IEEE P802.11
Wireless LANs

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| Comment resolutions for 9.6.25 |
| Date: 2018-11-01 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |
| Abhishek Patil | Qualcomm Inc. |  |  |  |
| George Cherian | Qualcomm Inc. |  |  |  |

Abstract

This submission proposes resolutions for multiple comments related to TGax D3.0 with the following CIDs (3 CIDs):

* 15040, 15041, 15043

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 TGax Draft. This introduction is not part of the adopted material.

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 15040 | Abhishek Patil | 186.25 | Since HE STAs can use TWT Teardown frame, in baseline spec, under section "9.6.25.1 (Unprotected S1G Action field)", either delete or update the following sentence: "Several Action frame formats are defined to support S1G functionality." | As in comment | Revised –Agree in principle with the comment. Proposed resolution is to remove the sentence, like its absence in the S1G Action field subclause. TGax editor to make the changes shown in 11-18/1696r0 under all headings that include CID 15040. |
| 15041 | Abhishek Patil | 186.33 | Separate sentence for Negotiation Type = 3 is mixed with the one for Negotation Type = 0 & 1. | Replace the first paragraph as follows: "The TWT Flow field contains the TWT Flow Identifier or Broadcast TWT ID field, Negotiation Type field, and reserved bit(s). If the Negotiation Type field is 0 or 1, the format TWT Flow field is as shown in Figure 9-740b. If the Negotiation Type subfield is 3, the format of TWT Flow field is as shown in Figure 9-740b1." | Revised –Agree with the comment. Proposed resolution accounts for the suggested changes.TGax editor to make the changes shown in 11-18/1696r0 under all headings that include CID 15041. |
| 15043 | Abhishek Patil | 186.33 | What is the expected behavior or format when Negotiation Type field is = 2 | Add a sentence to indicate that Negotiation Type = 2 is reserved or not allowed since this is a unicast frame | Revised –Agree with the comment. Proposed resolution accounts for one of the suggested changes (i.e., it is reserved).TGax editor to make the changes shown in 11-18/1696r0 under all headings that include CID 15043. |

**Discussion: *None.***

* Unprotected S1G Action frame details

9.6.25.1 Unprotected S1G Action field

**TGax Editor: *Change the paragraph below of this subclause as follows (CID #15040):***

*(#15040)* An Unprotected S1G Action field, in the octet immediately after the Category field, differentiates the Unprotected S1G Action frame formats. The Unprotected S1G Action field values associated with each frame format within the Unprotected S1G category are defined in Table 9-465 (Unprotected S1G Action field values).

* TWT Teardown frame format

**TGax Editor: *Change the paragraph below of this subclause as follows (CID #15041):***

The TWT Flow field contains the TWT Flow Identifier or Broadcast TWT ID field, Negotiation Type field, and reserved bit~~s.~~ The format of the TWT Flow field is as shown in Figure 9-740b~~:~~ if the Negotiation Type field is 0 or 1 and is as shown in Figure 9-740b1 if the Negotiation Type subfield is 3.*(#15041)*

Change Figure 9-740b as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0                   B2 | B3          ~~B7~~ B4 | B5    B6 | B7 |
|  | TWT Flow Identifier | Reserved | Negotiation Type | Reserved |
| Bits: | 3 | ~~5~~ 2 | 2 | 1 |
| * TWT Flow field format if the Negotiation Type subfield is 0 or 1
 |

Insert a new Figure 9-740b1 as follows:

|  |  |  |  |
| --- | --- | --- | --- |
|  | B0                    B4 | B5                      B6 | B7 |
|  | Broadcast TWT ID | Negotiation Type | Reserved |
| Bits: | 5 | 2 | 1 |
| * TWT Flow field format if the Negotiation Type subfield is 3
 |

Change the last paragraph as follows (splitting it into two paragraphs and adding a third):

The TWT Flow Identifier/Broadcast TWT ID field contains the TWT Flow Identifier when the Negotiation Type field is 0 or 1 and contains the Broadcast TWT ID field when the Negotiation Type field is 3. The TWT Flow Identifier field and the Broadcast TWT ID field are ~~is~~ defined in 9.4.2.200.

~~In a TWT Teardown frame, the~~ The TWT Flow Identifier field in a TWT Teardown frame is set to the value of the TWT Flow Identifier field of the TWT element in the frame that successfully concluded the setup of the TWT that is the subject of the teardown request. The Broadcast TWT ID field of a TWT Teardown frame is set to the value of the Broadcast TWT identifier of the broadcast TWT schedule that is subject of the teardown request.

**TGax Editor: *Change the paragraph below of this subclause as follows (CID #15043):***

The Negotiation Type field indicates the type of negotiation that is subject to the teardown request and is set as defined in Table 9-262j1 (Interpretation of Negotiation Type subfield, Target Wake Time, TWT Wake Interval Mantissa and TWT Wake Interval Exponent fields). An S1G STA sets the Negotiation Type field to 0. The Negotiation Type subfield is reserved if set to 2.*(#15043)* (#13040, #12529)