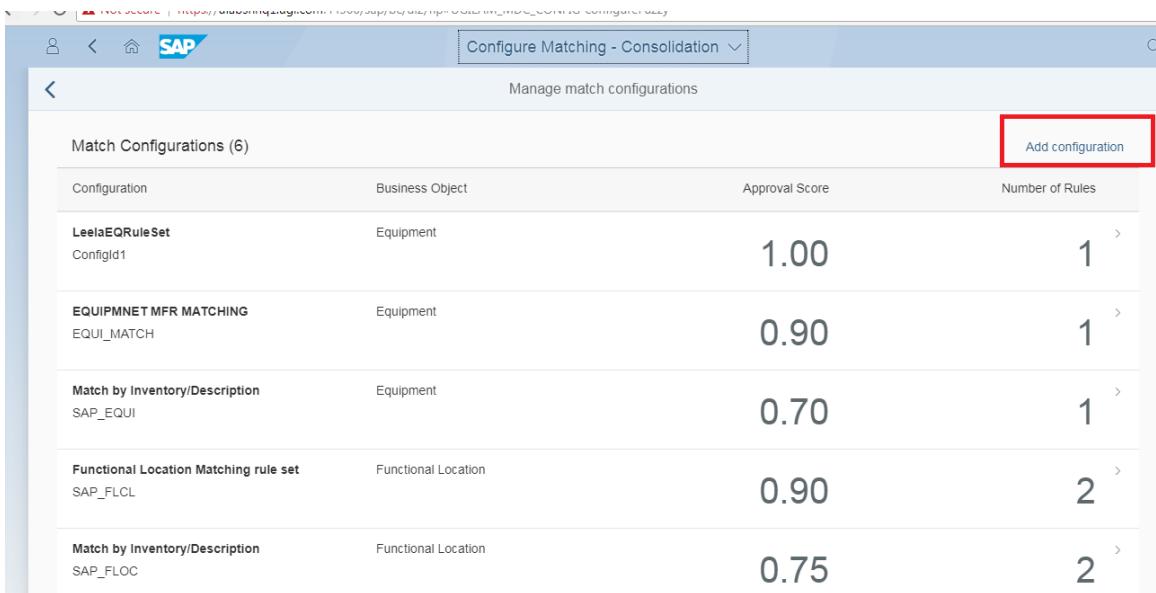
### Note

Make sure that at least one rule set is defined for the matching step.

- Run t-code "/UI2/FLP". Launch the Fiori application "Configure Matching Consolidation".

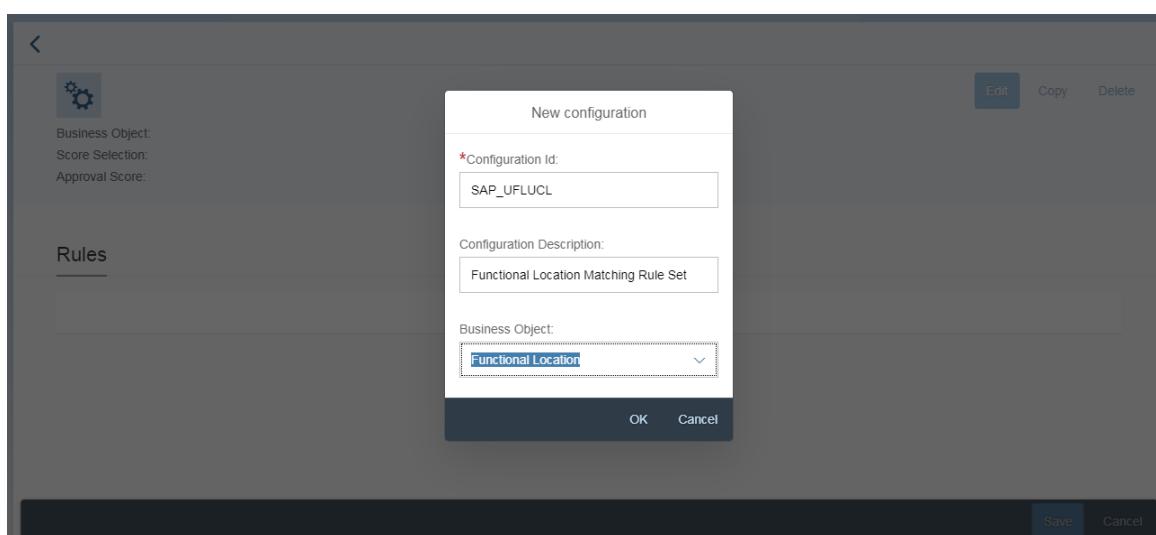


- Click on "Add configuration" button.

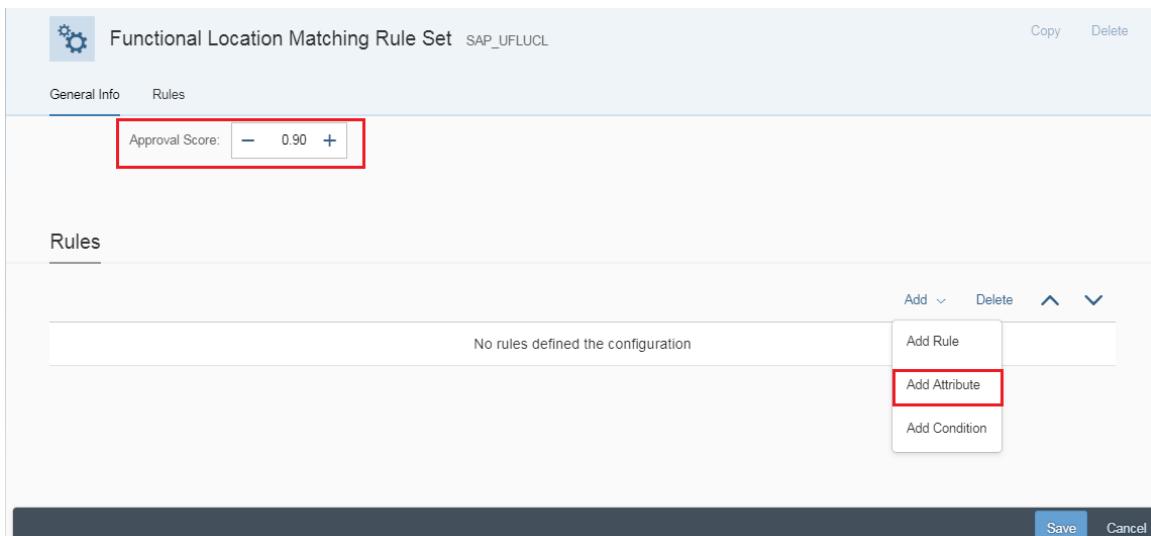


Match Configurations (6)			
Configuration	Business Object	Approval Score	Number of Rules
LeelaEQRULESET ConfigId1	Equipment	1.00	1
EQUIPMNET MFR MATCHING EQUI_MATCH	Equipment	0.90	1
Match by Inventory/Description SAP_EQUI	Equipment	0.70	1
Functional Location Matching rule set SAP_FCL	Functional Location	0.90	2
Match by Inventory/Description SAP_FLOC	Functional Location	0.75	2

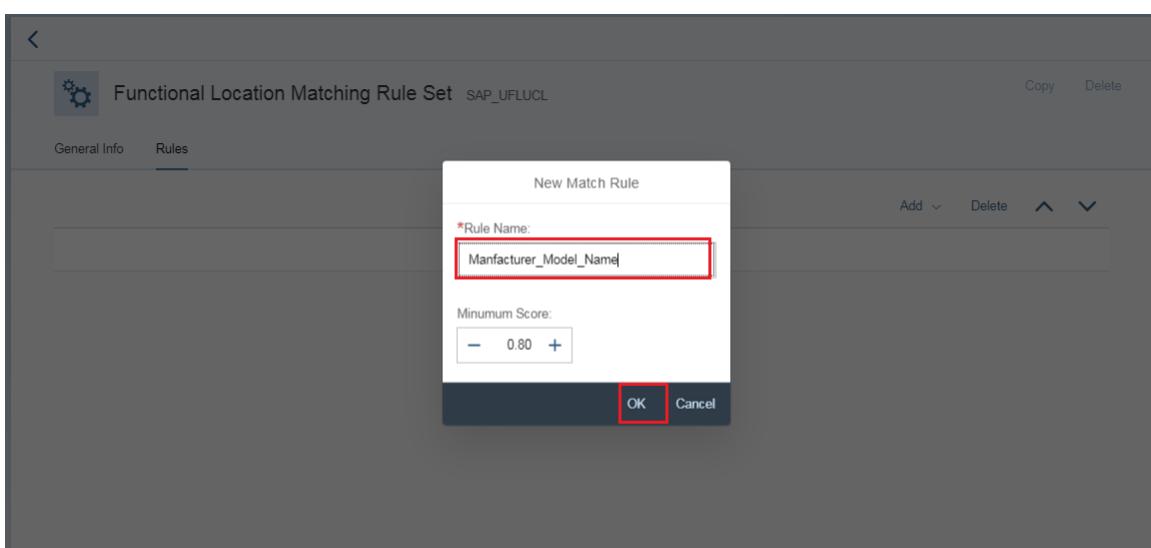
3. Provide Configuration id and configuration Description and business object. Click on “OK” button.



4. Provide “Approval score”. Click on “Add” button. Choose “Add Rule “option.



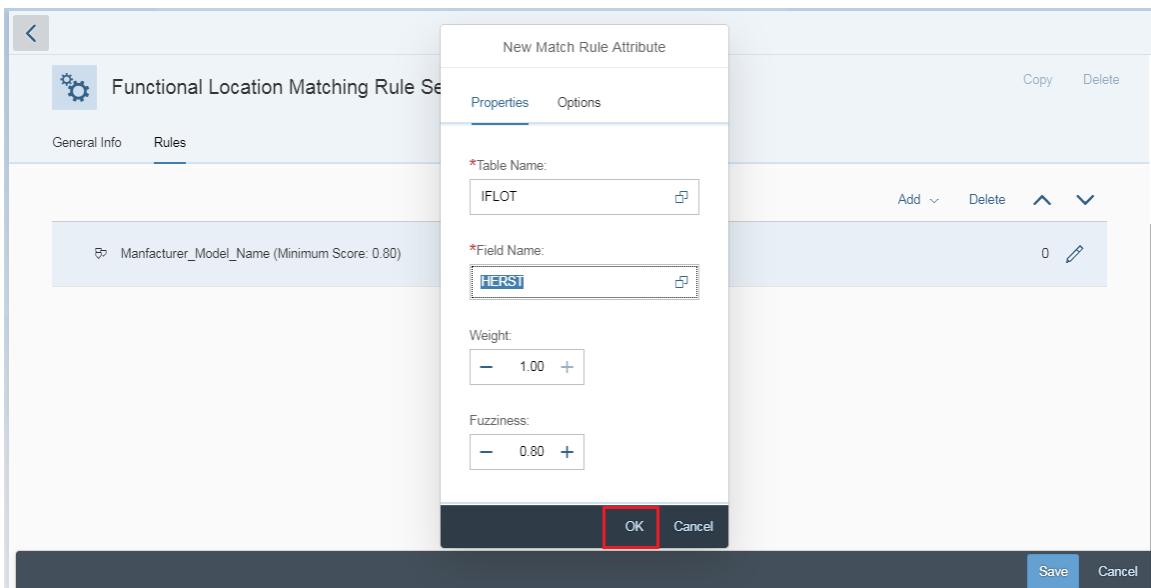
5. Provide “Rule name” and click on “OK” button.



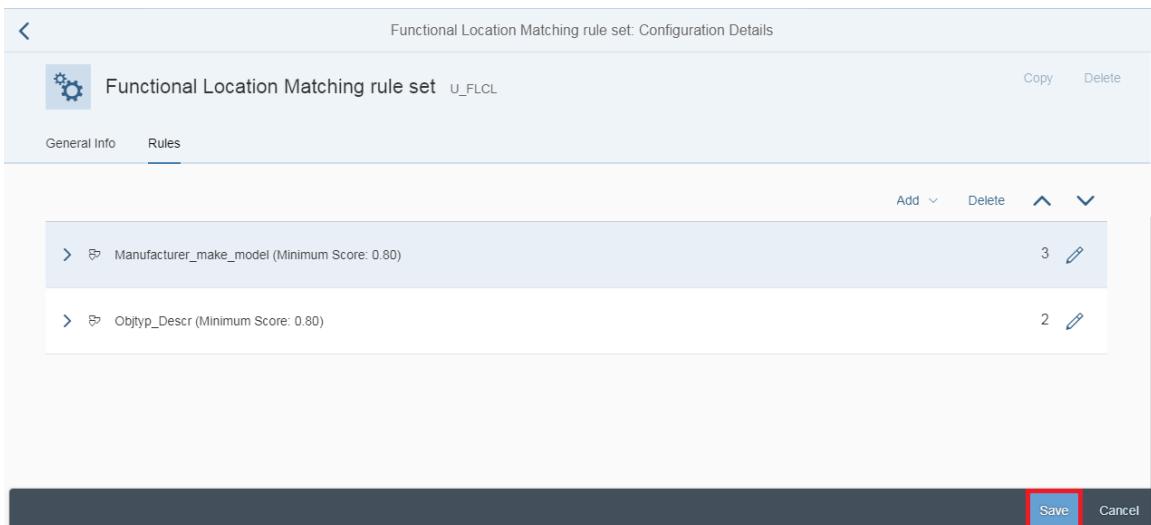
6. Select Rule. Click on “Add” button and choose “Add Attribute” option.



7. Provide following screen details and click on “OK” button.



- Click on “Save” button.



## Perform Import

You can use the following steps to import the data files.

- Run t-code “/UI2/FLP”. Launch Fiori application “Import Data for Consolidation”.



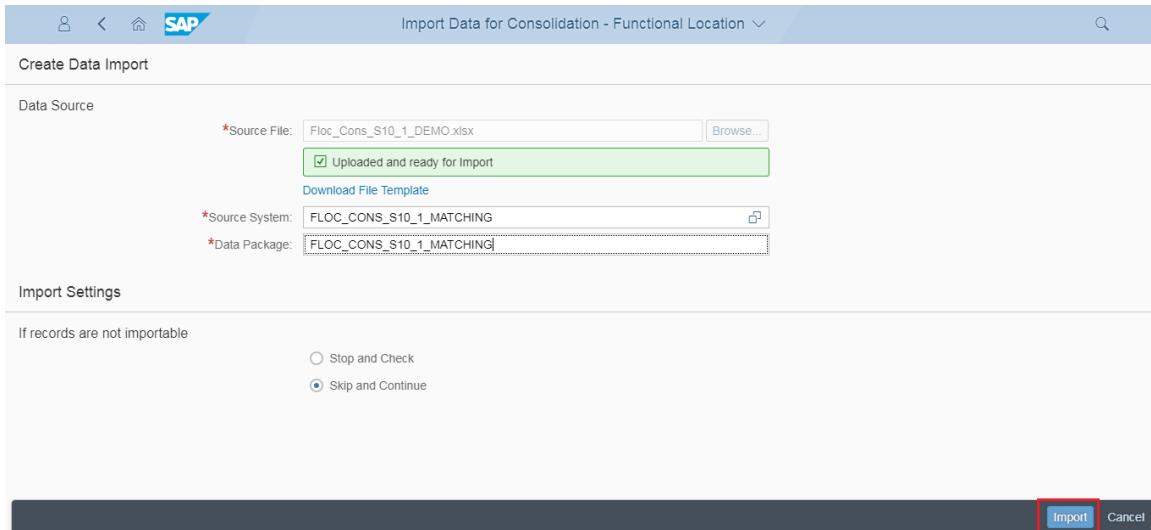
You can use this application to upload the files from different sources used in consolidation of data.

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

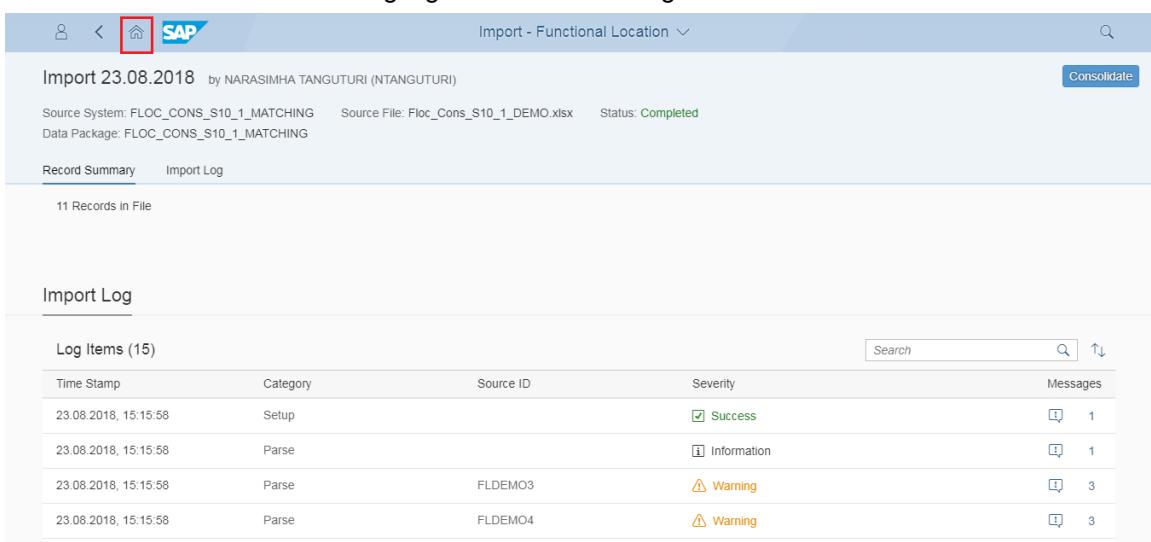
### Note

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

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



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

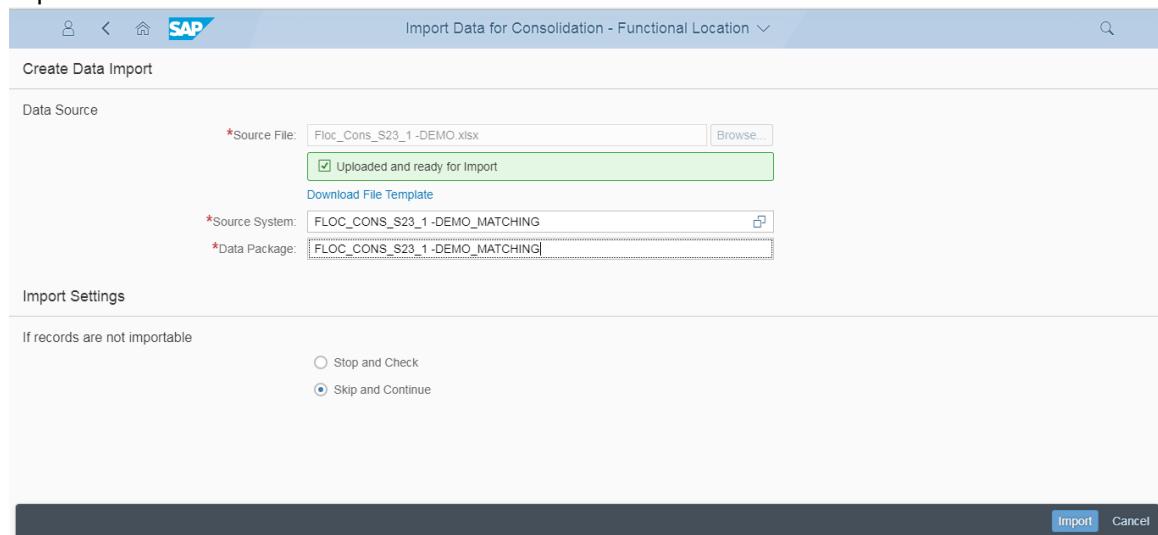


Log Items (15)				
Time Stamp	Category	Source ID	Severity	Messages
23.08.2018, 15:15:58	Setup		Success	1
23.08.2018, 15:15:58	Parse		Information	1
23.08.2018, 15:15:58	Parse	FLDEMO3	Warning	3
23.08.2018, 15:15:58	Parse	FLDEMO4	Warning	3

### Note

Follow the above steps to upload all the source files.

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



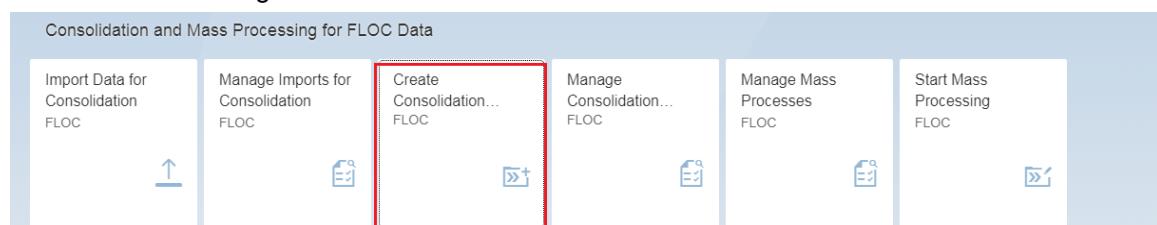
The screenshot shows the SAP Fiori interface for 'Import Data for Consolidation - Functional Location'. The 'Create Data Import' screen is displayed. Under 'Data Source', the 'Source File' is set to 'Floc\_Cons\_S23\_1-DEMO.xlsx' and the 'Uploaded and ready for import' checkbox is checked. Under 'Import Settings', the 'If records are not importable' section has 'Skip and Continue' selected. At the bottom right, there are 'Import' and 'Cancel' buttons.

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

## Start Consolidation Process

You can use the following steps to perform the Consolidation of the imported data.

- Run t-code “/UI2/FLP”. Launch the Fiori application “Create Consolidation FLOC” button as shown in the following screen.



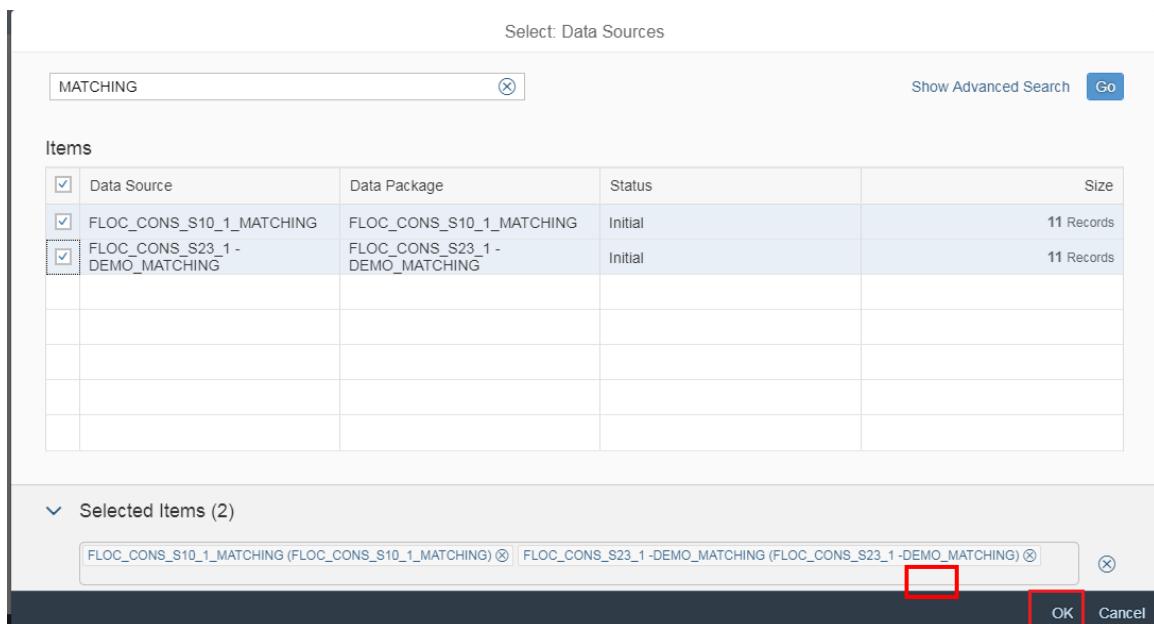
- Enter the description. The process goal should be selected as “Consolidation of Source Records”.

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.

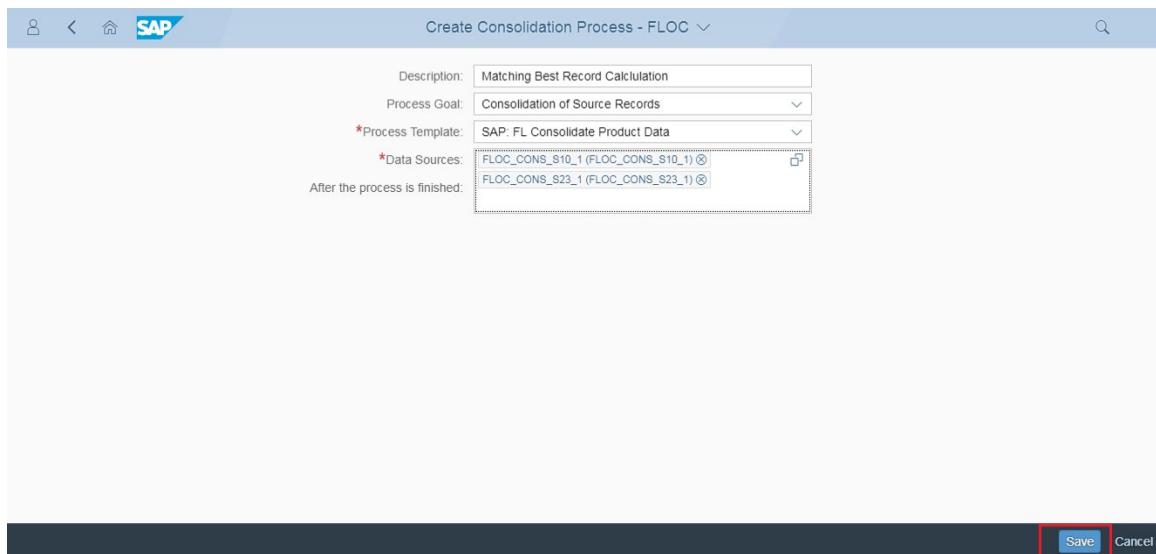
You can choose the radio button “Delete source data” in case you wish to delete the source status tables after the process is finished.



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



- Click on “Save” button.



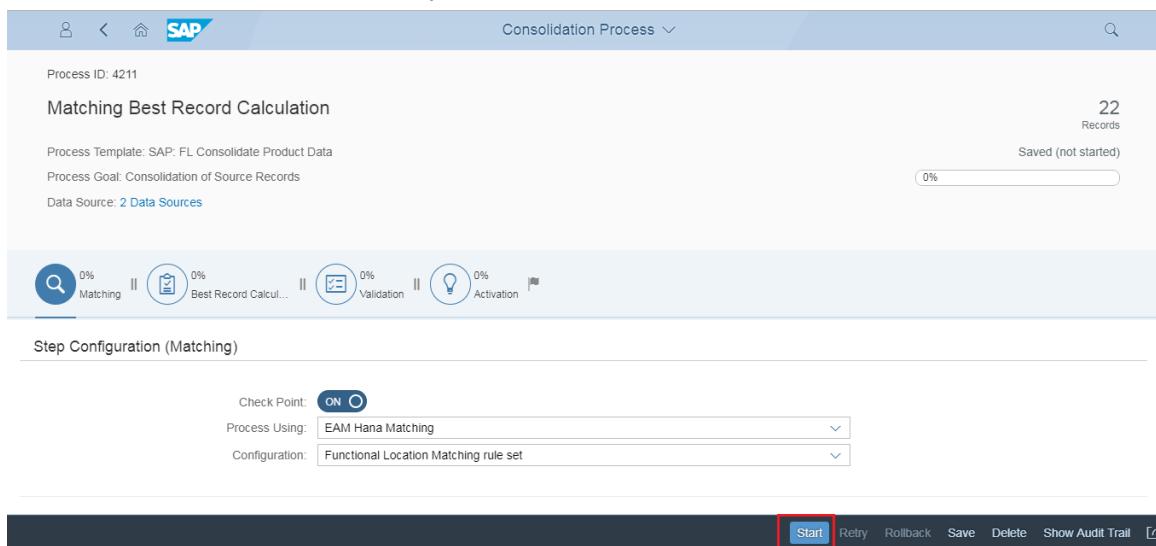
The screenshot shows the SAP Fiori interface for creating a consolidation process. The title bar says "Create Consolidation Process - FLOC". The form fields include:

- Description: Matching Best Record Calculation
- Process Goal: Consolidation of Source Records
- Process Template: SAP: FL Consolidate Product Data
- Data Sources: FLOC\_CONS\_S10\_1 (FLOC\_CONS\_S10\_1) and FLOC\_CONS\_S23\_1 (FLOC\_CONS\_S23\_1)
- After the process is finished: (empty)

At the bottom right, there are "Save" and "Cancel" buttons.

A new process ID is created.

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

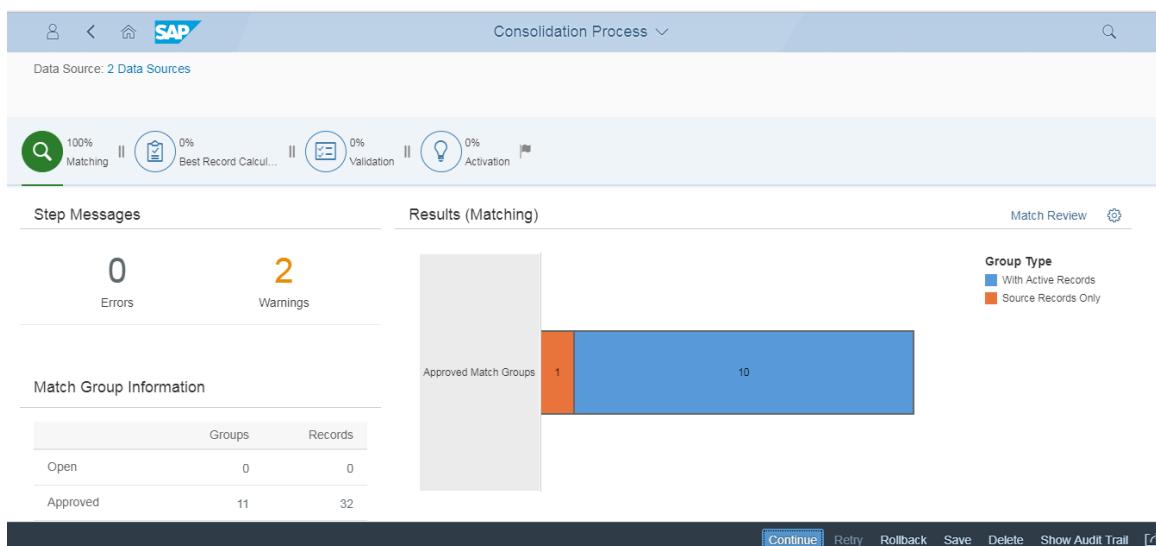


The screenshot shows the SAP Fiori interface for a consolidation process with Process ID 4211. The title bar says "Consolidation Process". The details section includes:

- Matching Best Record Calculation
- Process Template: SAP: FL Consolidate Product Data
- Process Goal: Consolidation of Source Records
- Data Source: 2 Data Sources
- 22 Records
- Saved (not started)
- 0% Progress

The Step Configuration (Matching) section shows five steps: Matching, Best Record Calcul., Validation, and Activation, all at 0% completion. The Start button is highlighted with a red box.

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



The screenshot shows the SAP Fiori interface for a consolidation process. The title bar says "Consolidation Process". The details section includes:

- Data Source: 2 Data Sources

The Step Messages section shows 0 Errors and 2 Warnings. The Results (Matching) section shows:

- Match Group Information: Approved Match Groups (1)
- Group Type: With Active Records (10), Source Records Only (1)

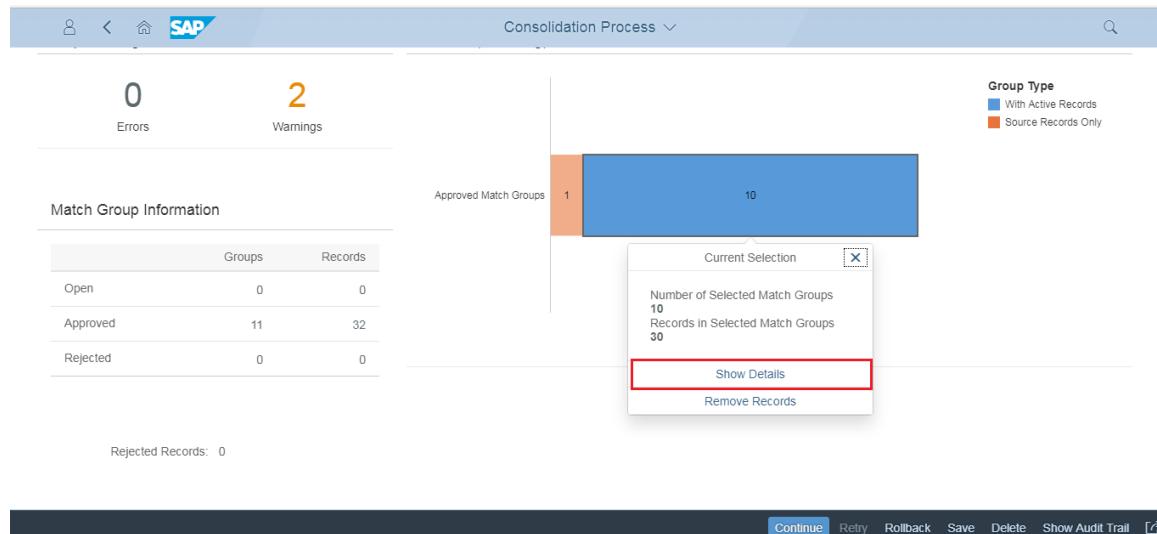
The bottom navigation bar includes Continue, Retry, Rollback, Save, Delete, Show Audit Trail, and a refresh icon.

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 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.



- 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.

- Click on “Back” button to navigate to the home page.

2 Potential Duplicates for MACHINERY												Undo Approval	Split
Functional loc.	Strindicator	FunctLocCat.	Autho...	Manu...	Plann...	Manufact...	Mode...	Desc...	Rule	Score (%)	Approval ...		
<input type="checkbox"/> FLDEMO12	REFX	L	0001	175	0001	YYINC	FSH4224			100			
<input type="checkbox"/>	REFX	L	0001	175	0001	YYINC	FSH4224	Manufacturer_		100			
<input type="checkbox"/>	REFX	L	0001	175	0001	YYINC	FSH4224	Manufacturer_		100			

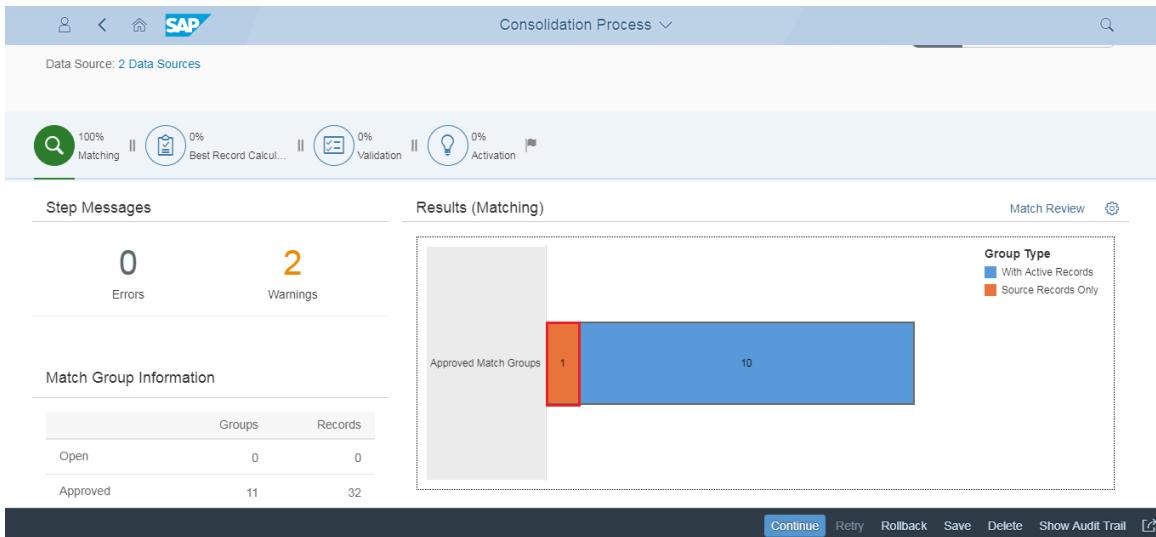
  

2 Potential Duplicates for ELECTRIC MOTOR												Undo Approval	Split
Functional loc.	Strindicator	FunctLocCat.	Autho...	Manu...	Plann...	Manufact...	Mode...	Desc...	Rule	Score (%)	Approval ...		
<input type="checkbox"/> MDCCONSOLID3	REFX	L	0001	3196 MT	0001	FISHER	FSH764			100			
<input type="checkbox"/>	REFX	L	0001	3196 MT	0001	FISHER	FSH764	Manufacturer_		100			
<input type="checkbox"/>	REFX	L	0001	3196 MT	0001	FISHER	FSH764	Manufacturer_		100			

2 Potential Duplicates for INDUSTRIAL BREAKER												Undo Approval	Split
Functional loc.	Strindicator	FunctLocCat.	Autho...	Manu...	Plann...	Manufact...	Mode...	Desc...	Rule	Score (%)	Approval ...		
<input type="checkbox"/> MDCCONSOLID4	REFX	L	0001	E2AA2R2	0001	FISHER	FIH353			100			
<input type="checkbox"/>	REFX	L	0001	E2AA2R2	0001	FISHER	FIH353	Objtyp_Descr		100			
<input type="checkbox"/>	REFX	L	0001	E2AA2R2	0001	FISHER	FIH353	Objtyp_Descr		100			

- Click on “Approved Match Groups” graph to view the records.



Step Messages

0 Errors    2 Warnings

Match Group Information

	Groups	Records
Open	0	0
Approved	11	32

Results (Matching)

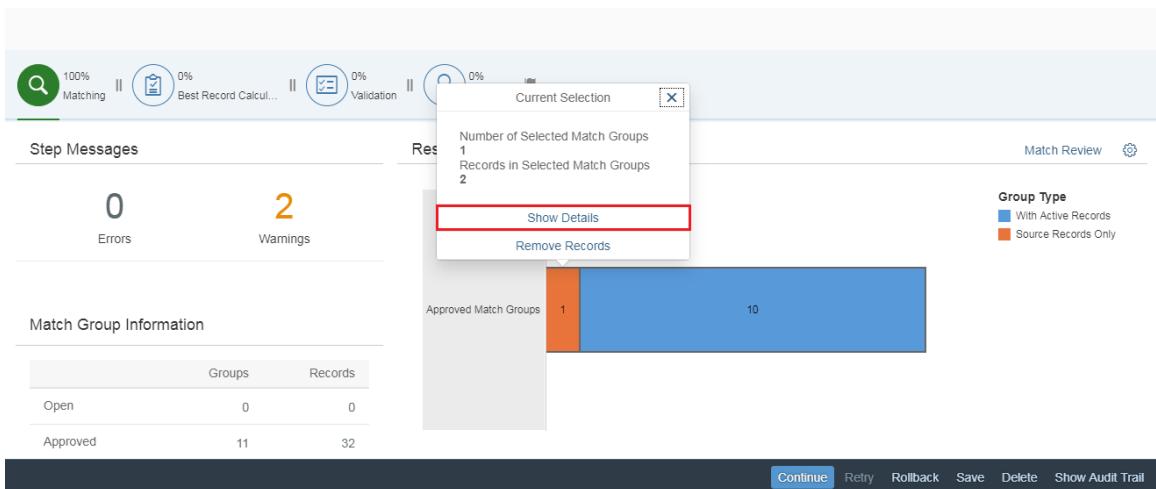
Approved Match Groups: 1    With Active Records: 10

Group Type: With Active Records

Match Review

Continue    Retry    Rollback    Save    Delete    Show Audit Trail

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



Step Messages

0 Errors    2 Warnings

Match Group Information

	Groups	Records
Open	0	0
Approved	11	32

Results (Matching)

Approved Match Groups: 1    With Active Records: 10

Group Type: With Active Records

Match Review

Show Details    Remove Records

Continue    Retry    Rollback    Save    Delete    Show Audit Trail

The following screen displays the records having “No score” as there are no matches found in the current system with the active records.



Match Review Result

Standard

Match Group Size: All    Group Type: Source Recor...

Match Groups (1 of 11) | Standard \*

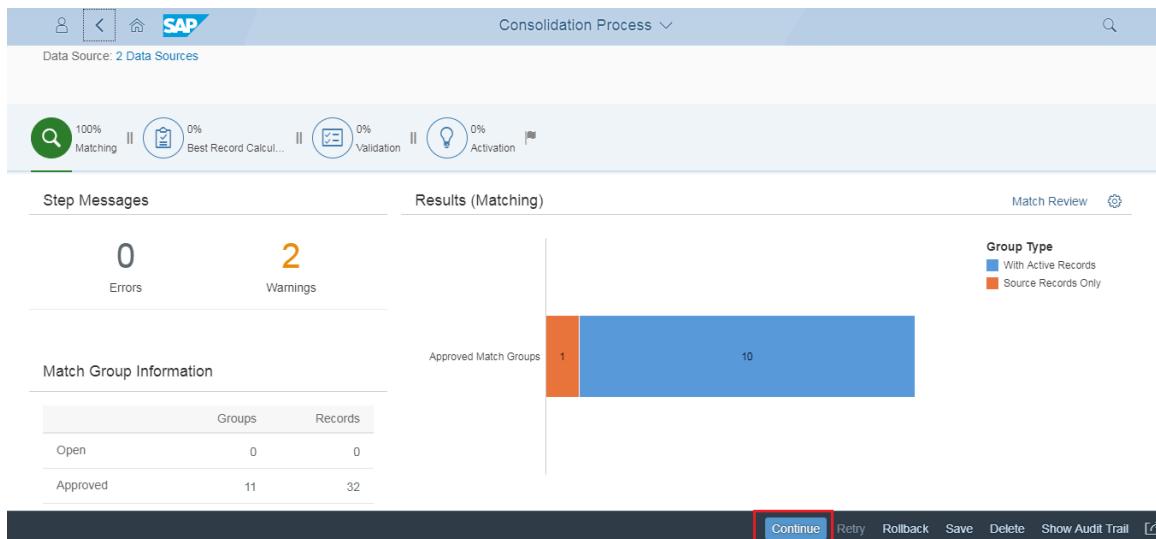
Remove Match Groups (1)

2 Potential Duplicates for Agitator TRANSPORT + MIXER

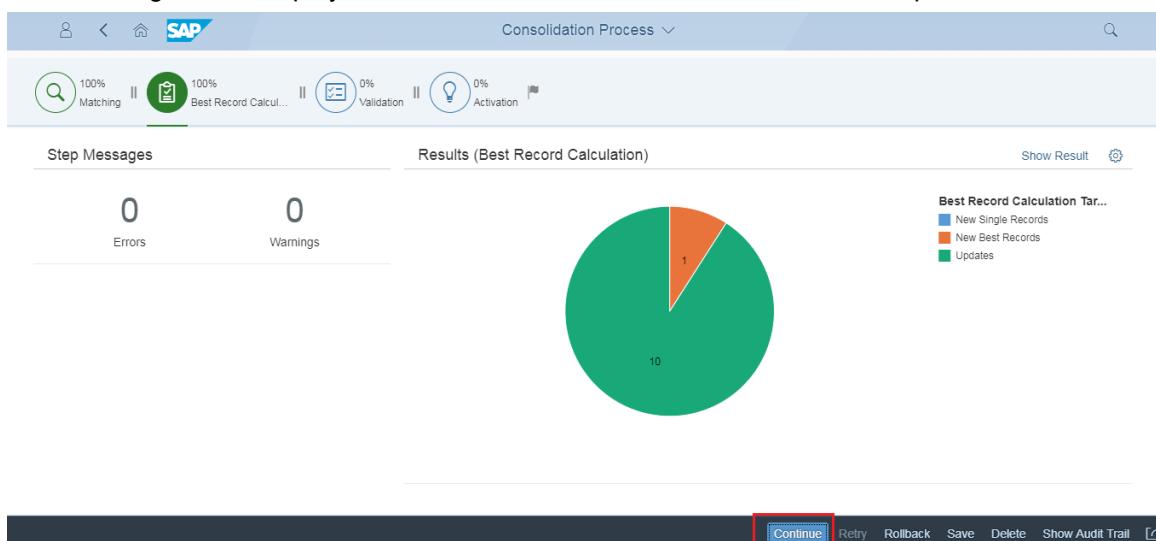
Functional loc.	Source ID	StrIndicator	FunctLocCat.	Auth...	Man...	Plan...	Manufact...	Mod...	Des...	Rule	Score (%)	Approval ...
<input type="checkbox"/>	FLDEMO13	REFX	L	0001	175	0001	UK11	RX100			No Score	
<input type="checkbox"/>	FLDEMO13	REFX	L	0001	175	0001	UK11	RX100			No Score	

These records will go for new record creation process.

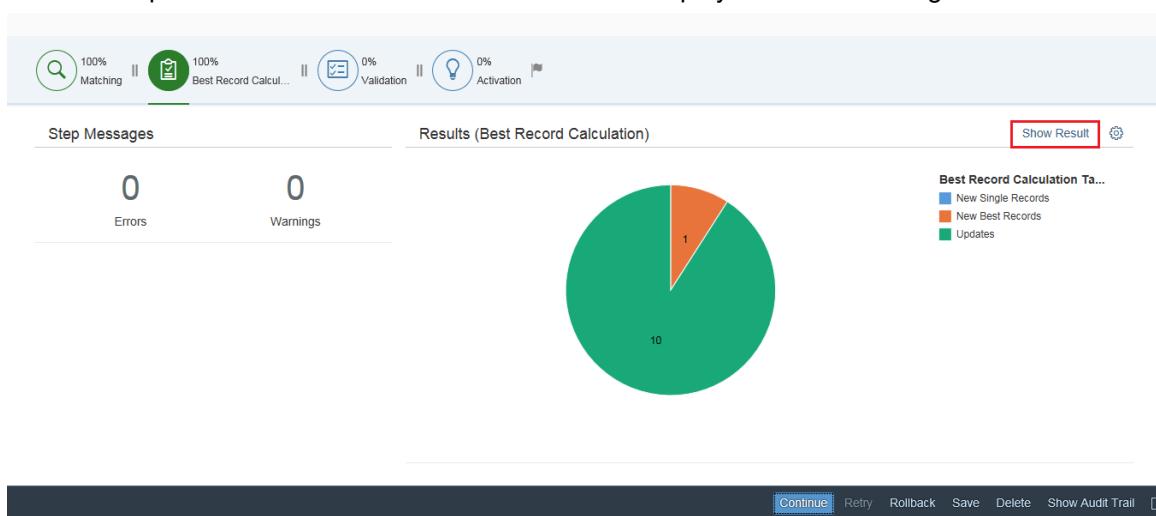
- Click on “Back” button to navigate to home page.
- Click on “Continue” button to proceed to the next step i.e. best record calculation.



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



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



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

The following screen displays the results of the best records.

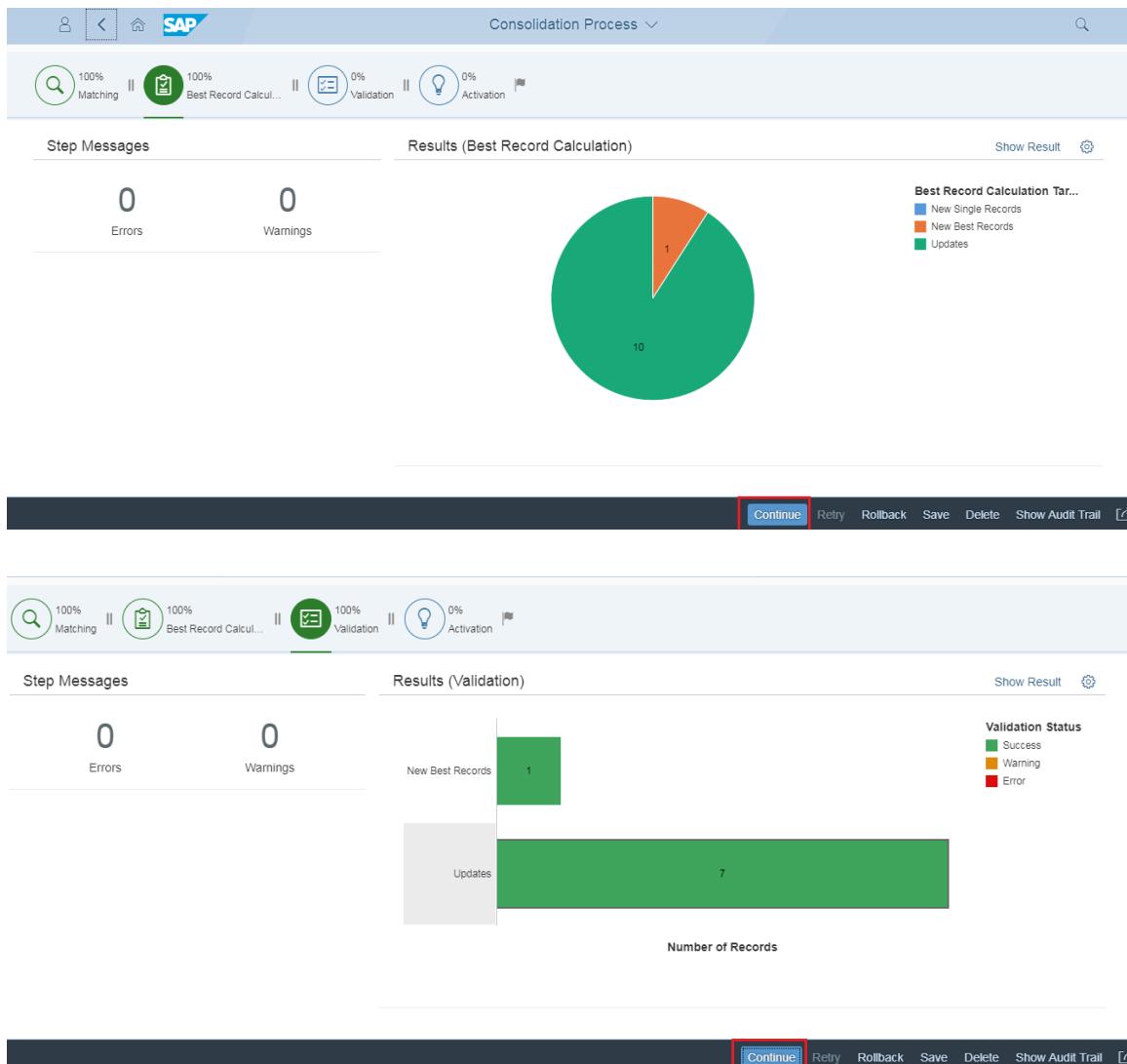
Records (11 of 11) Standard * ▾											Review (0)	Remove (0)		
	Source ID	Functional loc.	StrIndicator	Funct...	Aut...	Ma...	Pla...	Manufa...	Mo...	Description	Source Syst...	Details		
<input type="checkbox"/>	FLDEMO14		REFX	L	0001	175	0001	YN11	APACH		MDC_BRC_S10			
<input type="checkbox"/>	MDCCONSOLID10	MDCCONSOLID10	REFX	L	0001	16S-CII	0001	FISHER	FSH12		S23_UABSHN2			
<input type="checkbox"/>	?0100000000000000720	FLDEMO11	REFX	L	0001	1712	0001	YVINC	YW723		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID3	MDCCONSOLID3	REFX	L	0001	3196 M	0001	FISHER	FSH76		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID4	MDCCONSOLID4	REFX	L	0001	E2AA2I	0001	FISHER	FIH353		S23_UABSHN2			
<input type="checkbox"/>	?0100000000000000721	FLDEMO12	REFX	L	0001	175	0001	YVINC	FSH42		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID6	MDCCONSOLID6	REFX	L	0001	CAP 1-	0001	FISHER	FSH77		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID7	MDCCONSOLID7	REFX	L	0001	CAP 3x	0001	FISHER	FSH63		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID9	MDCCONSOLID9	REFX	L	0001	1397	0001	Schnider	MOD12		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID5	MDCCONSOLID5	REFX	L	0001	3996 S	0001	FISHER	FSH26		S23_UABSHN2	1 Changes		
<input type="checkbox"/>	MDCCONSOLID8	MDCCONSOLID8	REFX	L	0001	1-999-1	0001	Schnider	MOD34		S23_UABSHN2	1 Changes		

Some records are being considered for creation. 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.

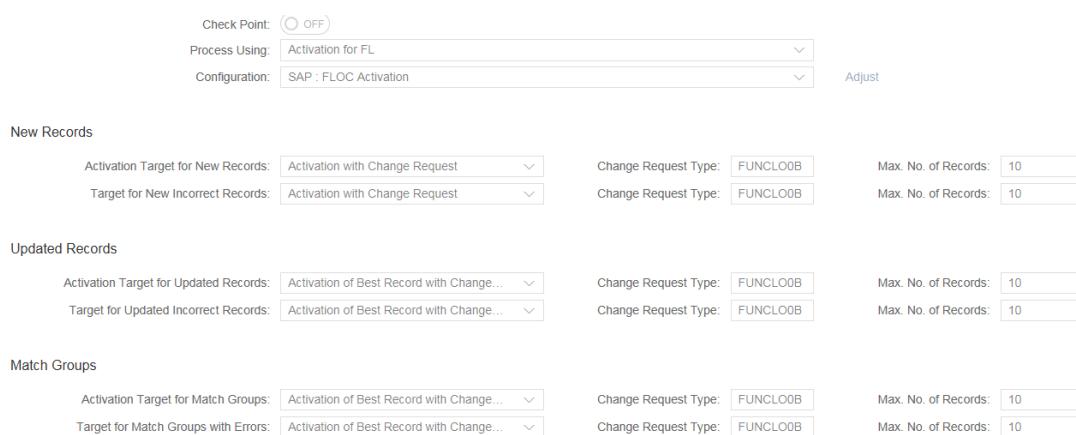
- Click on the “Changes” link as highlighted below to view the old and new values of the fields changed.

Records (11 of 11) Standard * ▾											Review (0)	Remove (0)		
	Source ID	Functional loc.	StrIndicator	Funct...	Aut...	Ma...	Pla...	Manufa...	Mo...	Description	Source Syst...	Details		
<input type="checkbox"/>	FLDEMO14		REFX	L	0001	175	0001	YN11	APACH		MDC_BRC_S10			
<input type="checkbox"/>	MDCCONSOLID10	MDCCONSOLID10	REFX	L	0001	16S-CII	0001	FISHER	FSH12		S23_UABSHN2			
<input type="checkbox"/>	?0100000000000000720	FLDEMO11	REFX	L	0001	1712	0001	YVINC	YW723		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID3	MDCCONSOLID3	REFX	L	0001	3196 M	0001	FISHER	FSH76		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID4	MDCCONSOLID4	REFX	L	0001	E2AA2I	0001	FISHER	FIH353		S23_UABSHN2			
<input type="checkbox"/>	?0100000000000000721	FLDEMO12	REFX	L	0001	175	0001	YVINC	FSH42		S23_UABSHN2			
<input type="checkbox"/>	MDCCONSOLID6	MDCCONSOLID6	REFX	L	0001	Field		New		Old			X	
<input type="checkbox"/>	MDCCONSOLID7	MDCCONSOLID7	REFX	L	0001	Inventory no.		UTP7532		<empty>				
<input type="checkbox"/>	MDCCONSOLID9	MDCCONSOLID9	REFX	L	0001	3996 S	0001	FISHER	FSH26		S23_UABSHN2	1 Changes		
<input type="checkbox"/>	MDCCONSOLID5	MDCCONSOLID5	REFX	L	0001	1-999-1	0001	Schnider	MOD34		S23_UABSHN2	1 Changes		
<input type="checkbox"/>	MDCCONSOLID8	MDCCONSOLID8	REFX	L	0001									

- Click on “Continue” button to run the next step i.e. validation.



The following screen shows the configuration used for Activation step.



Check Point:  OFF

Process Using: Activation for FL

Configuration: SAP : FLOC Activation

Adjust

New Records

Activation Target for New Records: Activation with Change Request

Target for New Incorrect Records: Activation with Change Request

Change Request Type: FUNCLOOB

Max. No. of Records: 10

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

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

Change Request Type: FUNCLOOB

Max. No. of Records: 10

Match Groups

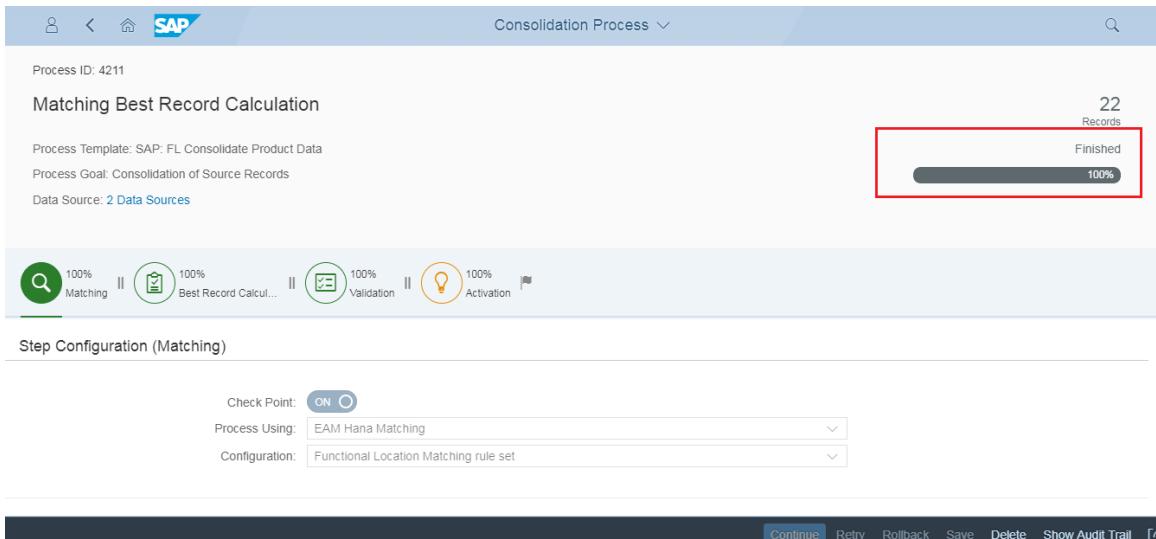
Activation Target for Match Groups: Activation of Best Record with Change...

Target for Match Groups with Errors: Activation of Best Record with Change...

Change Request Type: FUNCLOOB

Max. No. of Records: 10

The following screen shows that the activation is completed.



Process ID: 4211

Matching Best Record Calculation

Process Template: SAP: FL Consolidate Product Data

Process Goal: Consolidation of Source Records

Data Source: 2 Data Sources

Step Configuration (Matching)

Check Point: ON

Process Using: EAM Hana Matching

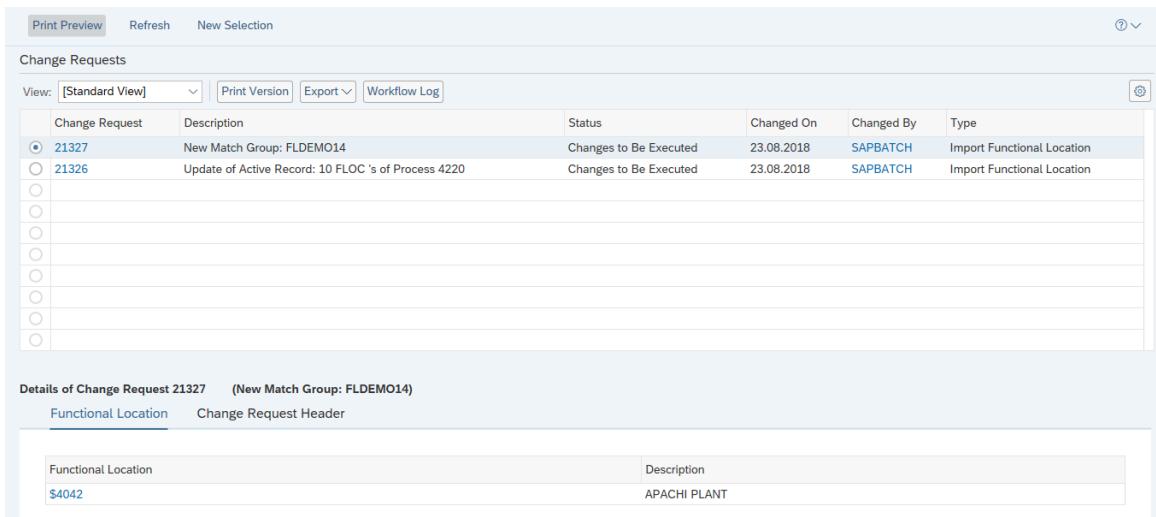
Configuration: Functional Location Matching rule set

Buttons: Continue, Retry, Rollback, Save, Delete, Show Audit Trail, Help

### Note

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

16. Launch t-code NWBC. Use the role “/UGI/\_MDGEAM\_MENU” to navigate to the Change Requests created.  
The CR of type EQMAST0B is created with user name as SAP\_WFRT (background used).
17. To search for the Change Request created, Open NWBC then click on Reporting->My Change Requests. You can filter the Change Requests for choosing the “Changed by” as “SAPBATCH” and “Created On” as the date on which the process is launched.  
The following screen shows the Change Requests created for creation and updation of records.



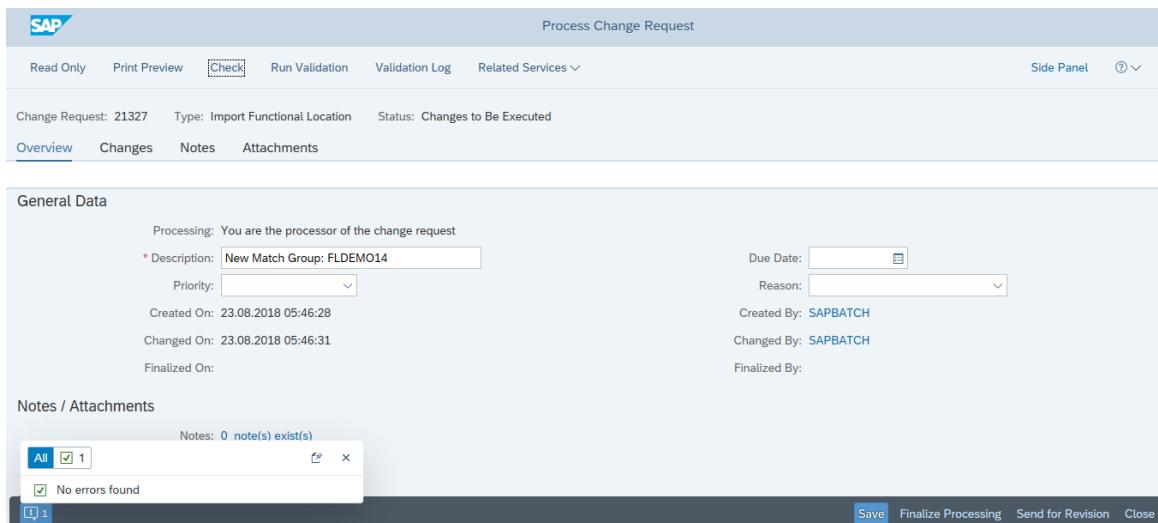
Change Request	Description	Status	Changed On	Changed By	Type
21327	New Match Group: FLDEMO14	Changes to Be Executed	23.08.2018	SAPBATCH	Import Functional Location
21326	Update of Active Record: 10 FLOC's of Process 4220	Changes to Be Executed	23.08.2018	SAPBATCH	Import Functional Location

Details of Change Request 21327 (New Match Group: FLDEMO14)

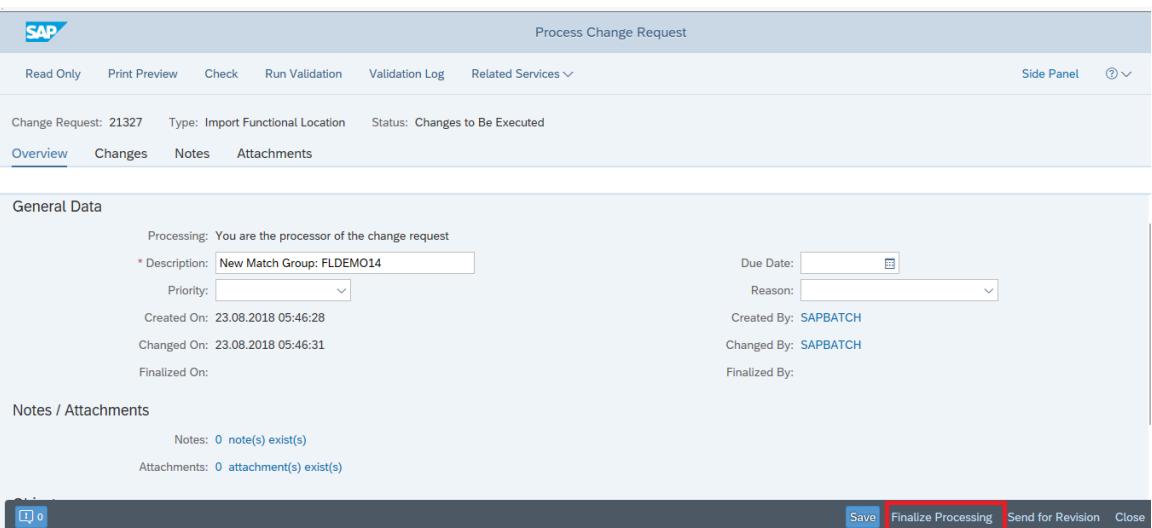
Functional Location      Change Request Header

Functional Location \$4042	Description APACHI PLANT
-------------------------------	-----------------------------

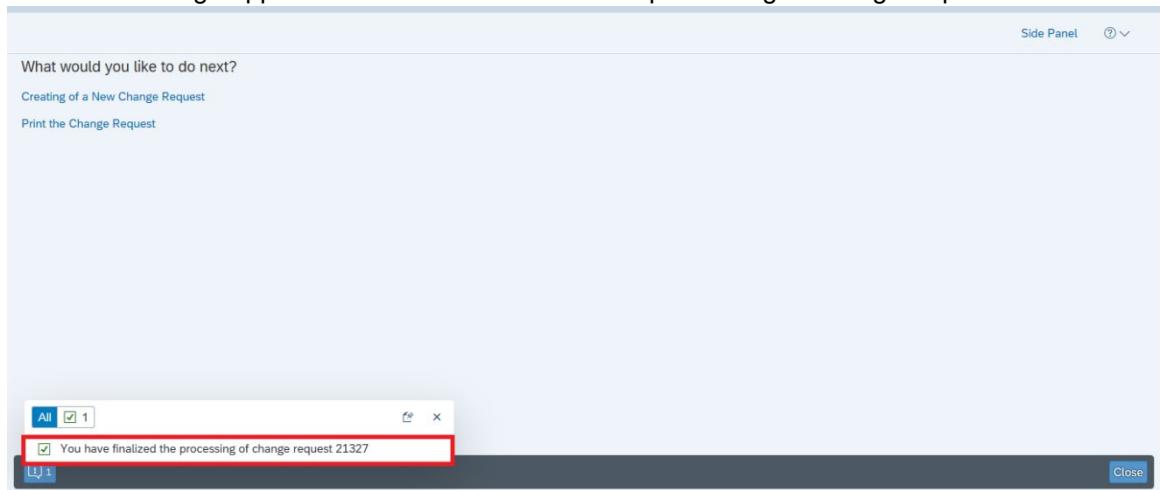
18. Click on Change Request 21327(Creation process).
19. Open the Change Request created, click on “Check” button to perform validation.
20. In case no errors found, the success message “No errors found” appears on the screen.



**21. Click on “Finalize Processing”.**



Success message appears as “You have finalized the processing of change request XX”.



**22. Click on the “Approve” button.**

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

Change Request: 21327 Type: Import Functional Location Status: Final Check to Be Performed

[Overview](#) [Changes](#) [Notes](#) [Attachments](#)

**General Data**

Processing: You are the processor of the change request

\* Description:

Priority:

Created On: 23.08.2018 05:46:28

Changed On: 29.08.2018 22:05:02

Finalized On:

Due Date:

Reason:

Created By: SAPBATCH

Changed By: NARASIMHA TANGUTURI

Finalized By:

**Notes / Attachments**

Notes: 0 note(s) exist(s)

Attachments: 0 attachment(s) exist(s)

[Save](#) [Approve](#) [Reject](#) [Close](#)

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

SAP Approve Change Request Side Panel ⓘ

What would you like to do next?

[Creating of a New Change Request](#)

[Print the Change Request](#)

All  1

You have approved change request 21327

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

View: [Standard View] Print Version Export Workflow Log

Change Request	Description	Status	Changed On	Changed By	Type
21327	New Match Group: FLDEMO14	Final Check Approved	29.08.2018	[REDACTED]	Import Functional Location
...					
...					
...					
...					
...					
...					
...					
...					
...					

Details of Change Request 21327 (New Match Group: FLDEMO14)

[Functional Location](#) [Change Request Header](#)

Functional Location	Description
FLDEMO14	APACHI PLANT

The following screen shows the new record created after the Change Request approval.

**Display Functional Location: Master Data**

			Classification	Measuring points/counters	Data origin...
--	--	--	----------------	---------------------------	----------------

Functional loc.	FLDEM014	Cat.		Technical system - Lin...	
Description	APACHI PLANT				
Status	CRTE	0001 DUM1			

General   Location   Organization   Structure   Additional data 1   Addi...  

**General data**

Class	<input type="text"/>
Object Type	5000      EquipType 5000
AuthorizGroup	0001      Group 0001
Weight	567,560      LB
Inventory no.	<input type="text"/>
Size/dimension	3423      MM
Start-up date	<input type="text"/>

**Reference data**

AcquistnValue	0,00	USD	Acquisition date	<input type="text"/>
---------------	------	-----	------------------	----------------------

**Linear Data**

Lin.Ref.Pattern	<input type="text"/>			
Start Point	<input type="text"/>	End Point	<input type="text"/>	
Length	<input type="text"/>	Unit of Measure	<input type="text"/>	
St.Marker	<input type="text"/>	End Marker	<input type="text"/>	
Dist.St.M.	<input type="text"/>	Dist End Marker	<input type="text"/>	UoM <input type="text"/>
<b>Offset 1</b>				
Type Offset 1	<input type="text"/>			
Offset 1	<input type="text"/>			UoM Off.1 <input type="text"/>

24. Click on the Change Request "21326" to view the updated records.
  25. 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.

SAP Process Change Request

Change Request: 21326 Type: Import Functional Location Status: Changes to Be Executed

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

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

Functional Location	Description	Changed
<input type="checkbox"/> MDCCONSOLID10	Agitator TRANSPORT + MIXER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO11	BADGER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID3	ELECTRIC MOTOR	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID4	INDUSTRIAL BREAKER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO12	MACHINERY	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID6	BATTERY SERVICE,NICAD	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID7	MACHINE, TOOLS AND EQUIPMENT	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID9	INSULATED CABLE, CURRENT TRANSFORMER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID5	TRANSFORMER,IRON CORE	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID8	SHEET EXCHANGER, 400 VAC	<input checked="" type="checkbox"/>

Refresh Save Finalize Processing Send for Revision Close

SAP Process Change Request

Change Request: 21326 Type: Import Functional Location Status: Changes to Be Executed

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

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

Functional Location	Description	Changed
<input type="checkbox"/> MDCCONSOLID10	Agitator TRANSPORT + MIXER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO11	BADGER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID3	ELECTRIC MOTOR	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID4	INDUSTRIAL BREAKER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO12	MACHINERY	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID6	BATTERY SERVICE,NICAD	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID7	MACHINE, TOOLS AND EQUIPMENT	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID9	INSULATED CABLE, CURRENT TRANSFORMER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID5	TRANSFORMER,IRON CORE	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID8	SHEET EXCHANGER, 400 VAC	<input checked="" type="checkbox"/>

All  1

No errors found

Refresh Save Finalize Processing Send for Revision Close

## 26. Click on “Finalize Processing”.

SAP Process Change Request

Change Request: 21326 Type: Import Functional Location Status: Changes to Be Executed

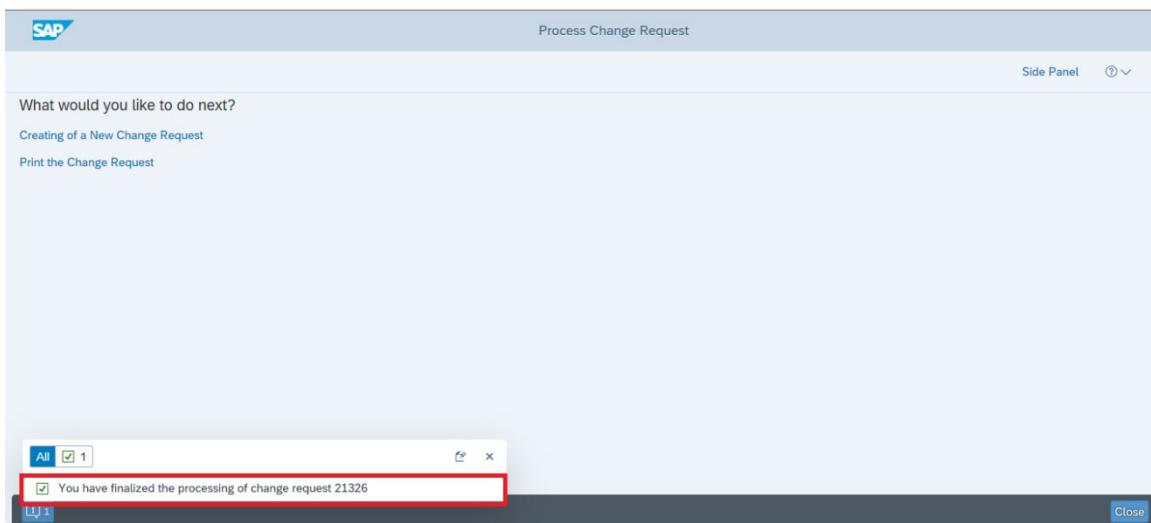
**Overview** **Changes** Notes Attachments

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

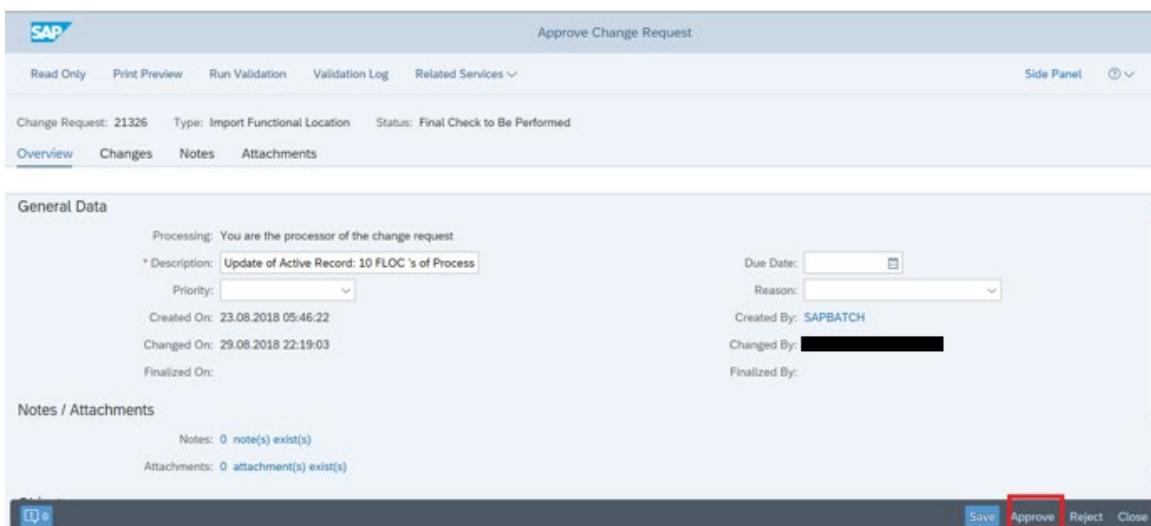
Functional Location	Description	Changed
<input type="checkbox"/> MDCCONSOLID10	Agitator TRANSPORT + MIXER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO11	BADGER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID3	ELECTRIC MOTOR	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID4	INDUSTRIAL BREAKER	<input checked="" type="checkbox"/>
<input type="checkbox"/> FLDEMO12	MACHINERY	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID6	BATTERY SERVICE,NICAD	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID7	MACHINE, TOOLS AND EQUIPMENT	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID9	INSULATED CABLE, CURRENT TRANSFORMER	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID5	TRANSFORMER,IRON CORE	<input checked="" type="checkbox"/>
<input type="checkbox"/> MDCCONSOLID8	SHEET EXCHANGER, 400 VAC	<input checked="" type="checkbox"/>

Save **Finalize Processing** Send for Revision Close Refresh

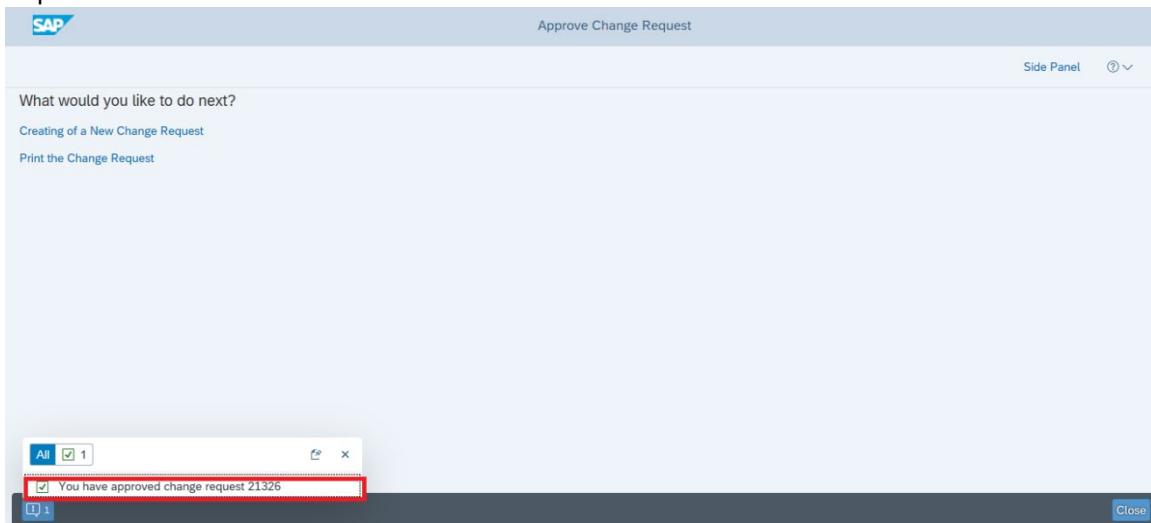
Success message appears as “You have finalized the processing of change request XX”.



27. Click on the “Approve” button.



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



## 28. Verify the status of the Change Request as "Final Check Approved".

Screenshot of the SAP Fiori interface showing the Change Requests list. A specific change request (ID 21326) is selected, and its status is highlighted with a red box, showing "Final Check Approved".

Details of Change Request 21326 (Update of Active Record: 10 FLOC's of Process 4220)

Functional Location	Description
MDCCONSOLID10	Agitator TRANSPORT + MIXER
FLDEMO11	BADGER

The following screen displays the updated values.

Screenshot of the SAP Fiori interface showing the Display Functional Location: Master Data screen. The "Inventory no." field is highlighted with a red box, containing the value "UTP7532".

General data

Object Type	3000	Fleet Object- 3000
AuthorizGroup	0001	Group 0001
Weight	567.556	LB
Inventory no.	UTP7532	

Reference data

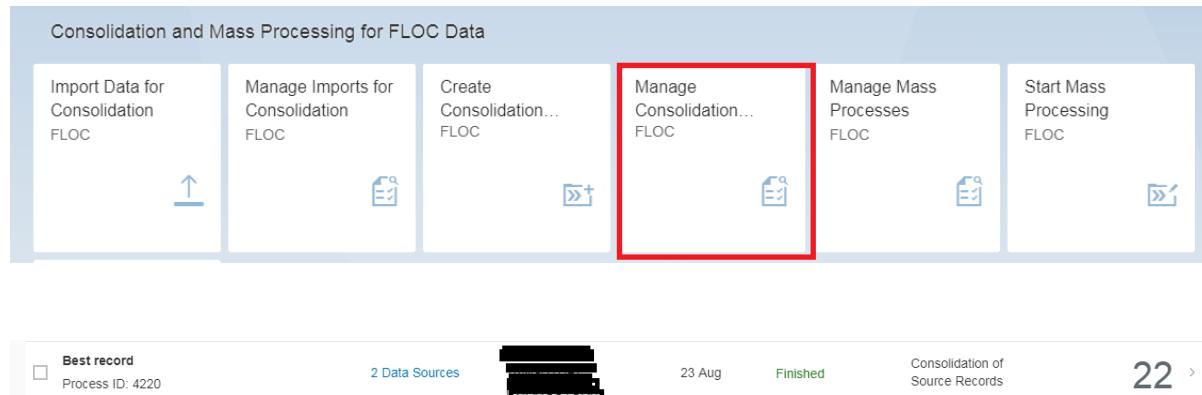
AcqistnValue	123.445,00	USD	Acquisition date
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Linear Data

Lin.Ref.Pattern	LRP_KM		
Start Point	14.567.000	End Point	28.768.000
Length	14201000	Unit of Measure	M
St.Marker		End Marker	
Dist.St.M.		Dist End Marker	
Offset 1			
Type Offset 1	LO Longitudinal Offset		

## Manage Mass Processes

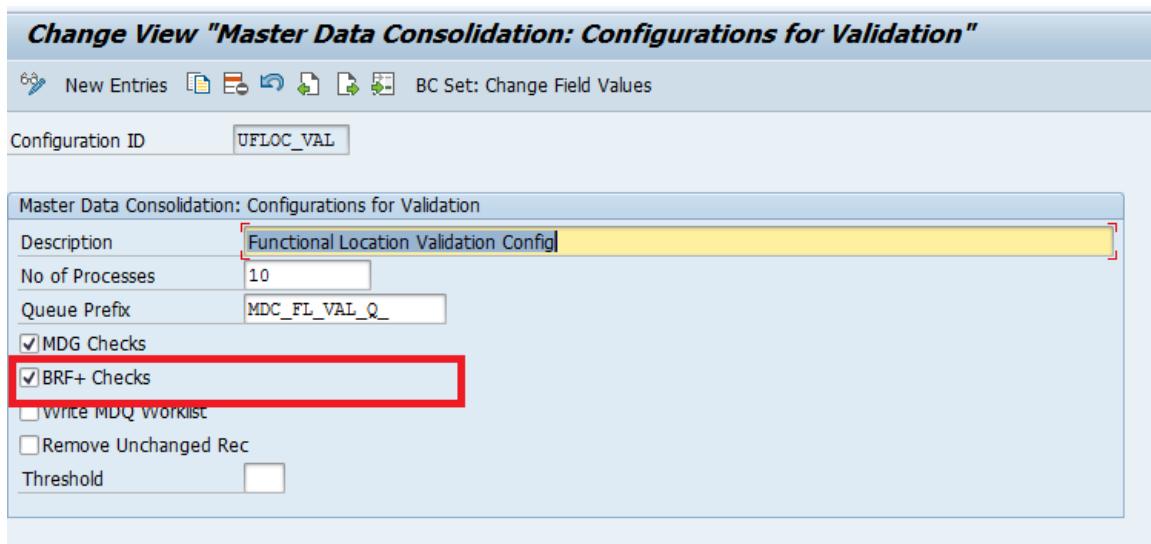
You can view the process IDs launched by using the t-code “/UI2/FLP” to launch the Fiori application “Manage Consolidation”.



## Appendix A

You can use the following steps to configure the BRF+ checks integrated to Validation step in MDC.

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



The screenshot shows the SAP configuration screen for "Master Data Consolidation: Configurations for Validation". The configuration ID is set to "UFLOC\_VAL". The "Description" field contains "Functional Location Validation Config". The "No of Processes" is set to "10". The "Queue Prefix" is "MDC\_FL\_VAL\_Q\_". The "MDG Checks" and "BRF+ Checks" checkboxes are checked. The "BRF+ Checks" checkbox is highlighted with a red box. There are also options for "Write MDQ Worklist" and "Remove Unchanged Rec".

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 “185”.
5. Click on the “Resultant Artifacts”.

Change View "Business Object Type": Overview				
     				
Business Object Type				
BO Type	BO Type Description	Namespace	Resultant Artifacts	Reset Cache
1405	Business Partner Relationship			
147	Business Partner			
183	Individual Material	/UGI/		
185	Callout Point	/UGI/		
194	Material			
237	Bill of Material	/UGI/		
MDC_147	Business Partner for Consolidation			
2183	Individual Material			

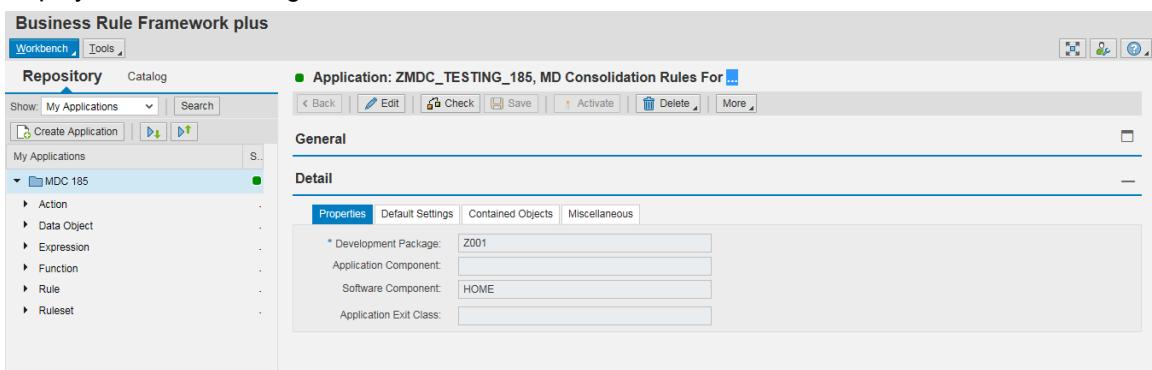
6. Provide the package in customer namespace.
7. Click on “Apply BRF+ Artifacts”. This will generate the BRFplus application with all the required objects used to further define the business rules for data enrichment.

Model Maintenance									
		 Apply Missing	 Apply Selected	 Apply BRF+ Artifacts					
Package		Z001							
Table Keeps									
Table	Type	Template	Name	Available	Custom				
IFLOT	STRUCTURE	MDC_TMPL_KEY	/UGI/MDC_IFLOT_KEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	STRUCTURE	MDC_TMPL_ATTRIBUTES	/UGI/MDC_IFLOT_ATTRIBUTES	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	TABLE	MDC_TMPL_SRCKROOT	/UGI/IFLOT_SRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	TABLE	MDC_TMPL_SRCSTAT	/UGI/IFLOT_SRC_S	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	TABLETYPE	MDC_TMPL_SRC_TT	/UGI/MDC_TT_IFLOT_SRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	TABLE	MDC_TMPL_PRCROOT	/UGI/IFLOT_PRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
IFLOT	TABLETYPE	MDC_TMPL_PRC_TT	/UGI/MDC_TT_IFLOT_PRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
BGMKOBJ	STRUCTURE	MDC_TMPL_KEY	/UGI/MDC_BGMKOBJ_KEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
BGMKOBJ	STRUCTURE	MDC_TMPL_ATTRIBUTES	/UGI/MDC_BGMKOBJ_ATTRIBUTES	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

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

Ty...	Name of the column	Message Text
[Green]		Created BRF+ application ZMDC_TESTING_185
[Green]		Object ZMDC_TESTING_185 successfully activated
[Green]		Object ZMDC_TESTING_185 successfully activated
[Green]		Object MDC_INITIALIZE_NUMBER successfully activated
[Green]		Object MDC_LOG_EXT_ID successfully activated
[Green]		Object MDC_VALIDATION_STATUS successfully activated
[Green]		Object MDC_TABLE_OF_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_VAL_FOR_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_STD_FOR_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_BRC_FOR_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_UPD_FOR_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_LOOP_AT_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_BEST_OF_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_GET_BEST_UGI_FADRC_PRC successfully activated
[Green]		Object MDC_TABLE_OF_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_VAL_FOR_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_STD_FOR_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_BRC_FOR_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_UPD_FOR_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_LOOP_AT_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_BEST_OF_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_GET_BEST_UGI_BGMKOBJ_PRC successfully activated
[Green]		Object MDC_TABLE_OF_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_VAL_FOR_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_STD_FOR_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_BRC_FOR_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_UPD_FOR_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_LOOP_AT_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_BEST_OF_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_GET_BEST_UGI_IFLOS_PRC successfully activated
[Green]		Object MDC_TABLE_OF_UGI_IFLOT_PRC successfully activated
[Green]		Object MDC_VAL_FOR_UGI_IFLOT_PRC successfully activated
[Green]		Object MDC_STD_FOR_UGI_IFLOT_PRC successfully activated
[Green]		Object MDC_BRC_FOR_UGI_IFLOT_PRC successfully activated

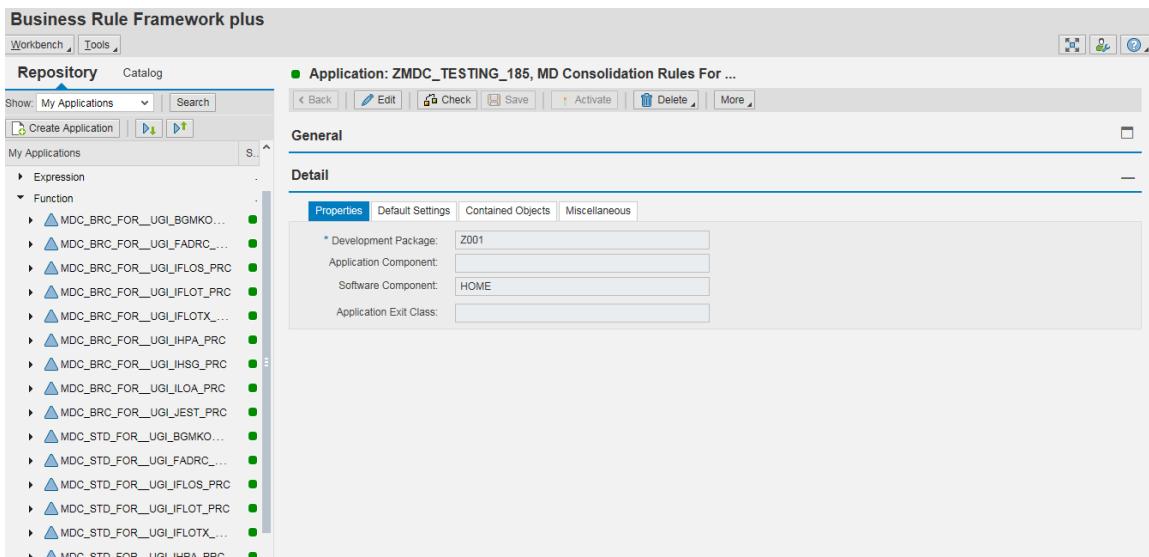
8. Launch t-code BRFplus. Ensure that the application named “MDC\_185” is generated as displayed in the following screen.



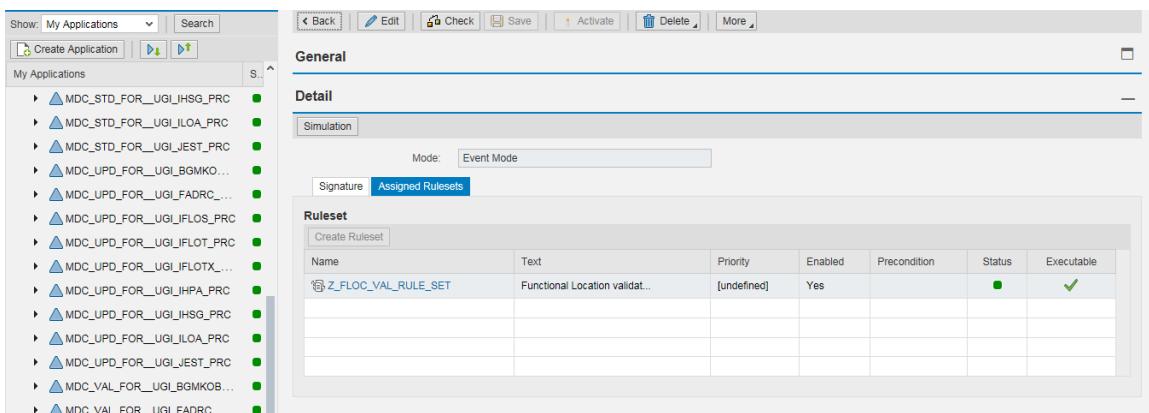
The screenshot shows the BRFplus interface with the following details:

- Toolbar:** Workbench, Tools
- Repository:** Catalog
- Left Panel (My Applications):**
  - My Applications
  - MDC 185
  - Action
  - Data Object
  - Expression
  - Function
  - Rule
  - Ruleset
- Central Panel (Application: ZMDC\_TESTING\_185, MD Consolidation Rules For):**
  - Buttons: Back, Edit, Check, Save, Activate, Delete, More
  - General Tab: Application: ZMDC\_TESTING\_185, MD Consolidation Rules For
  - Detail Tab: Properties, Default Settings, Contained Objects, Miscellaneous
  - Properties Sub-tab (selected):
    - \* Development Package: Z001
    - Application Component:
    - Software Component: HOME
    - Application Exit Class:

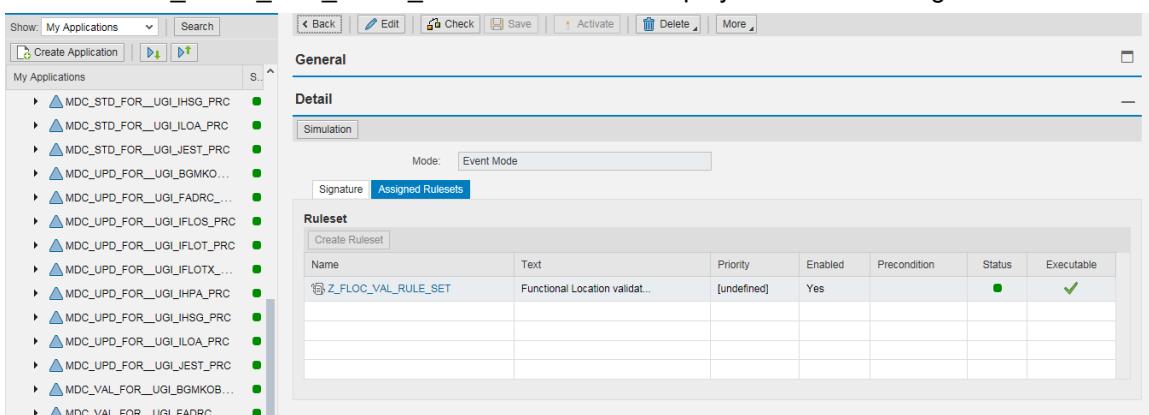
9. Verify that the following functions are created corresponding to each of the Process tables.



10. Choose a function corresponding to the table for which the rule is to be defined say “MDC\_VAL\_FOR\_UGI\_IFLOT\_PRC”.
11. Navigate to “Assigned Rulesets” tab. Click on “Create Ruleset” button.
12. Provide the name of the ruleset and description. Save in the transport request.



The ruleset “Z\_FLOC\_VAL\_RULE\_SET” is created as displayed in the following screen.



13. Save and Activate the ruleset.
14. Click on “Insert Rule” and define the rule.

The following screen shows a simple rule on the inventory field to display an error message "Please maintain Inventory" when the field is not provided.



General

Detail

Show Ruleset Header | Context Overview

Rules

Insert Rule | Insert Exit Condition

Disable Rule (1) Rule: Inventory Validation - Unlimited Validity

If

Process ....Inventory no. is initial

Then

(1) Perform Inventory Error Mess

(2) Change value of Status to E (Validation executed with errors)

Options  