IEEE P802.11  
Wireless LANs

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| LB207 TWT CIDs | | | | |
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| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Matthew Fischer | Broadcom | 190 Mathilda Place, Sunnyvale, CA 94086 | +1 408 543 3370 | [mfischer@broadcom.com](mailto:mfischer@broadcom.com) |
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Abstract

This document proposes a resolution for CIDs relating to the TWT Information Element and the TWT behavioural subclauses.

**REVISION NOTES:**

R0: initial

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 “Instruction to 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.***

**CID LIST:**

| **CID** | **Commenter** | **Page.Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- | --- |
| 6011 | MARC EMMELMANN |  |  | The resolution for CID 5073 in document https://mentor.ieee.org/802.11/dcn/14/11-14-1372-09-00ah-tgah-lb205-comments-on-d3-0.xlsx states that the termionology / used wording is in line with text found in IEEE 802.11 REVmc. Based on this argument, the proposed change was rejected.    TGah has added the text (respectively changed the paragraph of the baseline) that was commented on in the previous comment. Hence the comment was valid.    The fact that 11mc used unspecific, unclear, or errorneous wording is not a justification for 11ah to repeat the text and claim that changes to this new text, added by 11ah, should be made in 11mc.    Hence, the comment was not properbly addressed. | Accept the proposed change per previous comment | Reject – see 11-09-1034-10-0000-802-11-editorial-style-guide.doc – see 2.3 and 2.14 – The cited text is subject to 2.3 which has been approved and is also the subject of 2.14, which has not yet been approved, but has been proposed and presented to the group with no dissention yet noted after having been on the server for fifteen months, and therefore, represents the best, current understanding of the guidelines for an amendment. Furthermore, because the WG has not only taken up the question of which phrasing is correct in instances such as the one cited by the commenter but also at least five years ago created a document whose purpose is to provide editorial guidelines on exactly such questions as this one, the task group once again indicates that this matter of style is clearly a WG issue, and not one for the TG to debate. |
| 6075 | Mitsuru Iwaoka | 313.26 | 9.49.2 | A bandwidth is "wider", not "greater". | Replace "greater" with "wider". | Accept |
| 6076 | Mitsuru Iwaoka | 310.50 | 9.49.1 | An SST AP indicates activation of the SST operation by including the SST Operation element, not by the SST element. | Replace "SST element" by "SST operation element". | Accept |
| 6078 | Mitsuru Iwaoka | 310.38 | 9.49.1 | It is not clear whether a TWT STA can access SST channel(s) or not. 9.49.1 seems to not allow the TWT STA to access SST channels, but 9..44.1 seems to allow. | Add the description that the TWT Channel field of the TWT element corresponds to the SST channels in the SST BSS. | Reject – There is no need to create additional language – the rules for TWT STA primary channel operation are clearly stated in TWT STA subclause 9.44. For non-primary channel operation, the TWT STA is required to obey the SST rules as stated at the end of 9.44.1 |
| 6126 | Alfred Asterjadhi | 151.15 | 8.4.2.196 | I think a value of the TWT Channel field need to be reserved to indicate that the TWT operation is setup in the BSS primary channel rather than other SST channels. Perhaps a value of 0? | Specify the value of the TWT Channel field when not operating in SST mode. | Reject – the text in 8.4.2.196 already covers all cases – it says that if there is an SST Op IE present, then the channel width per bit for the TWT Channel field comes from that element. In the absence of the element, the width is 2 MHz. Whether the chosen channel for TWT operation is the primary channel of the BSS or not is immaterial, as the chosen channel will be reflected in the TWT Channel field, and the fact that the chosen channel is equal to the primary channel or not does not affect the use of the field or the signaling supported by the field. |
| 6134 | Alfred Asterjadhi | 310.40 | 9.49.1 | "indicates the set of enabled SST operating channels in an SST Operation element and"... I think this applies to aperiodic SST as well. | Insert the quoted text in the comment immediately after "During periodic SST operation, an SST AP". | Accept |
| 6135 | Alfred Asterjadhi | 315.36 | 9.44.4 | change "TWT ID" to "TWT flow identifier" | as in comment | Accept |
| 6136 | Alfred Asterjadhi | 156.01 | 8.4.2.196 | change "the same for as" to "the same as" | as in comment | Accept, note to the editor that the comment is actually for line 64 of page 149. |
| 6137 | Alfred Asterjadhi | 154.26 | 8.4.2.196 | Should calrify that the TWT may be accepted with a different parameter set | add the following to the end of the sentence "with alternative values provided by the TWT responding STA" | Revise – In Table 8-258a2 – TWT setup command field values, in the column labeled “description when transmitted by a TWT responding STA”, for the row with “Accept TWT” in the column labeled “command name”, add the following to the end of the existing text: “in the TWT element transmitted by the responding STA” |
| 6145 | Liwen Chu | 297.48 | 9.44.5 | An AP doesn't know whether a STA has dot11TWTOptionActivated being 1.  Shouldn't TWT group support be checked here? | Change the sentence with S1G Capabilities field. Add TWT group capability check here. | Revise –TGah editor to change “An AP may include an S1G STA with dot11TWTOptionActivated equal to true as a member of a TWT group and signal TWT times to that STA using the TWT Group Assignment field of the TWT element” to “An AP may include an S1G STA with dot11TWTOptionActivated equal to true that has indicated support for TWT grouping in the S1G Capabilities element in its association request frame as a member of a TWT group and signal TWT times to that STA using the TWT Group Assignment field of the TWT element” – Commenter to note that there is a one to one correspondence between the value of dot11TWTOptionActivated and the TWT requester support bit in the S1G Capabilities element, so the AP can infer the state of the MIB variable. |
| 6208 | Joseph Levy | 296.00 | 9.44.3 | The sentence "A TWT requesting STA awake for an explicit TWT SP shall not transmit a PS-Poll frame with the Poll Type subfield equal to any value other than 2." is not clear and is confusing | Modify the sentence into "A TWT requesting STA awake for an explicit TWT SP shall transmit a PS-Poll frame with the Poll Type subfield equal to 2." | Reject – the proposed change would force a TWT requesting STA that is awake for an explicit TWT SP to transmit a PS-Poll frame, but this is not intended to be a requirement of such a STA. The existing language makes a clear restriction on behavior without forcing any new requirements. Other choices of language have style issues that have been rejected at the WG level, e.g. “If a TWT STA wishes to transmit” is deemed too anthropomorphic. “If a TWT STA transmits a PS-POLL during an explicit TWT SP, then the PS-Poll shall have restrictions” is a statement of a requirement which is applied after the fact. The existing language is precise and avoids previously proscribed style problems. |
| 6223 | Joseph Levy | 299.00 | 9.44.6 | After receiving NDP paging, It is not clear how the STA should conduct medium access when following the procedures described. For example, should STA transmit SIFS after the NDP paging? Or should it follow EDCA rules to obtain TXOP? | Clarify the medium access rules used | Reject – the rules of medium access for all TWT STA are provided in the initial TWT subclause 9.44.1, to wit: “A TWT requesting STA that transmits a frame during a TWT SP is not granted any special medium access privileges, nor is there any guarantee that the TWT responding STA assigned the TWT SP to only one TWT requesting STA.” |

**Discussion:**

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**Proposed changes**

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**CID xxxx**

**References:**