IEEE P802.11
Wireless LANs

|  |
| --- |
| CR for CIDs in 11.21.6.3.4.1 |
| Date: 2024-03-12 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Dibakar Das | Intel |  |  | Dibakar.das@intel.com |
|  |  |  |  |  |

Abstract

This document proposes resolution for following CIDs in 11bk draft 1.0: **1078 1112 1166 1167**

 **1168 1273 1378 1392**

Rev0: initial version

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| **1077** | 11.21.6.4.3.1 | 29.13 | 11.21.6.4.3.1 General: a lot of text is copied without modification. Some context is nice, but no need to copy whole sections that don't change. | Highlight changes, rather than providing full clause text. Also, don't reference 11az, reference 802.11-REVme/D4.1 instead. | REVISEDTGbk Editor:Update the 11bk draft to be aligned with the latest version of 802.11REVme, and delete subclauses with unchanged text. |
| **1078** | 11.21.6.4.3.1 |  31.23 | "An ISTA shall follow the rules defined in Subclause 26.5.2 (UL MU Operation) or 35.5.2 (EHT UL MU operation) when transmitting any HE TB PPDUs for TB ranging." Why follow 35.3.2 (EHT) when transmitting on HE TB PPDU? Why no reference to EHT TB? Also, this change is not highlighted with change bars. | Probably needs text on what to do when transmitting an EHT TB PPDU. | **Revised.**Added clarification for EHT TB PPDU. **TGbe editor: please make changes tagged by CID #1078 in 11-24/0580r0.** |
| **1112** | 11.21.6.4.3.1 | 31.23 | While there is a reference to the "the rules defined in Subclause" ... "or 35.5.2 (EHT24 UL MU operation)", only "HE TB PPDUs for TB ranging" are considered. Also EHT TB PPDUs should be considered. | Please replace the start of the sentence with the following one:An ISTA shall follow the rules defined in Subclause 26.5.2 (UL MU Operation) or 35.5.2 (EHT UL MU operation) when transmitting any HE/EHT TB PPDUs for TB ranging | **Revised.**Added clarification for EHT TB PPDU. **TGbe editor: please make changes tagged by CID #1078 in 11-24/0580r0.** |
| **1166** | 11.21.6.4.3.1 | 31.23 | Change the sentence to "An ISTA shall follow the rules defined in Subclause 26.5.2 (UL MU Operation) or 35.5.2 (EHTUL MU operation) when transmitting any HE TB PPDUs or EHT TB PPDUs for TB ranging with the exceptions..." | As in comment | **Revised.**Added clarification for EHT TB PPDU. **TGbe editor: please make changes tagged by CID #1078 in 11-24/0580r0.** |
| **1167** | 11.21.6.4.3.1 | 34.08 | The BW of 320MHz EHT PPDU should be one of CBW320-1 and CBW320-2, and the BW of 320MHz non-HT duplicate PPDU should be CBW320. Is this the intention that the frame is transmitted in non-HT duplicate PPDU? Please go through the draft to check the usage of CBW320. | As in comment | **Reject.** **The intent is indeed to signal the frame is transmitted in non-HT Dup PPDUs. The commeter did not identify any issues with the proposed text.**  |
| **1168** | 11.21.6.4.3.1 | 36.16 | The restriction should be that the TXOP should start with one 320MHz EHT TB ranging and follow by the HE TB ranging and optional EHT TB ranging. | As in comment | **Reject.** Since the EHT TB Ranging is exclusively for 320 MHz operation, an RSTA wont be able to resume EHT TB Ranging operation (that is for 320 MHz) after completing HE TB Ranging operation (that is lower than 320 MHz) in same TXOP.  |
| **1273** | 11.21.6.4.3.3 | 36.19 | "Begin with TB ranging measurement exchange that solicits [...]" -- based on the next bullet this should be "Begin with TB ranging measurement exchange(s) that solicit(s) [...] use(s) [...] set(s)". Next bullet should be "perform TB ranging measurement exchange(s) that solicit(s)" | As it says in the comment | **Revised.**Made changes as suggested. **TGbe editor: please make changes tagged by CID #1273 in 11-24/0580r0.** |
| **1259** | 11.21.6.4.3.2 | 32.04 | It's not clear what has changed in this subclause | Clarify | REVISEDTGbk Editor:Update the 11bk draft to be aligned with the latest version of 802.11REVme, and delete whole sections with unchanged text. |
| **1378** | 11.21.6.4.3.3 | 36.22 | Clarify text on what next after Ranging NDP is completed. | Change sentence to read: After All the TB ranging measurement exchanges that solicit ENT (TB) Ranging NDP are completed, then a TB ranging measurement exchange that solicits HE (TB) Ranging NDP is performed. | **Reject.** There is no technical difference between the current text and the proposed change. Also, the current text aligns better in terms of readability with the bullet above.  |
| **1392** | 11.21.6.4.3.3 | 34.04 | The phrase "TF Ranging Sounding frame" should be used instead of "Trigger frame Ranging Sounding". | Replace "Trigger frame Ranging Sounding" with "TF Ranging Sounding frame" | **Revised.**Made changes as suggested. **TGbe editor: please make changes tagged by CID #1392 in 11-24/0580r0.** |

***TGbe editor: Please change 11.21.6.4.3 as follows:***

**11.21.6.4.3 TB ranging measurement exchange**

**11.21.6.4.3.1 General**

***TGbk editor: Please change text in P31L23 as follows (#1392):***

An ISTA shall follow the rules defined in Subclause 26.5.2 (UL MU Operation) or 35.5.2 (EHT UL MU operation) when transmitting any HE TB PPDUs or EHT TB PPDUs respectively(#1078) for TB ranging with the exceptions defined in [11.21.6.4.3.2](#H11o21o6o4o3o2) (Polling Phase of TB ranging), [11.21.6.4.3.3](#H11o21o6o4o3o3) (Measurement Sounding phase of TB ranging) and [11.21.6.4.3.4](#H11o21o6o4o3o4) (Reporting phase of TB ranging measurement).

**11.21.6.4.3.3 Measurement sounding phase of TB ranging**

***TGbk editor: Please change text in P34L04 as follows (#1392):***

If the TF Ranging Sounding is soliciting an HE TB Ranging NDP, the RSTA shall set the TXVECTOR parameter CH\_BANDWIDTH of the TF Ranging Sounding to that same bandwidth and use the same value for the UL BW subfield of the Common Info field of said Trigger frame. Otherwise, the RSTA shall set the TXVECTOR parameter CH\_BANDWIDTH of the TF Ranging Sounding to CBW320. When transmitting the Ranging NDP Announcement frame and R2I NDP, the RSTA shall set the TXVECTOR parameter CH\_BANDWIDTH to that same bandwidth.

***TGbe editor: Please change text in P36L16 as follows (#1273):***

If the RSTA intends to initiate a TB ranging measurement exchange soliciting both an EHT (TB) Ranging NDP and an HE (TB) Ranging NDP in a same TXOP, the RSTA shall:

* Begin with TB ranging measurement exchange(s) that solicit(s) EHT (TB) Ranging NDP, that use(s) non-HT duplicate PPDU for the Ranging Trigger frames, and that set(s) the More TF subfield to 1 in the Ranging Trigger frames.
* After all the TB ranging measurement exchanges that solicit(s) EHT (TB) Ranging NDP are completed, then perform TB ranging measurement exchange that solicits HE (TB) Ranging NDP.