IEEE P802.11  
Wireless LANs

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| CR for 11be D1.0 | | | | |
| Date: 2020-07-22 | | | | |
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Abstract

This submission proposes text changes of TGbe Draft 1.0 for CIDs:

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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 1.01. 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** | **Commentor** | **Clause Number** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4666 | Brian Hart | 36.3.22 | 547.62 | indicates a HE-PPDU | "indicates an HE-PPDU" (i.e. from an aitch-ee- PPDU). Perform a case-sensitive search for "a HE" throughout the draft since 3 instances in total have crept in. | Accepted |
| 4913 | Dong Guk Lim | 36.3.21 | 543.23 | In figure 36-80, change Code OFDM with Coded OFDM. | As in comment | Accepted  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 4913. |
| 5495 | Jian Yu | 36.3.22 | 549.06 | Correct reference for spatial reuse operation. In clude HE spatial reuse operation and EHT spatial reuse operation if exists. | as in comment | Revised-  TGbe editor please change the reference of spatial reuse operation to 35.xx |
| 6096 | Marcos Martinez Vazquez | 36.3.21 | 543.21 | Incorrect legend for EHT-SIG | Remove "BPSK, rate 1/2" line below EHT-SIG symbol | Accepted  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 6096. |
| 6151 | Mengshi Hu | 36.3.21 EHT transmit procedure | 543.23 | "Code" should be "Coded". Five typos. | "Code" should be "Coded". | Accepted  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 6151. |
| 6819 | ron porat | 36.3.22 | 547.12 | Text in block "Detect SIG for non-HT, HT, VHT and HE". HE is not detected in that block. | Detect SIG for non-HT, HT and VHT | Accepted  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 6819. |
| 6820 | ron porat | 36.3.22 | 547.32 | In block following E1: "Set PHY\_CCA indication() in accordance with 36.3.19.6", Section 36.3.19.6 not found |  | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 6820. |
| 6821 | ron porat | 36.3.22 | 547.38 | In block following E2: Reference to incorrect Equation 36-105 and 3Equation 36-104 | Should be Equation 36-108 and Equation 36-109 | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 6821. |
| 6908 | RUI YANG | 36.3.22 | 548.34 | "the LENGTH field value in L-SIG is a not a multiple of three" should be "the LENGTH field value in L-SIG is not an multiple of three" | As in comment | Accepted |
| 6912 | RUI YANG | 36.3.22 | 547.13 | "and HE" in "Detec SIG for non-HT, HT, VHT and HE" should be removed since HE PPDU carries RL-SIG as well. | As in comment | Revised-  Resolved in CID 6819 |
| 7270 | Sigurd Schelstraete | 36.3.21 | 543.16 | Figure 36-80: scrambling and encoding should not include post-FEC padding | Correct figure | Reivsed  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7270. |
| 7271 | Sigurd Schelstraete | 36.3.21 | 543.16 | Figure 36-81: scrambling and encoding should not include post-FEC padding | Correct figure | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7271. |
| 7272 | Sigurd Schelstraete | 36.3.21 | 544.01 | "The transmit procedure for NON\_HT, HT\_MF, HT\_GF, VHT, and HE formats are specified in 36.2.6". 36.2.6 does not describe transmit pocedures. May be better to refer to 27.3.21. | See comment | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7272. |
| 7273 | Sigurd Schelstraete | 36.3.21 | 544.16 | There is no mention of the signal PHY-TXSTART.confirm() in transmit procedure description. It is shown in Figure 36-80. | Add description. | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7273. |
| 7274 | Sigurd Schelstraete | 36.3.21 | 544.29 | "The SERVICE field and PSDU are encoded as described in 36.3.6 (Transmitter block diagram).". The paragrah above already mentions coding. Also, 36.3.6 doesn't seem related to SERVICE field or PSDU. | Delete "The SERVICE field and PSDU are encoded as described in 36.3.6 (Transmitter block diagram)." | Accepted |
| 7275 | Sigurd Schelstraete | 36.3.22 | 547.16 | Figure 36-85: "CRC Fail" coming out of "SIGCombine L-SIG and RL-SIG.". There is no CRC in L-SIG. | Replace with "Rate and Parity check fails" | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7275. |
| 7276 | Sigurd Schelstraete | 36.3.22 | 549.33 | Change "If the CRC checks in U-SIG valid" to "If the CRC check in U-SIG is valid" | See comment | Accepted |
| 7277 | Sigurd Schelstraete | 36.3.22 | 549.33 | Change "each indicates" to "all indicate" | See comment | Accepted |
| 7278 | Sigurd Schelstraete | 36.3.22 | 549.39 | "If the received PPDU is EHT MU PPDU, ..." is in bold. | Change to normal font | Accepted |
| 7279 | Sigurd Schelstraete | 36.3.22 | 549.39 | "If the received PPDU is EHT TB PPDU, ..." is in bold. | Change to normal font | Accepted |
| 7280 | Sigurd Schelstraete | 36.3.22 | 550.50 | PHY-RXEND.indication(NoError, RXVECTOR) signal shown in Figure 36-83 and 36-84 is not explained or mentioned in the text. | Add description. | Revised  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 7280. |
| 8143 | yujin noh | 36.3.21 | 543.23 | delete the BPSK below EHT-SIG in Figure 36-80. modulation level should be BPSK, QPSK and 16QAM depending on a value of EHT-SIG-MCS field. | as in comment | Revised-  Resolved in CID 6096 |
| 8144 | yujin noh | 36.3.21 | 543.48 | add UL EHT-MCS indicated in EHT variant User Info field format in Trigger frame after Coded OFDM | as in comment | Revised-  TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 8144. |
| 8145 | yujin noh | 36.3.21 | 544.26 | NUM\_NSTS should be NUM\_STS as in Table 36-1 | as in comment | Accepted |
| 8146 | yujin noh | 36.3.21 | 544.26 | NUM\_USERS is not defined in Table 36-1. This parameter should be defiend in Table 36-1 | as in comment | Suggest to transfer to Bo Sun |
| 8147 | yujin noh | 36.3.22 | 546.49 | add UL EHT-MCS indicated in EHT variant User Info field format in Trigger frame after Coded OFDM | as in comment | Revised-  MCS is indicated by local MAC via . TGbe editor please refer to the changes in DCN 1227r0 under heading that include CID 8147. |
| 8148 | yujin noh | 36.3.22 | 547.40 | Equation (36-105) and Equation (36-104) are wrong references. Correct it. | as in comment | Revised-  Resolved in CID 6821 |
| 8149 | yujin noh | 36.3.22 | 548.44 | PHY version identifier should be PHY Version Identifier field to improve the text | as in comment | Accepted |
| 8150 | yujin noh | 36.3.22 | 550.29 | what equation should be used among between (36-109) and (36-108) is not clear. Equation (36-108) should be used in case Equation (36-109) is not valid because values in Equation (36-109) are not valid. This rule which applied to 11ax should be applied to 11be. take a look at the form of TXTIME in Equation (36-110) | as in comment | Rejected-  The rule here is the same as 11ax. The two equations are clarified both in text and state machine. |

**Proposed changes for CID 4913,6096,6151,7270:**

*To the TGbe Editor:* **replace “Figure 36-80—PHY transmit procedure for an EHT MU PPDU” with the figure below.**



**Proposed changes for CID 7271,8144:**

*To the TGbe Editor:* **replace “Figure 36-81—PHY transmit procedure for an EHT TB PPDU” with the figure below.**



**Proposed changes for CID 6819, 6820, 6821,7275**

*To the TGbe Editor:* **replace “Figure 36-85—PHY receive state machine” with the figure below.**



**Proposed changes for CID 7272:**

*To the TGbe Editor: Change P.L. 566.01 as following:*

NOTE 2—The transmission of NON\_HT, HT\_MF, HT\_GF, VHT, and HE formats are specified in 36.2.6  
(Support for non-HT, HT, VHT, and HE formats).

**Proposed changes for CID 7273:**

*To the TGbe Editor: change P.L. 566.4 as following:*

In all options, in order to transmit data, the MAC generates a PHY-TXSTART.request primitive, which  
causes the PHY entity to response with PHY-TXSTART.confirm primitive and enter the transmit state. Further, the PHY is set to operate at the appropriate frequency through station management via the PLME, as specified in 36.4.

**Proposed changes for CID 7280:**

*To the TGbe Editor: change P.L. 572.45 as following:*

After the reception of the final bit of the last PSDU octet, and possible padding and tail bits, the PHY entity shall check whether packet extension and/or signal extension is applied. If packet extension and/or signal extension is applied, the PHY entity shall wait until the packet extension and/or signal extension expires and issue a PHY-RXEND.indication

(NoError, RXVECTOR) and return to the RX IDLE state, as shown in Figure 36-85

**Proposed changes for CID 8147**

*To the TGbe Editor:* **replace “Figure 36-84—PHY receive procedure for an EHT TB PPDU” with the figure below.**

