IEEE P802.11
Wireless LANs

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| LB271 CR 35.14 part 2 |
| Date: 2023-05-06 |
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Abstract

This submission proposes resolutions for multiple comments related to TGbe D1.0 with the following CIDs:

 17120 17368 17121 17122 17123 16250 17124 17369 17125

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

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

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

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| **CID** | **PP** | **LL** | **Comment** | **Proposed Change** | Resolution |
| 17120 | 636 | 38 | "channelwidth (bandwidth)" is weird | Change to "bandwidth". Also change "BW" to "bandwidth" throughout this subclause | RevisedDiscussion: generally agree with the commenter. In 802.11 bseline, the usage of “bandwidth of the PPDU”, the usage of “channel width of the PPDU” are both used. The usage of “bandwidth of the PPDU” is more than the usage of “channel width of the PPDU”. The BW in the subclause is copied from the 11ax related subclause26.15.3 **(MCS, NSS, BW, and DCM selection)**.TGbe editor to make changes in THIS DOCUMENT with CID tag 17120. |
| 17368 | 636 | 32 | Some of these rules are specified in 35.16. Please ensure that there is no redundant/conflicting rules between these two subclauses. | As in comment. | RejectedDiscusison: 35.16 is about EPCS support. There is no redundant relues between this subclause ans 35.16. |
| 17121 | 637 | 31 | "less than or equal to 160 MHz PPDUs, less than or equal to 320 MHzPPDUs" has spurious "PPDUs" | Delete the two "PPDUs" | Accepted |
| 17122 | 637 | 35 | "and 160 MHz or 320 MHz" is confusing | Delete the "and" | Accepted |
| 17123 | 638 | 17 | "PPDU bandwidth (less than or equal to 20 MHz only for20 MHz only STA, 80 MHz for 80 MHz STA, 160 MHz or 320 MHz)" -- precedence unclear | Clarify | RejectedDiscussion: The CID is related to the text of “…for each <EHT-MCS, NSS> tuple, NSS = 1, 2, …, 8, and PPDU bandwidth (less than or equal to 20 MHz only for 20 MHz only STA, 80 MHz for 80 MHz STA, 160 MHz or 320 MHz) from the Supported EHT-MCS And NSS Set field received from the first STA”. The combination of MCS, Nss, bandwidth is defined by the Supported EHT-MCS And NSS Set field received from the first STA as mentioned in the draft. Another observation is that the related is copied from 802.11 baseline spec with the change from HE/EHT to EHT. |
| 16250 | 638 | 58 | typo "has EHT\_PPDU\_TYPE" | Change "has EHT\_PPDU\_TYPE" to "has an EHT\_PPDU\_TYPE". Also at location P628L61, P639L4 and P639L20. | RevisedTGbe editor: please change “whose TXVECTOR has EHT\_PPDU\_TYPE equal to 1” to “with the TXVECTOR parameter EHT\_PPDU\_TYPE equal to 1” at P638L58, P638L61, P639L4, and P639L20. |
| 17124 | 638 | 56 | " except the Beacon frames " spurious article | Delete "the". Ditto at 639.30 | RejectedDiscussion: “the Beacon frames” is used in 802.11 Revme D3.0 21 times. |
| 17369 | 638 | 54 | Group addressed frames are already allowed to be sent in HE PPDU. So adding the allowance in EHT PPDU would mean that 11ax STAs will not be able to decode them. Is the intention to define a mode of operation wherein HE STAs cannot participate? Please clarify | As in comment. | RejectedDiscussion: the intention is not to define a new mode. If an AP wants to transmit a broadcast frame to EHT STAs, the AP can use EHT PPDU to transmit the frame.  |
| 17125 | 639 | 34 | "in an EHT MU PPDU with RUs" -- all MU PPDUs have RUs, no? | Delete "with RUs" | RevisedDiscussion: this subclause is for the EHT MU PPDU that addressed to multiple STAs through DL MU MIMO or DL OFDMA.TGbe editor to make changes in THIS DOCUMENT with CID tag 17125. |

**35.14.3 MCS, NSS, BW selection**

*TGbe editor: Please change 35.14.3 as follows:*

An EHT STA shall follow the rules defined in 10.6 (Multirate support) and 26.15.4 (Rate selection constraints for HE STAs) for selecting the rate, MCS, NSS, and the rules defined in 10.3.2.7 (VHT and S1G RTS procedure), 10.3.2.9 (CTS and DMG CTS procedure), 10.6.6.6 (Channel Width selection for Control frames), and 10.6.12 (Channel Width in non-HT and non-HT duplicate PPDUs) for selecting the bandwidth (#17120) of transmitted PPDUs with the following exceptions:

—EHT-MCS, NSS, and BW selection for an EHT TB PPDU are defined in 35.5.2.3 (Non-AP STA behavior for UL MU operation).

—Rate and BW selection for a CTS sent in response to an MU-RTS Trigger frame are defined in 35.2.2.2 (CTS frame response to an MU-RTS Trigger frame).

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*TGbe editor: Please change 35.14.6 as follows:*

**35.14.6 Additional rules for group addressed frames in an EHT MU PPDU with the TXVECTOR parameter EHT\_PPDU\_TYPE not equal to 1 except Beacon frame (#**17125**)**

An EHT AP may include group addressed frames except the Beacon frames in an EHT MU PPDU with the TXVECTOR parameter EHT\_PPDU\_TYPE not equal to 1 (#17125) subject to the rules defined in this subclause.

An EHT AP that includes a group addressed frame in an EHT MU PPDU with the TXVECTOR parameter EHT\_PPDU\_TYPE not equal to 1(#17125) shall ensure that the frame is included in a broadcast RU in the EHT MU PPDU. The EHT AP shall additionally ensure that the following conditions are satisfied for the broadcast RU:

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