IEEE P802.11  
Wireless LANs

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| Comment Resolution subclause 5.2.4 | | | | |
| Date: 2021-08-26 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | NXP |  |  |  |
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Abstract

This submission resolve the following comments for subclause 31.6 of 802.11bd D2.0:

* 2139, 2140, 2141, 2249, 2251

Revisions:

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 TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

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| **CID** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 2139 | 24 | 5 | Replace "data rate/MCS" with "data rate/NGV MCS index" and subsqeuent occurences in this subclause | as in comment | Revised  Note: the proposed change of CID 2140 covers CID 2139. No further change is needed. |
| 2140 | 22 | 18 | The paragraph starting on line 13 is addressing two things. First, if Clause 17 Non-NGV PPDU is used, it uses the data rate as no MCS index is defined for Clause 17 10 MHz PPDUs. Second, if an NGV PPDU is used, the data rate is ambiguous see Clause 32.5. Hence a combination of the NGV-MCS Index, channel width and number of spatial streams must be used to specifiy the specific PHY transmission mode. Therefore, the paragraph should be changed as follows: The data rate/NGV MCS index member indicates the data rate of the PPDU carrying the MSDU if the PPDU format has value 0. The data rate can be either 0 (decided by MAC layer), 3, 4.5, 6, 9, 12, 18, 24, or 27 Mb/s according to Table 17-4. If the PPDU format has value 1, the data rate/NGV MCS index member indicates the NGV MCS index. The NGV MCS index is defined in 32.5 (Parameters for NGV-MCSs). | as in comment | Revised  TGbd editor to replace paragraph @ P24L17 with “The data rate/NGV-MCS member indicates the data rate of the PPDU carrying the MSDU if the PPDU format has value 0. The data rate can be either 0 (decided by MAC layer), 3, 4.5, 6, 9, 12, 18, 24, or 27 Mb/s as defined in Table 17-4. If the PPDU format has value 1, the data rate/NGV MCS member indicates the NGV-MCS index as defined in 32.5 (Parameters for NGV-MCSs) with an exception that the value 14 means the actual MCS is decided by MAC layer” |
| 2141 | 24 | 46 | The RSSI value in Table 5-3 ranges from "0 to 30" and the reserved values from "91 to 127". There is a gap from "31 to 90". To remove the gap, replace "30" with "90". | as in comment | Revised  TGbd editor to change 30 to 90 in RSSI column of Table 5-3.  TGbd editor to replace “The RSSI, in units of dBm, is -110 + Fval, where Fval  is the subfield value” with “The RSSI, in units of dBm, is -110 -0.3 + Fval, where  Fval is the subfield value” |
| 2249 | 23 | 64 | There is an inconsistency about the words "is present" and "shall be present" in sentences that should be consistent. Each of clauses 5.2.3, 5.2.4, and 5.2.5, includes one sentence indicating when the relevant radio environment vector is included in the primitive. In clauses 5.2.3 and 5.2.5 the wording is "This parameter is present when", but in 5.2 4 the wording is "This parameter shall be present when". I believe the wording should use "is present" rather than "shall be present" | Change "This parameter shall be present when" to "This parameter is present when" | Accepted |
| 2251 | 24 | 46 | The range of RSSI value reportable in the radio environment status vector is currently limited to -110 to -80 dBm. I think this may be a mistake. There are 60 code values unaccounted for in Table 5-3. These should be used to extend the range up to -20 dBm. Furthermore, it is possible, though unlikely for an RSSI to be above the maximum value in the range, so one of the values should be open-ended to represent "at least". | In table 5-3, change "0 to 30" to "0 to 89". Add a row to the table for RSSI value 90 and in the description enter "The RSSI is at least -20 dBm". | Revised  See 2141 |