Example

Playback Groups - Create and Add

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description:	basic functionality: creating a playback group and adding some playbacks
remarks:	with great support by Gregory Haynes

PlaybackGroup, group, create, add, ienumerable

Playback Groups were introduced with Titan v13, January 2020. This functionality is not available in earlier versions.

This example is meant to show how Playback Groups are created, how playbacks are added, how the various parameters are conveyed, and which caveats need to be taken care of. Particular attention should be paid to setting IEnureables.

functions

- Handles.SetSourceHandleRange
- Handles.ClearSelection
- PlaybackGroups.CreatePlaybackGroupWithPlaybacks
- Playbacks.FilterByPlaybackHandle
- PlaybackGroups.SetCurrentPlaybackGroupFromUserNumber

affected properties

- Handles.ContextHandles
- PlaybackGroups.CurrentPlaybackGroup

Code

PlaybackGroupsBasics.xml

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros>

<!-- 1 -->
<!-- adding playbacks selected by location to a new playback group -->

  <macro id="Wiki.Macros.PlaybackGroups.Test.AddPB12tonewPBG" name="Add
Playbacks 1 and 2 to new PBG">
    <sequence>
      <step>Handles.SetSourceHandleRange("Playbacks", {0, 1})</step>
      <step>PlaybackGroups.CreatePlaybackGroupWithPlaybacks("Test",
Playbacks.FilterByPlaybackHandle(Handles.ContextHandles))</step>
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      <step>Handles.ClearSelection()</step>
    </sequence>
  </macro>

<!-- the new PBG is also current as in
PlaybackGroups.CurrentPlaybackGroup -->

<!-- 2 -->
<!-- adding playbacks selected by user numbers (string notation) to the
current playback group -->

  <macro id="Wiki.Macros.PlaybackGroups.Test.AddCue3CL1tocurrPBG"
name="Add Cue 3 CL 1 to curr PBG">
    <sequence>
<step>PlaybackGroups.AddPlaybacksToGroup(PlaybackGroups.CurrentPlayback
Group, "{cueHandleUN=3,cueListHandleUN=1}")</step>
    </sequence>
  </macro>

<!-- 3 -->
<!-- adding a playback selected by its user number to the current
playback group -->
<!-- this requires Playbacks.FilterByPlaybackHandle() to make sure it
is a playback handle -->

  <macro id="Wiki.Macros.PlaybackGroups.Test.AddPB2tocurrPBG" name="Add
PB 2 to curr PBG">
    <sequence>
<step>PlaybackGroups.AddPlaybacksToGroup(PlaybackGroups.CurrentPlayback
Group, Playbacks.FilterByPlaybackHandle(userNumber:2))</step>
    </sequence>
  </macro>

<!-- 4 -->
<!-- adding a playback selected by its user number to a specific
playback group selected by its user number -->
<!-- this requires the handle cast with a string
(handle:"playbackGroupHandleUN=1") to identify the playback group -->

  <macro id="Wiki.Macros.PlaybackGroups.Test.AddPB3toPBG1" name="Add PB
3 to PBG 1">
    <sequence>
<step>PlaybackGroups.AddPlaybacksToGroup(handle:"playbackGroupHandleUN=
1", "cueHandleUN=3")</step>
    </sequence>
  </macro>

<!-- 5 -->
<!-- adding a playback selected by its user number to a specific
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playback group selected by its user number -->
<!-- this time the playback group is selected by pointing
PlaybackGroups.CurrentPlaybackGroup to the user number -->

  <macro id="Wiki.Macros.PlaybackGroups.Test.AddCue3tocurrPBG2"
name="Add Cue 3 to curr PBG 2">
    <sequence>
<step>PlaybackGroups.SetCurrentPlaybackGroupFromUserNumber(2)</step>
<step>PlaybackGroups.AddPlaybacksToGroup(PlaybackGroups.CurrentPlayback
Group, "cueHandleUN=3")</step>
    </sequence>
  </macro>

<!-- 6 -->
<!-- adding playbacks identified by their TitanID to the current
playback group -->
<!-- No practical use as the TitanIDs are not really accessible -->

  <macro id="Wiki.Macros.PlaybackGroups.AddPBsByTitanId" name="Adding
PBs to PBG by TitanID">
    <sequence>
<step>PlaybackGroups.AddPlaybacksToGroup(PlaybackGroups.CurrentPlayback
Group, "{ 1812; 1999 }")</step>
    </sequence>
  </macro>

</avolites.macros>
```

Explanation

This explains the functional steps within the sequence. For all the other XML details please refer to Formats and syntax

tbd

How to use it

1. make this macro available

tbd

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