How To...
Master Data Governance for Material: BADI
USMD_SSW_SYSTEM_METHOD_CALLER
to create successor change request

Applicable Releases:
EhP5, EhP6, MDG6.1

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March 2013
### Document History

<table>
<thead>
<tr>
<th>Document Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>First official release of this guide</td>
</tr>
<tr>
<td>1.10</td>
<td>Additional SAP Notes</td>
</tr>
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</table>
## Typographic Conventions

<table>
<thead>
<tr>
<th>Type Style</th>
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<tbody>
<tr>
<td><strong>Example Text</strong></td>
<td>Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation</td>
</tr>
<tr>
<td><strong>Example text</strong></td>
<td>Emphasized words or phrases in body text, graphic titles, and table titles</td>
</tr>
<tr>
<td><strong>Example text</strong></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>
</tr>
<tr>
<td><strong>Example text</strong></td>
<td>User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.</td>
</tr>
<tr>
<td><code>&lt;Example text&gt;</code></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>
</tr>
<tr>
<td><strong>EXAMPLE TEXT</strong></td>
<td>Keys on the keyboard, for example, F2 or ENTER.</td>
</tr>
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### Icons

<table>
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<tr>
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<tr>
<td><img src="image" alt="Caution Icon" /></td>
<td>Caution</td>
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<tr>
<td><img src="image" alt="Note or Important Icon" /></td>
<td>Note or Important</td>
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<tr>
<td><img src="image" alt="Example Icon" /></td>
<td>Example</td>
</tr>
<tr>
<td><img src="image" alt="Recommendation or Tip Icon" /></td>
<td>Recommendation or Tip</td>
</tr>
</tbody>
</table>
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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 for activation and distribution before the complete maintain process for material create is completed.

This How To Guide describes the solution to create automatically a new change request after the activation of the material create change request.

## 2. Background Information

The Business Add-In (BAAdl) ‘Calling of System Method for Rule-Based Workflow’ is used to create the new change request automatically.

This Business Add-In (BAAdl) is used in the Master Data Governance (CA-MDG) component. You can use this BAAdl to implement the calling of a system method in the rule-based workflow.

The BAAdl uses the method CALL_SYSTEM_METHOD. The input for this BAAdl is the change request number and the service name. The method uses the change request number to retrieve data from the change request.

By using the service name, it is possible to reuse the same BAAdl implementation for multiple service names. For example when two service names are used in the configuration of the same change request workflow, and the user wants to create only one BAAdl implementation, having the service name as the input parameter enables you to separate the processing logic based on the service name input.

### Requirements

You have defined the filter value Service Name in view V_USMD201C_SSW.

### Standard settings

For more information about the standard settings (filters, single or multiple uses), see the Enh. Spot Element Definitions tab in the BAAdl Builder (transaction SE18).

No default BAAdl implementation is pre-activated in the standard system. The BAAdl is filter-dependent. You need to create a separate implementation for your specific calling of a system method. The BAAdl is not designed for multiple use.

### Activities

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

## 3. Prerequisites

Relevant SAP Notes:

- 1597746
- 1700197
- 1837696
4. **Step-by-Step Procedure**

4.1 **Create new Change request type**

![Display IMG]

![Change View “Type of Change Request”: Overview]
4.2 Define Service Names

4.3 Status

Optional: Create new status
4.4 BRF+ tables

Use Customizing or transaction USMD_SSW_RULE - Process Definition of RBWF

4.4.1 Single Value Decision Table
4.4.2 User Decision Table
4.4.3 Non-User Decision Table
4.5 Enhancement Spot

USMD_SSW_SERVICE_PROCESSOR

Customizing

Display IMG

Or Transaction SE18 - Business Add-Ins: Definitions
4.5.1 Create Enhancement Implementation
How To... Master Data Governance for Material: BADI USMD_SSW_SYSTEM_METHOD_CALLER to create successor change request
4.5.2 Create BADI Implementation

Enhancement Implementation ZEM_CALL_SYSTEM_METHOD Display

Properties History Technical Details Edit Implementation Elements

4.5.3 Create Filter

Enhancement Implementation ZEM_CALL_SYSTEM_METHOD Display

Properties History Technical Details Edit Implementation Elements

4.5.4 Create Interface method

if_usmd_ssw_syst_method_caller~call_system_method

Enhancement Implementation ZEM_CALL_SYSTEM_METHOD Display

Properties History Technical Details Edit Implementation Elements
For the interface method you can use the default coding from Example Enhancement implementation MDG_BS_MAT_CREATE_SUCCESSOR_CR (Create successor change request for an activated change request) and implementing class CL_MDG_BS_MAT_CREATE_SUCC_CR.
### 4.6 Check Workflow log

You can check with Transaction SWI6 if the synchronous system method was successful.

#### Workflow log (View with technical details)

<table>
<thead>
<tr>
<th>Step</th>
<th>Created By</th>
<th>Workflow</th>
<th>Status</th>
<th>Task Id</th>
<th>Creation Time</th>
<th>Execution Time</th>
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<tbody>
<tr>
<td>1</td>
<td>Eloise Menninger</td>
<td>Workflow System</td>
<td>1224687</td>
<td>3D8F86618</td>
<td>07.06.2011 14:26:47</td>
<td>2m 69s</td>
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<td>2m 69s</td>
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<td>2m 69s</td>
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<td>4</td>
<td>Loop 3</td>
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<td>3D8F86618</td>
<td>07.06.2011 14:26:48</td>
<td>2m 69s</td>
</tr>
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#### Details

<table>
<thead>
<tr>
<th>Expression</th>
<th>Value</th>
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<tbody>
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<td>GetChangeRequestNumber</td>
<td>6077</td>
</tr>
<tr>
<td>ServiceName</td>
<td>ZEMP_SYSTEM_METHOD</td>
</tr>
<tr>
<td>Action</td>
<td>MESSAGE_TAG</td>
</tr>
<tr>
<td>Content</td>
<td>MESSAGE_CONTENT_TAB</td>
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