```
Request #:          HUTRR35
Title:              New Usage IDs for consumer electronics devices (PiP Toggle, PiP-swap)
Spec Release:       1.11
Received:           27 May 2009
Requester:          Robert Hulvey
Company:            Broadcom Corp.
Phone:              +1 310 384 0996
FAX:
email:              rwhulvey@broadcom.com
-----------------
CurrentStatus:      Approved
Priority:           Normal
Submitted:          3 June 2009
Voting Starts:      18 June 2009
Voting Ends:        25 June 2009
Required Voter:     Broadcom
Required Voter:     Intel
Required Voter:     Microsoft
----------------
```

Summary:

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:

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:

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

```
To:

        Usage ID        = 0x69-0x7F
        Usage Name              = Reserved


Response:
---------


Notes on Approval Procedure:
---------------------------

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.
```