Summary:
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The proposal is to add new Usage IDs to the Consumer Page (0x0C) to support
some new functionality appearing in some consumer electronics devices as
well as to support picture-in-picture functionality which has existed in the
market for some time, but which is currently not addressed by the HID usage
tables.

Background:
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Many televisions support picture-in-picture functionality whereby a television
is able to display video from a secondary video input in a reduced-size window
overlaid on the main television image which continues to show video from the
primary tuner or video input. This HUTRR requests the addition of usage IDs
to control this functionality.

Proposal:
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Add the following to section 15, Table 17: Consumer Page
Usage ID  = 0x67
Usage Name  = Picture-in-Picture Toggle
Usage Type  = OSC

Picture-in-Picture Toggle OSC - Toggles the Picture-in-Picture feature on and
off. In typical usage, if the overlaid picture-in-picture video is not
currently visible, then it becomes visible, and if it is currently visible,
then it is made not visible. Optionally, upon receipt of this control the
host device may cycle through multiple picture-in-picture options. For example
the host may cycle through various positions of the embedded picture on the
screen before cycling back to the state in which the picture-in-picture image
is not visible.

Add the following to section 15, Table 17: Consumer Page
Usage ID  = 0x68
Usage Name  = Picture-in-Picture Swap
Usage Type  = OSC

Picture-in-Picture Swap OSC - Swaps the video sources used for the main and
embedded display if the picture-in-picture feature is currently enabled on the
receiving device. If the picture-in-picture feature is not enabled at the
time of the receipt of this control, no action should result.

Change the following to section 15, Table 17: Consumer Page
Usage ID  = 0x67-0x7F
Usage Name  = Reserved
Response:
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Notes on Approval Procedure:
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HID WG On Line Voting Procedures

1. Votes are on a per company basis.

2. Each Review Request shall have attached a Required Voter List that is the result of recruiting by the HID Chair and submitter of members of the USB IF. Required Voter List must include the HID Chair plus 2 companies (other than the submitter) plus any others designated by the HID Chair at the Chair’s discretion. The Required Voter List ensures that a quorum is available to approve the Request.

3. Impose a 7-calendar-day posting time limit for new Review Requests. HID Chair or designate must post the RR within 7 calendar days. HID Chair or designate must work with the submitter to make sure the request is valid prior to posting. Valid review request must include all fields marked as required in the template. A new template will be adopted that requires at least the following fields: Change Text, Required Voter List, Review Period End Date and Voting End Date, Submittal Date, Submitter, Review Request Title and RR Number.

4. If a RR approval process stalls, the HID Chair may call a face-to-face meeting or conference call to decide the issue. Submitter may request that this take place.

5. Impose a minimum 15-calendar-day review period on a posted RR prior to the voting period. At HID Chair discretion, changes to the RR may require this review period to restart.

6. The Chair will accept votes via documentable means such as mail or e-mail during the 7 calendar days after the close of the review period. If a Required Voter does not vote during the period, then there is no quorum and the Chair may pursue the absent required voter and extend the voting period. The Chair may designate a substitute for the absent voter and extend the voting period if necessary.