Example

Stopwatch/Flash Playback

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description:	flashes a playback and stopwatches the time this is activated
remarks:	idea: https://www.facebook.com/groups/1811437589141428/permalink/2606214156330430/ use this to stopwatch the time a CO2 jet is activated see also Timecode - Start/Stop

timecode, start, stop, stopwatch, flash

functions

- Playbacks.FlashPlayback
- Timecode.TimecodeOne.Play
- Playbacks.ClearFlashPlayback
- Timecode.TimecodeOne.Pause

Code

stopwatchflash.xml

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

<!-- flash playback 1 while being held and use timecode 1 as stopwatch
-->

<avolites.macros>
  <macro id="wiki.Macros.timecode.one.stopwatchflash" name="Stopwatch
Timecode 1 with PB900 flash">
    <description>Stopwatch Timecode 1 with PB900 flash</description>
    <start>
      <step>Playbacks.FlashPlayback("cueHandleUN=900")</step>
      <step>Timecode.TimecodeOne.Play()</step>
    </start>
    <end>
      <step>Playbacks.ClearFlashPlayback("cueHandleUN=900")</step>
      <step>Timecode.TimecodeOne.Pause()</step>
    </end>
  </macro>
</avolites.macros>
```

Explanation

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

This macro sports separate actions when being clicked/pressed and when being released.

When the macro button/key is pressed the <start> sequence is performed:

- `Playbacks.FlashPlayback("cueHandleUN=900")` flashes a particular playback
- `Timecode.TimecodeOne.Play()` makes a particular timecode run

When the macro button/key is released the <end> sequence is performed:

- `Playbacks.ClearFlashPlayback("cueHandleUN=900")` un-flashes the playback which was previously flashed
- `Timecode.TimecodeOne.Pause()` pauses the timecode

How to use it

- make this macro available. **This macro needs to be moved** to a handle, e.g. to a hardware button (executor). **Copying the macro does not work.**
- record a playback with the action you want to stopwatch, e.g. with your CO2 jet @ 100%. **Give this playback the user number 900.**
- you can even unassign this playback, or move it to a page which is safe from being hit by accident

Now, while this macro is activated, the timecode runs and the playback is being flashed.

Further hints:

- this can only be some measure for you. Please don't use this for any items which are safety-relevant
- the internal timecode can easily be reset. Please make sure this particular timecode is only used for this stopwatch thing (you might change `Timecode.TimecodeOne` for e.g. `Timecode.TimecodeFour`in order to use another timecode). Also make sure the timecode you use is set to be internal as play/pause will not work on all timecode sources or will have unexpected results.

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