IEEE P802.11
Wireless LANs

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| LB271 CR for CIDs 15325, 15326 and 17178 |
| Date: 2023.04.17 |
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Abstract

This submission contains the proposed comment resolutions of CIDs in 23/0272 IEEE 802.11be LB271 comments.

One CID (CID 15325) in 36.2.1 (Introduction) and two CIDs (CIDs 15326 and 17178) in 36.2.2 (TXVECTOR and RXVECTOR parameters) are resolved.

Resolved CIDs: 15325, 15326, and 17178.

Revision Notes

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| R0 | Initial revision |

## CID 15325

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| --- | --- | --- | --- | --- |
| Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 665.49 | 36.2.1 | The two paragraphs describe the interface between EHT PHY and EHT MAC in a general way that may cause misleading interpreation. For example, not all PHYs include TRIG\_VECTOR. | Replace "the PHY" with "the EHT PHY" and "the MAC" with "the EHT MAC" throughout those two paragraphs. | REVISED.Agree with the commenter.***Instructions to the editor:*** **Please make the changes as shown under CID 15325 in 11-23/0652r0.** |

***Instructions to the editor: please make the following changes to Page 670, Line 6 in the subclause 36.2 (EHT PHY service interface) in D3.1 as shown below:***

The EHT PHY provides an interface to the EHT MAC through an extension of the generic PHY service interface defined in 8.3.4 (Basic service and options). The interface includes TXVECTOR, RXVECTOR, PHYCONFIG\_VECTOR, and TRIG\_VECTOR.

The EHT MAC uses the TXVECTOR to supply the EHT PHY with per-PPDU transmit parameters. The EHT PHY uses the RXVECTOR to inform the EHT MAC of the received PPDU parameters. The EHT MAC uses the PHYCONFIG\_VECTOR to configure the EHT PHY for operation that is independent of frame transmission or reception. The EHT MAC uses the TRIG\_VECTOR to configure the EHT PHY to receive EHT TB PPDUs over each assigned RU or MRU.

## CID 15326 and 17178

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| --- | --- | --- | --- | --- |
| Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 667.57(CID 15326) | 36.2.2 | The entry of "FORMAT is PHY\_VER\_UNKNOWN" could be merged with the entry of "Otherwise" | As in comment | REVISED.Agree with the commenter.***Instructions to the editor:*** **Please make the changes as shown under CID 17178 in 11-23/0652r0.** |
| 667.52(CID 17178) | 36.2.2 | Change "Set to 1 to indicate an UL EHT SU transmission" to "Set to 1 to indicate an UL EHT SU transmission addressed to an AP" (to make consistent with row above for UPLINK\_FLAG = 0) | See comment | ACCEPTED.Note to the editor: Page 671, Line 53 in 802.11be D3.1. |

***Instructions to the editor: please make the following changes to Page 671, Line 6 in the subclause 36.2 (EHT PHY service interface) in D3.1 as shown below:***

**Table 36-1—TXVECTOR and RXVECTOR parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Condition** | **Value** | **TXVECTOR** | **RXVECTOR** |
| FORMAT |  | Determines the format of the PPDU. Enumerated type:NON\_HT indicates Clause 15, Clause 16, Clause 17, Clause 18, or non-HT duplicate PPDU format. In this case, the modulation is determined by the NON\_HT\_MODULA- TION parameter defined in Table 19-1 (TXVECTOR and RXVECTOR parameters).HT\_MF indicates HT-mixed format. HT\_GF indicates HT-greenfield format. VHT indicates VHT format.HE\_SU indicates HE SU PPDU format. HE\_MU indicates HE MU PPDU format. HE\_ER\_SU indicates HE ER SU PPDU format. HE\_TB indicates HE TB PPDU format.EHT\_MU indicates EHT MU PPDU format. EHT\_TB indicates EHT TB PPDU format.PHY\_VER\_UNKNOWN indicates a PPDU format that contains the L-STF, L-LTF, L-SIG, RL-SIG and U-SIG fields, and has the PHY Version Identifier field in the U- SIG field set to a Validate value. Refer to [Table 36-28 (U-](#bookmark102) [SIG field of an EHT MU PPDU)](#bookmark102) and [Table 36-31 (U-SIG](#bookmark105) [field of an EHT TB PPDU)](#bookmark105).The enumerated type PHY\_VER\_UNKNOWN is not used in the TXVECTOR. | Y | Y |
| EHT\_PPDU\_TYPE | FORMAT is EHT\_MU and UPLINK\_FLAG is 0 | Set to 0 to indicate a DL OFDMA transmission (including non-MU-MIMO and MU-MIMO).Set to 1 to indicate an EHT SU transmission or EHT sounding NDP not addressed to an AP.Set to 2 to indicate a DL MU-MIMO (non-OFDMA) transmission. | Y | Y |
| FORMAT is EHT\_MU and UPLINK\_FLAG is 1 | Set to 1 to indicate an UL EHT SU transmission or EHT sounding NDP addressed to an AP. (#17178) | Y | Y |
| FORMAT is EHT\_TB | Set to 0. | O | O |
| FORMAT is PHY\_VER\_UNKNOWN or otherwise (#15326)  | Not present. |
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