How To...
Master Data Governance for Material: BADI
USMD_SSW_RULE_CONTEXT_PREPARE

Applicable Releases:
EhP5, EhP6, MDG6.1

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**Document History**

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<tr>
<th>Document Version</th>
<th>Description</th>
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<tr>
<td>1.00</td>
<td>First official release of this guide</td>
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<tr>
<td>1.10</td>
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<td>1.20</td>
<td>Note 1837696</td>
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## Typographic Conventions

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<tr>
<td>Example Text</td>
<td>Emphasized words or phrases in body text, graphic titles, and table titles</td>
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<td>Example text</td>
<td>File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.</td>
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<td>&lt;Example text&gt;</td>
<td>Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.</td>
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<td>EXAMPLE TEXT</td>
<td>Keys on the keyboard, for example, F2 or ENTER.</td>
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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.

This scenario addresses the customer requirement to have a more process options dependent on additional fields from the data model MM. This example shows how to determine either user 01 or 02 dependent on the value from field LABOR.

This How To Guide describes the solution to add additional fields from the data model MM to the user agent decision table in BRF+.
2. Background Information

A BAdI is used to get additional parameters to the BRF+ user agent decision table.

You can use this BAdI to implement preparation of the Business Rule Framework plus (BRF+) rule context in the rule-based workflow. This BAdI uses the method PREPARE_RULE_CONTEXT to get specific BRF+ rule context values from the workflow generic-context table and from change request data. The input for this BAdI is the change request number. The method uses the change request number to retrieve data from the change request. It then fills the BRF+ rule context table with specific values from the change request.

With this BAdI, it is also possible to change the workflow generic-context table and also export both the BRF+ rule context table and message table.

Requirements
You have defined the filter value Service Name in view V_USMD201C_SSW. You need to create a separate BAdI Implementation for your specific rule-context preparation method.

Standard settings
For more information about the standard settings (filters, single or multiple uses), see the Enhancement Spot Element Definitions tab in the BAdI Builder (transaction SE18). No default BAdI implementation is preactivated in the standard system. The BAdI is filter-dependent. The BAdI is not designed for multiple use.

Activities
For information about implementing BAdIs in the context of the Enhancement Concept, see the SAP Library for SAP NetWeaver under BAdIs - Embedding in the Enhancement Framework.

3. Prerequisites

Relevant SAP Notes:
1597746
1700197
1837696
4. Step-by-Step Procedure

4.1 Customizing

4.1.1 Create new CR-Type
4.1.2 Define Service (Cross Client):

Create Service: ZEM_MAT_GETCONTEXT
4.2 Enhancement Spot: USMD_SSW_SERVICE_PROCESSOR

4.2.1 Create Enhancement Implementation

Transaction se18 for Enhancement Spot
Use Enhancement Spot: USMD_SSW_SERVICE_PROCESSOR

Then Display – Select BADI DEFINITION > USMD_SSW_RULE_CONTEXT_PREPARE
Right click on Implementation, and click on Create BADI Implementation
ZMDG_BS_MAT_BRF_CONTEXT_LABOR as shown below:
4.2.2 Create Badi Implementation

Badi Implementation: ZMDG_BS_MAT_BRF_CONTEXT_LABOR
Description: ZMDG_BS_MAT_BRFCONTEXT_LABOR

Implementing Class: ZL_MDG_BS_MAT_BRFCONTEXT_LABO
Save and Activate.

4.2.3 Methods

IF_USMD_SSW_RULE_CNTX_PREPARE~PREPARE_RULE_CONTEXT and GET_ELEMENT_ID

Then double click on Implementing class and then method IF_USMD_SSW_RULE_CNTX_PREPARE~PREPARE_RULE:
For the interface method you can use the default coding from Example Enhancement Implementation MDG_BS_MAT_BRF_CONTEXT_LABOR (Add MARA-LABOR to BRF+ context), Implementing Class CL_MDG_BS_MAT_BRF_CONTEXT_LABO and methods IF_USMD_SSW_RULE_CNTX_PREPARE-PREPARE_RULE_CONTEXT, GET_ELEMENT_ID, READ_MATERIAL and READ_CREQUEST.

### 4.2.4 Create Filter

The Filter is the service name.

![Enhancement Implementation ZMDG_BS_MAT_BRF_CONTEXT_LABOR Change](image)

Save and activate.
4.3 Customizing BRF+ Tables

4.3.1 Change CR-Type related Application

Execute the transaction usmd_ssw_rule to add the field to the brf+ rule in the single value decision table (Select EM_MAT60 – as input to usmd_ssw_rule).

Go to BRF-Application/Contained Objects/Type: Data Object/Data object type: Element and click on Create Object.

Click on: Create and Navigate to Object.
Save and Activate this.

### 4.3.2 Change Function to Call Ruleset

Go to Trigger Function/Function to Call Ruleset/Signature/Edit and add field ‘LABOR’ to the Signature. Click on ‘Add Existing Data Object’ and Activate.
4.3.3 Decision Table – ‘User Agent Decision Table’

Now add the column in the Decision Table – ‘User Agent Decision Table’. Click on Edit/Table Settings.

Click on ‘insert Column’.
Select.

Save and Activate.

4.3.4 Set Service Name Value
Then go to below and add service name.
Save and Activate.

**4.3.5 Single Value Decision Table**
4.3.6 User Agent Decision Table

4.3.7 Non User Agent Decision Table
4.4  Process

4.4.1  Organization Unit – Labor 001

4.4.1.1  Step 00 - Create Material – User Menninger

Create Change Request: Create Material

Create Change Request: Material

Entity Type: Material

General Data

Material: * P-7233
Material Description: P-7233
Material type: Semifinished Product
Industry Sector: Mechanical engineering
Base Unit of Measure: ea
Net weight: 0.000
Weight unit:
4.4.1.2  Step 01 – User Menninger01

4.4.2  Organization Unit – Labor 002

4.4.2.1  Step 00 – User Menninger
4.4.2.2 Step 01 – User Menninger02

4.4.3 After Approval
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