IEEE P802.11  
Wireless LANs

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| D2.0 Comment Resolution of Miscellaneous CIDs | | | | |
| Date: 2021-09-15 | | | | |
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Abstract

This submission proposes resolutions for several comments in Annex D and comments related maximum PPDU duration and PSDU length in 11bd D2.0:

* 2015, 2146, 2147, 2012, 2013

Revisions:

* r0: initial version

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 2015 | Annex B.4.38 | 125.09 | Follow the naming change in Annex D.2.3, change "Spectrum mask, Class C" to "Spectrum mask C2, Class C" | As in the comment. | Accepted |
| 2146 | 9.2.4.7.1 | 33.49 | According to Table 31-1 the maximum NGV MPDU length in octets is 7991. Hence replace in row MPDU size, column NGV PPDU "246 780" with "7991". | as in comment | Accepted |
| 2147 | 9.2.4.7.1 | 34.27 | According to Table 32-19 aPPDUMaxTime is 5.484 ms, aPSDUMaxLength is 121 320 octets, and according to the note below Table 31-1 the maximum PPDU duration is 5.484 ms. However, in Table 9-25, the PSDU size for NGV is 246 780 and the PPDU duration is 10.968 ms, which is twice the aPSDUMaxLength and aPPDUMaxTime in Table 32-19. Hence replace the PSDU size with "121 320" and the PPDU duration with "5 484" in Table 9-25. | as in comment | Revised  Notice that there is inconsistency of the maximum PSDU size and PPDU duration. As LLENGTH field in L-SIG of an NGV PPDU can indicate maximum PPDU duration of 10.968ms, the draft needs to update related parameters according to max PPDU duration of 10.968ms. The max PSDU length is computed as: (((2^12 - 1) + 3)/3\*8 - 6\*8)/8 \* 1440 / 8 = 244800 octets.  *TGbd Editor: Please make the following change:*  *in Table 9-25—Maximum data unit sizes (in octets) and durations (in microseconds) in Section 32.3.6 of D2.0, update the value of PSDU size for NGV PPDU column from “246 780” to “244 800” in P34L12.* |
| 2012 | 32.4.4 | 119.33 | As the LENGTH field in L-SIG is computed based on 3mbps, The maximum PPDU time needs to be doubled compared to 11ac, from "5.484 ms" to "10.968 ms". | As in the comment. | Accepted |
| 2013 | 32.4.4 | 119.35 | As aPPDUMaxTime is doubled, need to update aPSDU maxLENTH too. | As in the comment. | Revised  Agree that the maximum PSDU size and PPDU duration needs to be updated according to the new maximum PPDU duration of 10.968ms. The max PSDU length is computed as: (((2^12 - 1) + 3)/3\*8 - 6\*8)/8 \* 1440 / 8 = 244800 octets and the corresponding maximum number of data symbols is (((2^12 - 1) + 3)/3\*8 - 6\*8)/8 = 1360.  *TGbd Editor: Please make the following changes:*  *in Table 32-19—NGV PHY characteristics in Section 32.4.4 (NGV PHY) of D2.0:*  *- update aPSDUMaxLength value from “121 320 octets (see NOTE 1)” to “244 800 octets (see NOTE 1) in P119L35.*  *- update the number of data symbols in NOTE 1 from 674 to 1360 in P119L40.* |