

How to Guide for MDG EAM & AIW MBOM and SAP MDG-M Integration Solutions by Prometheus Group

Applies to

EAM Solutions by Prometheus Group

Summary

This document provides information on integration of MDG EAM & AIW Material BOM and SAP MDG-M integration

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Created On:05-08-2021

Version: 1.0



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Introduction

This document provides information on integration of MDG EAM & AIW Material BOM and SAP MDG-M integration

Pre-requisites

Customers should ensure that they have Utopia MDG EAM / Utopia Asset Information Workbench (AIW) for Master data Governance process is installed and configured.

Also Ensure that the installation of SAP Master Data Governance for Material (MDG-M) is completed.

Replication Pre-requisites:

Make sure MDG-Material replication configuration is enabled for successful execution of EAM MBOM<->MDG-M integration process.

If the MDG-M object replication is configured with key mapping, then EAM MBOM will only get replicated after successful key mapping for MDG-M between two systems.

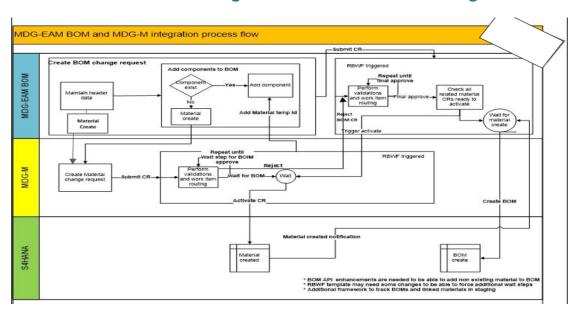
In case of any errors, reprocessing of iDOCs can be done via standard SAP programs/T-codes.

- Utopia MBOM & MDG-M integration supports from below versions and onwards.
 - o Utopia MDG 1909 SP01 Link
- Standard Configuration of SAP MDG-M should be in place. Link

Configuration steps to enable integration between SAP MDGand Utopia EAM & AIW MBOM

To enable integration between SAP MDG-M and Utopia EAM & AIW MBOM, refer section
4.28 of UGI_EAM_AIW_ConfigurationGuide_S/4H. <u>Link</u>

MBOM <> MDG-M Integration Process Flow Diagram





Supported Features in MBOM CR

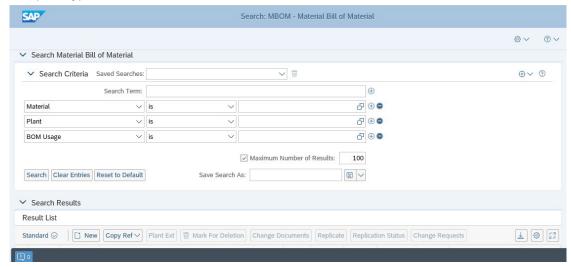
- MBOM <> MDG-M integration enables the below functionalities
 - Create new material CR from MBOM CR
 - Add existing staging materials in MBOM CR
- Create Material CR functionality enabled at Header and Item level
- Add existing staging material CR functionality enabled at Item level only
- Applicable for below process:
 - o SOP (Single Object Processing) Create and Change Material BOM
 - o AIW Create and Change Material BOM
- Support Sub-Item functionality for staging components
- Support derivations of Purchasing data and Alternative units from MDG-M UI

Workflow Process:

- Material Change request can be Finalized only when the material BOM Change request is approved.
- BOM Change Request can be activated only after all the dependent Material Change Request(s) are Finalized.
- All dependent Material Change Request(s) will get activated first and then BOM Change Request will get activated.

Create Staging Header Material

1. Click on New button to Create a Material BOM Change request and Select the Change request type 'Create Material BOM with Material Create'.

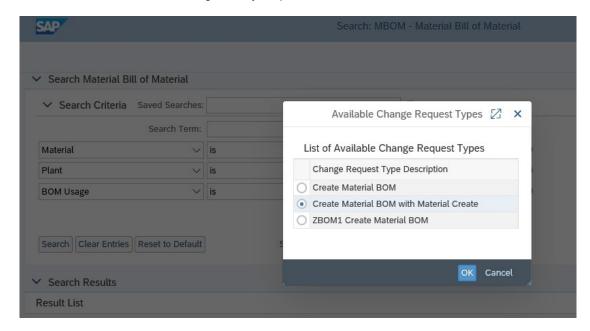


Select the MBOM Change Request type configured for MBOM<> MDG-M Integration process.

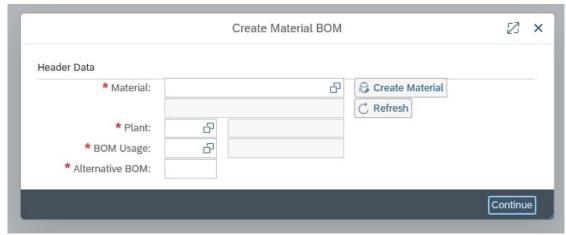
(Configured in Mapping Table /UGI/MATBOM CRTY)

Maintenance View: /UGI/V_MBOM_CRTY

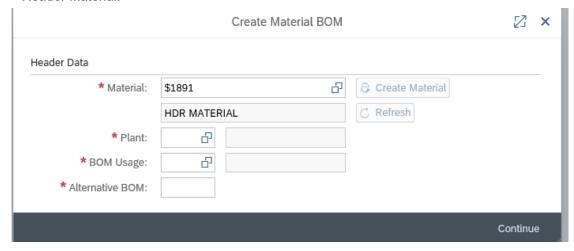




3. Click on Create Material button to create a new material change request.

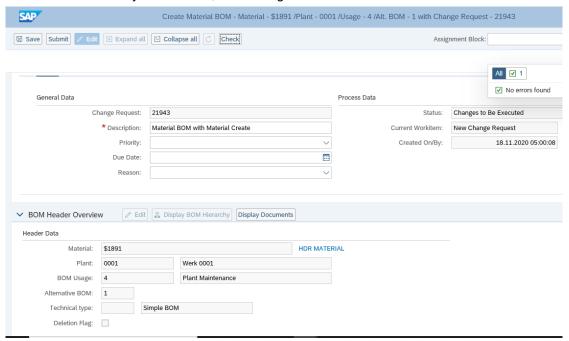


- 4. Fill all the mandatory fields in the material change request and submit the CR.
- 5. Now Click on Refresh button to fetch the staging material number/description into MBOM Header Material.



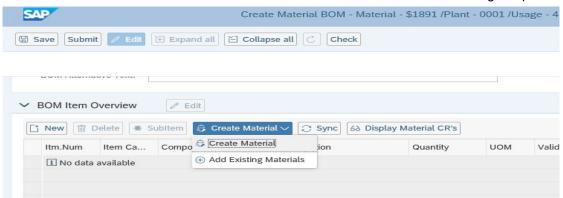


6. Fill all the mandatory fields: Plant, BOM Usage. Click on Continue.

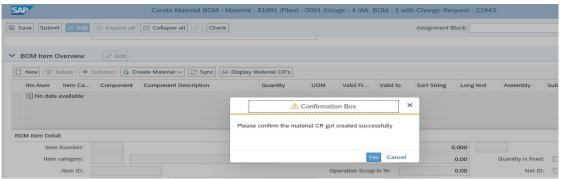


Create Staging Item Material

1. Click on Create Material button at BOM Item level to create a new material Change request

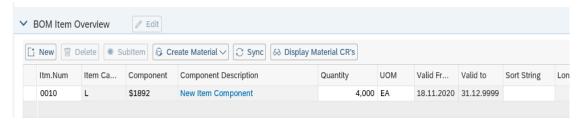


- 2. Fill all the mandatory fields in the material change request and submit the CR.
- Click Yes on the confirmation box to fetch the staging material number/description into MBOM Item Components.





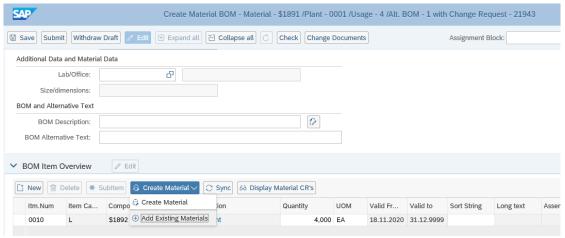
4. Fill the mandatory fieds in BOM Item: BOM Item Category, Quantity



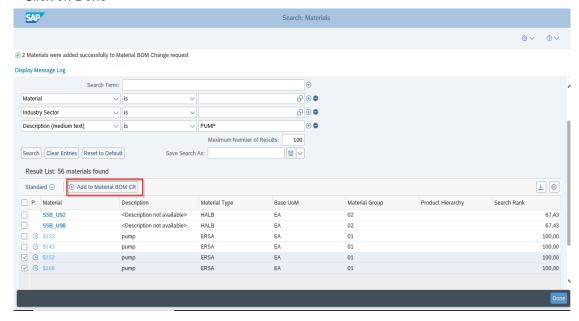
5. We can add the active materials (Components) using NEW button in BOM Item Overview.

Add Existing Materials in MBOM Item

1. Click on Add existing material button to add the already existing staging /active materials in the system

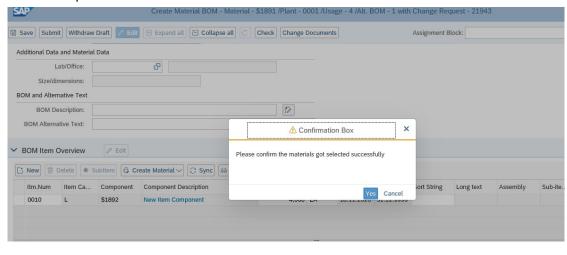


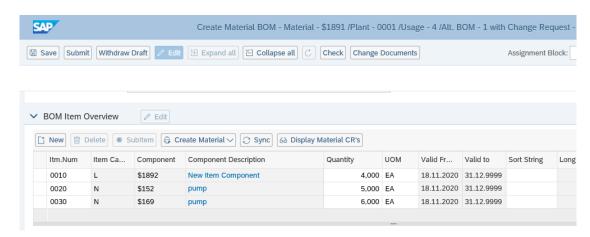
- 2. Select the materials and click on Add to Material BOM CR button
- 3. Click on Done



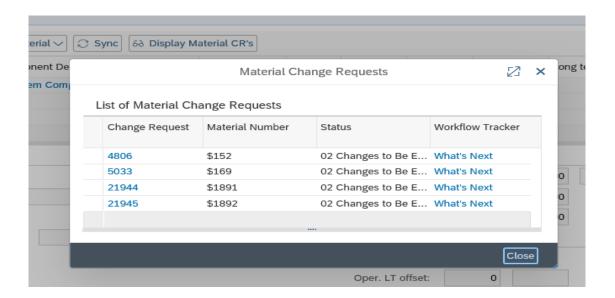


4. Click Yes on the confirmation box to add the staging material number/description into MBOM Item Components





5. Click on Display Material CR's button to see the Material Cr's and their corresponding workflow tracker. Submit the MBOM change request.

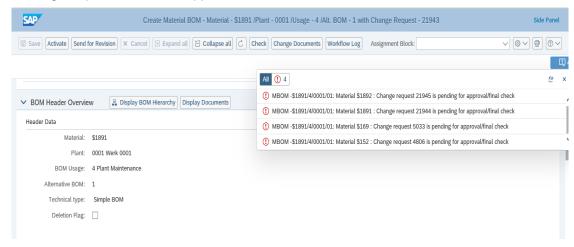




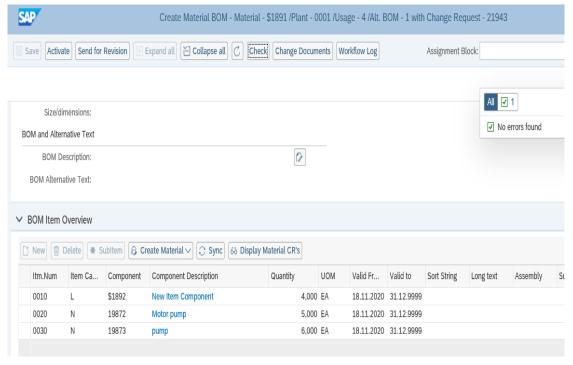
- 6. Note: If the staging material does not exist in the MBOM Header Plant, then you can maintain the plant in material CR.
- 7. Click on Sync button to refresh the staging material data in MBOM change request.

Approval Process

- 1. Approve the Material BOM change request.
- 2. Before activating the Material BOM change request, all the dependant staging material change requests should be approved/finalized.

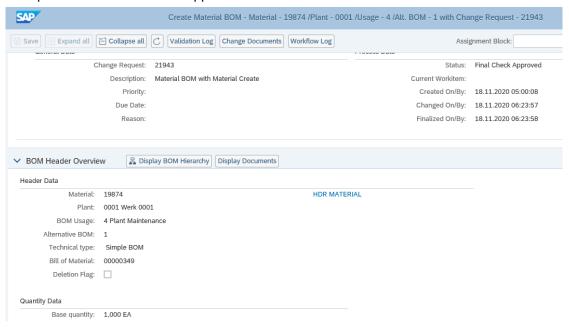


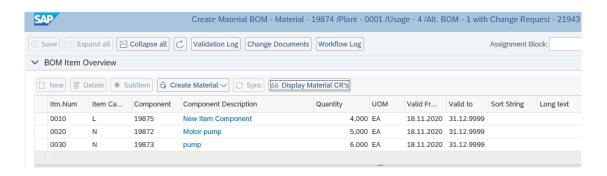
- 3. Now Approve/Finalize all the Staging Material Change requests
 - Note: If the material change request type is of type MAT01, then you can activate the material change request.
- 4. The Active material number gets reflected into the Material BOM CR automatically. If not, you can use Sync button to replace the staging component with active material number.
- 5. Now Activate the Material BOM Change request

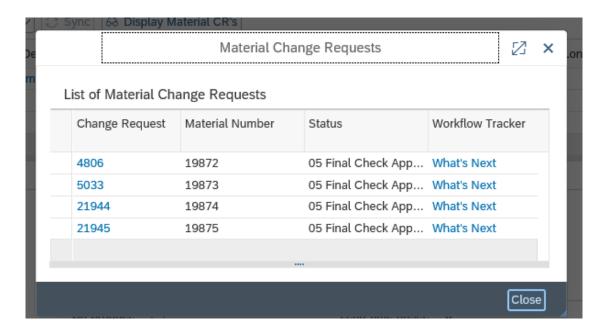




6. All the Material Change requests are Final Check Approved, and the Material BOM Change Request is also Final Check Approved as shown below.



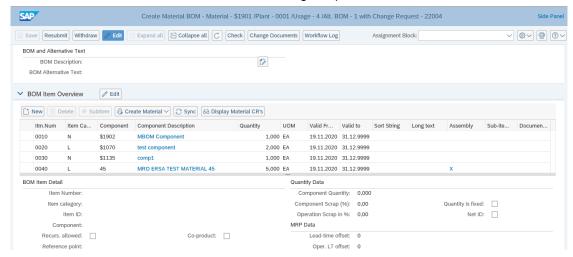




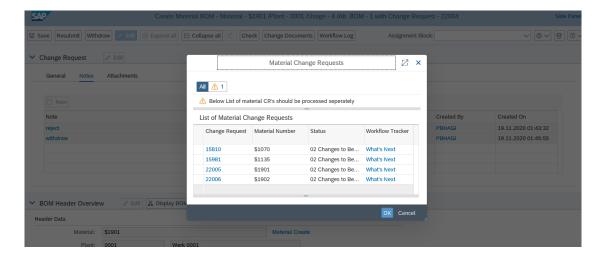


Rejection Scenario

Click on withdraw button in Material BOM Change request and enter the Note



- 2. A popup is displayed with all the staging material change requests and a message that they should be processed separately.
- 3. If we Click on OK, Material BOM Change request will be rejected (Final Check Rejected)
- 4. If we Click on Cancel, Material BOM Change request will not be rejected.



Restrictions

- Doesn't support "Adding Existing Staging Materials as MBOM Header Material" during MDG-M <> MBOM Integration process.
- Doesn't support "Create Material Option at Header Level" during Copy Create MBOM process and "Multiple Object Processing (MOP) Change request" for MBOM.