IEEE P802.11
Wireless LANs

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| LB 205 Comment Resolution for 8.4.2.170z |
| Date: 2014-12-20 |
| Author(s): |
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Abstract

This submission proposes resolutions for comments in 8.4.2.170z of TGah Draft 3.0 with the following CIDs:

* 5273

Revisions:

- Rev 0: Initial version of the document

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5273 | Alfred Asterjadhi | 181.41 | 8.4.2.170z | The normative behavior related to this description is missing (that the AP that is away for some reason (SST, TWT, RAW, etc) from the primary channel of the BSS shall not be away from it for more than this duration maybe link these operations to the subclause 10.2.2.20 basically AP power save mode or clarify in their subclauses (e.g., SST TWT etc). | As in comment. | Revised –Agree in principle with the comment. This behavior needs to be specified in SST operation subclause (where the AP is allowed to be away from the primary channel) and in TWT operation (where the AP can be a TWT requester STA). Hence, the proposed resolution is to add the requirement that an AP shall not be away/asleep for a duration of time that exceeds MAD duration in these subclauses. TGah editor to make the changes shown in 11-14/1611r0 under all headings that include CID 5273. |

**Discussion:** *None.*

* **MAD element**

The MAD(#3476) element is shown in Figure 8-575a59 (MAD element).

|  |  |  |  |
| --- | --- | --- | --- |
|  | Element ID | Length | Max Away Duration |
| Octets: | 1 | 1 | 2 |
| * **MAD**(#3476) **element**
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The Element ID and Length fields are defined in 8.4.2.1 (General).

The Max Away Duration field indicates the maximum duration that the AP may be out of reach for the STA (operating in other channels, enter power save mode(#4132), or operating in other RAWs). The value of the Max Away Duration field is expressed in units of TU.(#3477, 3282)

**9.44.1 TWT overview**

**TGah Editor: *Change the paragraph below as follows (#5273):***

Target wake times (TWTs) allow STAs to manage activity in the BSS by scheduling STAs to operate at different times in order to minimize contention and to reduce the required amount of time that a STA utilizing a power management mode needs to be awake. STAs that request a TWT agreement are called TWT requesting STAs and the STAs which respond to their requests are TWT responding STAs. A TWT requesting STA is assigned specific times to wake and exchange frames with the TWT responding STA. A TWT requesting STA communicates wake scheduling information to its TWT responding STA and the TWT responding STA devises a schedule and delivers TWT values to the TWT requesting STA when a TWT agreement has been established between them. When explicit TWT is employed, a TWT requesting STA wakes and performs a frame exchange and receives the next TWT information in a response from the TWT responding STA. When implicit TWT is used, the TWT requesting STA calculates the Next TWT by adding a fixed value to the current TWT value. STAs need not be made aware of the TWT values of other STAs. The maximum number of active TWT agreements between any pair of STAs cannot exceed 8, since the TWT Flow ID field of the TWT element comprises 3 bits. TWT responding STAs may protect TWT times with protection mechanisms including, but not limited to NAV-setting frame exchanges. TWT responding STAs that are APs may additionally protect TWT times using RAW scheduling. TWT requesting STAs may wake at times other than TWT. An AP that is a TWT requesting STA shall not be in Doze state for a duration that exceeds the value of the dot11MaxAwayDuration, as defined in 10.2.2.20 (AP Power management), during a (short) beacon interval.

**9.49 Subchannel Selective Transmission (SST)**

**TGah Editor: *Insert the paragraph below at the end of this subclause as follows (#5273):***

An SST AP shall not be away from the primary channel of the BSS for a duration of time that exceeds the value of the dot11MaxAwayDuration, as defined in 10.2.2.20 (AP Power management), during a (short) beacon interval.