Creating a Callable Object in Group: Process Control
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<table>
<thead>
<tr>
<th>Type Style</th>
<th>Represents</th>
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<tbody>
<tr>
<td><em>Example Text</em></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>Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.</td>
</tr>
<tr>
<td><strong>Example text</strong></td>
<td>Output on the screen. This includes 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>Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.</td>
</tr>
<tr>
<td><strong>&lt;Example text&gt;</strong></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>
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## Icons

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<th>Meaning</th>
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<td>![Caution Icon]</td>
</tr>
<tr>
<td>Example</td>
<td>![Example Icon]</td>
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<tr>
<td>Note</td>
<td>![Note Icon]</td>
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<tr>
<td>Recommendation</td>
<td>![Recommendation Icon]</td>
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<td>Syntax</td>
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**Scenario**

During the execution of a Guided Procedures Process there are certain points in the process flow where some control over the execution is required. Callable Object types performing related tasks are grouped into the Process Control folder.

**Prerequisites**

**General Prerequisites**

To create a visual approval callable object it could be useful to have some predefined E-mail templates.

**Applicable Releases**

This tutorial is compatible with the following release” Beginning with SAP NetWeaver 2004s SPS06”.

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**Approaches to Building the Model**

You can choose the top-down approach to create the process, block, and action and then insert a new callable object; alternatively you can use bottom-up approach to start with the callable object without having any other model item.

**Top-Down Approach**

In this case you create all the design time objects (process, block, and action) that will make use of this callable object beforehand.
1. Click the **Create New** icon to embed a new callable object into the existing action.

**Bottom-Up Approach**

In this case you create the callable object first and insert it in the embedding design time objects later.

2. On the left section of window ‘You Can’, choose **Create Callable Object** to start the Callable Object Design Time.
The Step-By-Step Solution


Top-Down Approach

In this case you create all the design time objects (process, block, action) that will make use of this callable object beforehand.
Create Callable Object

Choose the callable object to be created from group Process Control.

Create Visual Approval Callable Object

Visual approval callable objects enable users to approve or reject certain requests.

1. On the Create Callable Object screen, define the
   Type: Visual Approval
   Name: Visual Approval CO

   Define a folder in which to save the callable object.

   Click Next.

2. Click Next on the next two screens without changing the input and output parameters.
3. Define a template to be sent to a specified recipient for approval or rejection. Choose Next.

The selectable templates must have been maintained (s. [3]).

4. The callable object is now complete. Choose Finish to save, or Finish and Open to save and open the callable object for testing.
Create Offline Approval Callable Object

Offline approval callable objects enable users to approve or reject a request and notify process contributors of their decision.

1. On the Create Callable Object screen define the
   Type: Offline Approval
   Name: Offline Approval CO

   Define a folder in which to save the callable object.

   Click Next.

2. Click Next again without changing the input parameters.

3. Accept the output parameters by choosing Next.
4. Set a template to be sent to a specified recipient for approval or rejection. The decision depends on the value specified in the input field labeled as Approval value for state mode. Choose Next.

The callable object is now complete. Choose Finish to save, or Finish and Open to save and open the callable object for testing.

Note: During testing, each input value that differs from the configuration performed for “Approval value for state mode” will result in output state “rejected”.

Create Decision Callable Object

Decision callable objects compare the input with a pre-defined comparison value.

1. The following procedure applies to callable objects of type Decision. Fill the appropriate input fields and choose Next.

2. Click Next again without changing the input parameters.
3. Set the value to match the input parameter and choose **Next**.

The callable object is now complete. Choose **Finish** to save, or **Finish and Open** to save and open the callable object for testing.

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**Create Initiate Process Callable Object**

Initiate process callable objects start a process using an existing process template. To be able to initiate a process using this callable object, process roles must be configured with default values. The process template must be active.

1. On the Create Callable Object screen define the
   - **Type:** Initiate Process
   - **Name:** Initiate Process CO

Define a folder in which to save the callable object.

Click **Next**.
2. Enter the ID of the process template you wish to initiate.

Note: The easiest way to get the process ID is to open the relevant process template and navigate to the Instantiation tab. The process template ID is displayed there.

3. The callable object is now complete. Choose Finish to save, or Finish and Open to save and open the callable object for testing.

Create Terminate Process Callable Object

This type of callable object terminates the execution of the given process.

1. On the Create Callable Object screen define the
   Type: Terminate Process
   Name: Terminate Process CO

Define a folder in which to save the callable object.

Click Next.
2. The callable object is now complete. Choose Finish to save, or Finish and Open to save and open the callable object for testing.

Note: This CO terminates the process instance it is running in. You will receive an error message when you test the CO standalone since is no running instance.