IEEE P802.11  
Wireless LANs

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| --- | --- | --- | --- | --- |
| LB254 Comment Resolution for 11bd D2.0 Clause 31.4 and 32 | | | | |
| Date: 2021-11-09 | | | | |
| Author(s): | | | | |
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Abstract

This submission discusses resolutions to the following 2 CIDs from WG LB 254 of TGbd D2.0 related to Clause 31.4 and 32.

Th CID list is: 2166, 2281

Proposed changes in this document are with reference to TGbd D2.1.

Revisions:

* Rev 0: Initial version of the document
* Rev 1: Removed N/A option from CFNTB as in 11az D4.0

Proposed comment resolution

Presented and discussed, no open discussion points

Under discussion

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2166 | 59.42 | Subclause 31.4 defines optional features for NGV such as NGV ranging based on non-TB ranging, FTM outside the 5.9 GHz band, or FTM outside the 5.9 GHz band with PASN. However, no corresponding entries in the Tables in Annex B exist. Please add corresponding entries into the Tables in Annex B. | as in comment | Revised  Agree with the comment.  After reviewing Annex B of 802.11-2020 and 11az D4.0, CFNTB and NGPM4.1 are updated to include in the status column CFNGV. Further, NGV5.1 is introduced for NGV ranging NDP requiring CFNTB.  **TGbd editor:**  Please incorporate the changes in <https://mentor.ieee.org/802.11/dcn/21/11-21-1790-01-00bd-lb254-comment-resolution-for-11bd-d2-0-clause-31-4-and-32.docx> |
| 2281 | 93.47 | "DCM and BPSK modulation". The terminology varies quite a bit throughout the draft. In several other sections (for example, 32.3.11-1-4), it's "BPSK modulation with DCM". It would be clearer to adopt a single term. | Change "DCM and BPSK modulation" to "BPSK modulation with DCM". | Revised  As proposed by CID 2064 and 802.11be D1.1 all occurences are replaced with “BPSK-DCM”  Similar comments 2064, 2282  **TGbd editor:**  Please see CID 2064 |

Add text

~~Remove text~~

# Proposed resolution:

***Change the table in B.4.3 as follows (not all rows are shown):***

**B4.3 IUT configuration**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | IUT configuration | References | Status | Support |
| CFNTB | Support for FTM Non TB sounding | 11.21.6.4.4 (Non-TB ranging measurement exchange) | CFHE:O  CFNGV:O | Yes □ No □ |

***Change the table in B.4.37 as follows (not all rows are shown):***

**B.4.37 Next Generation Positioning (Ranging) features  
B.4.37.1 NGP MAC Features**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Protocol capability | References | Status | Support |
| NGPM4.1 | non-TB ranging exchange | 11.21.6.4.4 (non-TB ranging measurement exchange) | CFNTB:M (CFHE or CFNGV):M | Yes □ No □ N/A □ |

***Add at the end of table in B.4.38.1 a new row as follows:***

**B.4.38 NGV features  
B.4.38.1 NGV PHY features**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Protocol capability | References | Status | Support |
| NGV5 | NGV ranging NDP | 32.3.15 (NGV Ranging NDP) | CFNTB:M | Yes □ No □ N/A □ |