IEEE P802.11  
Wireless LANs

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| LB275 CR for CIDs in 36.2.6 | | | | |
| Date: 2023-09-11 | | | | |
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Abstract

This submission proposes resolutions of comments received from TGbe comment collection LB275 based on TGbe D4.0.

19145, 19146, 19147, 19148, 19149, 19150, 19151 (7 CIDs)

Revisions:

* Rev 0: Initial version of the document.

# ****CID 19145****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.2 | 704.35 | The parameter "SERVICE", "CH\_BANDWIDTH\_IN\_NON\_HT", "DYN\_BANDWIDTH\_IN\_NON\_HT" and "OPERATING\_CHANNEL" are not listed in Table 36-1. The former 3 parameters are defined in corresponding PHY sub-clauses. The last one is not a TXVECTOR/RXVECTOR parameter and its mapping rule is explained at p705/l52. So they should not be listed in Table 36-4. | Remove the mentioned 4 parameters from Table 36-4. | Revised.  Agreed in principle. Reflect the detailed explanation.  **Instructions to the editor:**  **Please make the changes as shown in 11/23-1582r0 under CID 19145.** |

**Discussion:**

1. Table 36-4 is referenced to illustrate the mapping of the EHT PHY TXVECTOR/RXVECTOR parameters for non-HT operation.
2. The parameters "SERVICE", "CH\_BANDWIDTH\_IN\_NON\_HT", "DYN\_BANDWIDTH\_IN\_NON\_HT" are not EHT PHY TXVECTOR/RXVECTOR parameters. The EHT PHY TXVECTOR/RXVECTOR parameters are listed in Table 36-1 and the above three parameters are not included. The above three parameters are defined in corresponding PHY sub-clauses.
3. The parameter "OPERATING\_CHANNEL" is not an EHT TXVECTOR/RXVECTOR parameter. It is a PHYCONFIG \_VECTOR. Its mapping rule is explained at Line 52, Page 682.
4. The above 4 parameters should be deleted from Table 36-4.

**Instructions to the Editor:**

Please make the following changes in Line 5, Page 682in TGbe Draft D4.0:

**Table 36-4—Mapping of the EHT PHY parameters for non-HT operation**

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| **EHT PHY**  **parameter** | **2.4 GHz**  **operation defined by Clause 15 (DSSS PHY**  **specification for the 2.4 GHz band designated for ISM**  **applications)** | **2.4 GHz**  **operation defined by Clause 16 (High rate direct sequence spread spectrum (HR/ DSSS) PHY**  **specification)** | **2.4 GHz**  **operation defined by Clause 18 (Extended Rate PHY (ERP)**  **specification)** | 1. **GHz and** 2. **GHz operation defined by Clause 17 (Orthogonal frequency division multiplexing (OFDM) PHY**   **specification)** | **Parameter list** |
| L\_LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | TXVECTOR/ RXVECTOR |
| L\_DATARATE | DATARATE | DATARATE | DATARATE | DATARATE | TXVECTOR/ RXVECTOR |
| TXPWR\_LEV EL\_INDEX | TXPWR\_LEVEL  \_INDEX | TXPWR\_LEVEL  \_INDEX | TXPWR\_LEVEL  \_INDEX | TXPWR\_LEVEL  \_INDEX | TXVECTOR |
| RSSI | RSSI | RSSI | RSSI | RSSI | RXVECTOR |
| RCPI | RCPI | RCPI | RCPI | RCPI | RXVECTOR |

# ****CID 19146****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.3 | 706.22 | Table 36-1 doesn't contain any TXVECTOR parameters that're defined for HT but not extended for EHT. The EHT STA will directly use TXVECTOR parameters in Table 19-1 to support HT transmission. | Delete the first sentence in the 2nd paragraph of sub-clause 36.2.6.3 | Rejected. |

**Discussions:**

1. The first sentence in the 2nd paragraph of sub-clause 36.2.6.3 is “The EHT TXVECTOR parameters in Table 36-1 (TXVECTOR and RXVECTOR parameters) are mapped directly to Clause 19 (High Throughput (HT) PHY specification) TXVECTOR parameters in Table 19- 1 (TXVECTOR and RXVECTOR parameters).”.
2. The EHT STA can only takes adavantage of EHT TXVECTOR parameters. If it is required to support HT transmission, the EHT TXVECTOR parameters are mapped to HT TXVECTOR parameters. The mapping process is depicted in Figure 36-1 in Line 23, Page 680 of TGbe Draft D4.0. Thus, the first sentence in the 2nd paragraph of sub-clause 36.2.6.3 can’t be deleted since it illustrates the mapping process.

# ****CID 19147****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.3 | 706.46 | Table 36-1 doesn't contain any RXVECTOR parameters that're defined for HT but not extended for EHT. The EHT STA will directly use RXVECTOR parameters in Table 19-1 to support HT reception. | Delete the sentence "The RXVECTOR parameters in Table 19-1 (TXVECTOR and RXVECTOR parameters) are mapped directly to the RXVECTOR parameters in Table 36-1 (TXVECTOR and RXVECTOR parameters)" at p706/l46 | Rejected. |

**Discussions:**

The EHT STA can only takes adavantage of EHT RXVECTOR parameters. If it is required to support HT reception, the HT RXVECTOR parameters are mapped to EHT RXVECTOR parameters. The mapping process is depicted in Figure 36-2 in Line 40, Page 680 of TGbe Draft D4.0. Thus, the sentence “The RXVECTOR parameters in Table 19-1 (TXVECTOR and RXVECTOR parameters) are mapped directly to the RXVECTOR parameters in Table 36-1 (TXVECTOR and RXVECTOR parameters)” can’t be deleted since it illustrates the mapping process.

# ****CID 19148****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.4 | 706.61 | Table 36-1 doesn't contain any TXVECTOR parameters that're defined for VHT but not extended for EHT. The EHT STA will directly use TXVECTOR parameters in Table 21-1 to support VHT transmission. | Delete the first sentence in the 2nd paragraph of sub-clause 36.2.6.4 | Rejected.  For the similar reason with CID 19146. |

# ****CID 19149****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.4 | 707.20 | Table 36-1 doesn't contain any RXVECTOR parameters that're defined for VHT but not extended for EHT. The EHT STA will directly use RXVECTOR parameters in Table 21-1 to support VHT reception. | Delete the sentence "The RXVECTOR parameters in Table 21-1 (TXVECTOR and RXVECTOR parameters) are mapped directly to the RXVECTOR parameters in Table 36-1 (TXVECTOR and RXVECTOR parameters)" at p707/l20 | Rejected.  For the similar reason with CID 19147. |

# ****CID 19150****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.5 | 707.36 | Table 36-1 doesn't contain any TXVECTOR parameters that're defined for HE but not extended for EHT. The EHT STA will directly use TXVECTOR parameters in Table 27-1 to support HE transmission. | Delete the first sentence in the 2nd paragraph of sub-clause 36.2.6.5 | Rejected.  For the similar reason with CID 19146. |

# ****CID 19151****

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| **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 36.2.6.5 | 707.57 | Table 36-1 doesn't contain any RXVECTOR parameters that're defined for HE but not extended for EHT. The EHT STA will directly use RXVECTOR parameters in Table 27-1 to support HE reception. | Delete the sentence "The RXVECTOR parameters in Table 27-1 (TXVECTOR and RXVECTOR parameters) are mapped directly to the RXVECTOR parameters in Table 36-1 (TXVECTOR and RXVECTOR parameters)" at p707/l57 | Rejected.  For the similar reason with CID 19147. |