IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Clarifications of ATIM frame usage | | | | |
| Date: 2015-03-10 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Solomon Trainin | Intel |  |  | [solomon.trainin@intel.com](mailto:solomon.trainin@intel.com) |
| Carlos Cordeiro | Intel |  |  | [carlos.cordeiro@intel.com](mailto:carlos.cordeiro@intel.com) |
| Kirshenbaum, Erez | Qualcomm |  |  | [erezk@qti.qualcomm.com](mailto:erezk@qti.qualcomm.com) |
| Gal, Shahar | Qualcomm |  |  | [sgal@qti.qualcomm.com](mailto:sgal@qti.qualcomm.com) |
| Joe Andonieh | Peraso |  |  | [joe@perasotech.com](mailto:joe@perasotech.com) |
| Payam Torab Jahromi | Broadcom |  |  | [ptorab@broadcom.com](mailto:ptorab@broadcom.com) |

Clarifications of ATIM frame usage

P1586L27

*Discussion:*

*To make the solution consistent with other rules in the standard propose to add few references to the text:*

*Editor add to the text as follows:*

There might be one or more CBAPs in a beacon interval. An awake window is present within the first CBAP of a beacon interval that the CBAP has the Destination AID field equal to the broadcast AID or in a CBAP scheduled through the CBAP Only field is set to one in the DMG Parameters field (8.4.1.46 (DMG Parameters field)) if the Awake Window field in the Awake Window element (8.4.2.136 (Awake Window element)) transmitted by the AP or PCP has a value that is nonzero. A non-PCP and non-AP STA delivers the Awake Window element to a PCP and to an AP as defined in 10.2.6.2.3 (Power management mode operation of a non-AP and non-PCP STA with a wakeup schedule). A PCP and an AP delivers the Awake Window element to the non-PCP and a non-AP STA as defined in 10.2.6.2.4 (Power management mode operation of a non-AP and non-PCP STA with or withouta wakeup schedule). A PCP STA advertises its own Awake Window element as defined in 10.2.6.3 (PCP Power management mode).

P1586L48

*Discussion:*

*ATIM frame does not contain any direct or indirect information about AID of a scheduled CBAP.*

*Editor modify the text as follows*

If a STA receives or transmits an ATIM frame during the awake window, it shall be awake during the CBAPs within the current beacon interval

**References:**

1. IEEE P802.11-REVmc/D4.0, January 2015