How To...

Master Data Governance for Material: Rule Based Workflow with Partial Activation

Applicable Releases:

MDG 6.1

Version 1.0
February 2013
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## Document History

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<td>1.00</td>
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### Typographic Conventions

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### Icons

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1. Business Scenario

SAP Master Data Governance for Material (MDG-M) provides business processes to find, create, change, and mark material master data for deletion. It supports the governance of material master data in a central hub and the distribution to connected operational and business intelligence systems. The processes are workflow-driven and can include several approval and revision phases, and the collaboration of all users participating in the master data maintenance.

MDG-M uses the rule-based workflow. When using the rule-based workflow, the process pattern '06 Activation (Bypass Snapshot)' means that the material is activated, even if the material record was changed in the backend system since the change request was created. Any backend changes are lost upon activation. You can adjust this behavior with SAP Note 1797009. The Note describes how you can change the behavior in such a way that the system only overwrites changes to entities present in the change request rather than all entities.

2. Background Information

3. Prerequisites

Relevant SAP Note: 1797009
4. Step-by-Step Procedure

4.1 Create new class

Create a new class with the source code mentioned in SAP Note 1797009. Save and activate the class.

4.2 Create new Workflow Standard Task

Create a new standard workflow task. Use the method UPDATE_SNAPSHOT of the class ZCL_MDG_BS_SNAPSHOT that you just created. Select Synchronous Object Method and Background Processing.

In addition, maintain the binding between the method parameter IV_CHANGE_REQUEST and a new task parameter of the same name.
Save the task.
Then set the flag ‘Synchronous object method’ and save again.

### 4.3 Create new Rule based Workflow Template

Copy the workflow template that you are using in the process and for which you want to change the behavior. Use the copy in the relevant change requests.

In the copy, add the new workflow task that you created directly before the activation step that is used for “Activation (bypass snapshot)” or “Activate Change Request After Error”.

Maintain the binding between the new parameter IV_CHANGE_REQUEST of the workflow task and the existing parameter CHANGE_REQUEST.CREQUEST from the workflow container.

Save and activate the workflow template.
Create Activity:
4.3.1 Create new Change Request Type
Create new Change request type and assign your new workflow template.

4.3.2 Maintain the BRF+ Decision Tables
Maintain the BRF+ Decision Tables and continue to use the process pattern 06 for activation.
4.4 Result

If you now use your new Change Request Type the system only overwrites changed backend data for a changed entity.

Changed backend data is not overwritten if the related entity was not changed. But you still get a message for the snapshot difference. For example: Plant Data MRP Production Planning (View Material): Attribute MRP changed from ZIB1 to ZIB1/0001 in reuse active area USMD1A 204.