IEEE P802.11  
Wireless LANs

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| CR for PICS comments on D2.0 – Part 1 | | | | |
| Date: 2017-11-08 | | | | |
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This submission present a resolution for CID***s 11400, 13327, 13328, 13502, 13503, and 12706***.The proposed changes are based on **P802.11ax D2.0 on Annex B.**

##### Revision history:

##### R0 – initial version

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 11400 | B.4.27.2 | 564 | 50 | HEP5 and HEP 11 both list STBC. Need to remove one | as in the comment | Revised  Agree in principle that HEP5 and HEP11 are duplicate. Remove HEP11 and update the numbering of the succeeding items accordingly.  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |

***Discussion:***

The commenter points out correctly that HEP5 and HEP11 are duplicate items. HEP11 can be removed without any impact to the amendment because there is no item that establishes a dependency with HEP11.

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***Proposed Resolution:***

**To TGax editor:**  Please update 565.43 to 568.12 in Annex B.4.27.2 of **P802.11ax D2.0** with the proposed changes below.

**At 565.43, delete the row related to the description of HEP11.**

**From 565.45 to 568.12, replace the numbering of all the remaining HEP items from “HEP12.\*” to “HEP11.\*”.**

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| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 13327 | B.4.3 | 557 | 37 | Typo: HE should be HT | Replace HE with HT | Accepted  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |
| 13328 | B.4.3 | 557 | 40 | Typo: HE should be HT | Replace HE with HT | Accepted  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |

***Discussion:***

The description of CFHT2G4 and CFHT5G is about HT operation in the 2.4 GHz band and the 5 GHz band, respectively.

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***Proposed Resolution:***

**To TGax editor:**  Please update 557.37 to 557.40 in Annex B.4.3 of **P802.11ax D2.0** with the proposed changes below.

**------------- Begin Text Changes ---------------**

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| \*CFHT2G4 | HT operation in the 2.4 GHz band | Clause 19 | CFHT:O.6  CFHE:M | Yes  No  N/A  |
| \*CFHT5G | HT operation in the 5 GHz band | Clause 19 | CFHT:O.6  CFVHT:M  CFHE:M | Yes  No  N/A  |

**------------- End Text Changes ---------------**

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| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 13502 | B.4.27.1 | 562 | 57 | HEM7.3 shows dependency on HEM6.4. This should be HEM6.3 instead. | See comment | Accepted  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |
| 13503 | B.4.27.1 | 562 | 60 | HEM7.3 shows dependency on HEM6.5. This should be HEM6.4 instead. | See comment | Accepted  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |

***Discussion:***

In D2.0, HEM7.3 (HE Sounding Protocol as MU beamformer) has a dependence with HEM6.4 (MU beamformee capable), which is incorrect. The correct dependence is HEM6.3 (MU beamformer capable).

HEM7.4 (HE Sounding Protocol as MU beamformee) has a dependence with HEM6.5 (Transmittion of HE NDP), which is also incorrect. The correct dependence is HEM6.4 (MU beamformee capable).

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***Proposed Resolution:***

**To TGax editor:**  Please update 562.56 to 562.60 in Annex B.4.27.1 of **P802.11ax D2.0** with the proposed changes below.

**------------- Begin Text Changes ---------------**

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| \*HEM7.3 | HE Sounding Protocol as MU beamformer | 27.6 (HE  sounding protocol) | HEM6.3:M | Yes  No  N/A  |
| \*HEM7.4 | HE Sounding Protocol as MU beamformee | 27.6 (HE  sounding protocol) | HEM6.4:M | Yes  No  N/A  |

**------------- End Text Changes ---------------**

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| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 12706 | B.5 | 565 | 15 | 28.1.1 says BCC is not used for an "HE SU PPDU with number of spatial streams greater than 4" and 28.3.11.5 says "Support of BCC code is limited to less than or equal to four spatial streams" | Change the Protocol Capability to "BCC with 4 or fewer spatial streams". Also change HEP10.3 to "LDPC with 4 or fewer spatial streams " | Accepted  TGax Editor: Please change the text as indicated in doc.: IEEE 802.11-17/1775r0. |

***Discussion:***

As referred to HEP10.1 and HEP10.3 in Annex B.4.27.2, the description about BCC and LDPC is not consistent with that in subclauses 28.1.1 and 28.3.11.5.

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***Proposed Resolution:***

**To TGax editor:**  Please update 565.14 in Annex B.4.27.2 of **P802.11ax D2.0** with the proposed changes below.

**------------- Begin Text Changes ---------------**

BCC with 4 or fewer spatial streams

**------------- End Text Changes ---------------**

**To TGax editor:**  Please update 565.24 in Annex B.4.27.2 of **P802.11ax D2.0** with the proposed changes below.

**------------- Begin Text Changes ---------------**

LDPC with 4 or fewer spatial streams

**------------- End Text Changes ---------------**