IEEE P802.11  
Wireless LANs

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| 802.11  [LB253 CR for various comments by TGaz]  (relative to P802.11az/D3.0) | | | | |
| Date: 2021-03-24 | | | | |
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**Abstract**

This submission contains proposals to resolve LB#253 CIDs 5000, 5003, 5004, 5005, 5006, 5009 (6 CIDs total).

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| **CID** | **Page/**  **Line** | **Clause** | **Comment** | **Proposed change** | **Resolution** |
| 5000 |  | 6.3.56.1 | Add the word 'reporting' before the word 'capture' in the description of Figure 6-17b and 6-17c as part of NOTE 1, NOTE 2 and NOTE 3. | As per comment | Accept |
| 5003 | 44.18 | 9.3.1.19 | Change 'is' to 'as' | As per comment | Accept |
| 5004 | 44.24 | 9.3.1.19 | Change the text in phrase '2044,: is shown' to '2044 as shown' | As per comment | Accept |

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| 5005 | 46.14 | 9.3.1.22.1 | Table 9-30j under description for values 0-90dBm, we would need to include transmit power corresponding to MCS 0 for Ranging NDP as well. | Similar to the max power case, add' Indicates to the STA to transmit an HE Ranging NDP or HE TB Ranging NDP response at the given transmit power corresponding to its transmit power for MCS 0 if the Trigger frame is a Ranging Trigger frame with Sounding or Secured Sounding or Passive TB Measurement Exchange subvariant.' | Revise.  1. The referred table in 11az is table 9-30j but changes to 11ax D8.0 moved the reference to be 9-29j in.  Furthermore, since original P802.11az D3.0 changes, further modifications to the 11ax text were done.  2. Also the WG editor instructions in P802.11az D3.0 needed a clean up to not refer to specific 11ax draft revision.  3. The comment request to refer the expected receive power at the receiver to the maximum available per MCS, however since the receiver has no information as to what is the maximum transmit power per MCS this is not possible, this is an 802.11ax operation, 802.11az is no different in this respect.  TGaz Editor make the changes depicted below by submission https://mentor.ieee.org/802.11/dcn/21/11-21-0533-01-00az-tgaz-LB253-CR.docx |

**Resolution:**

TGaz Editor make the following changes to P802.11az D3.0:

***Modify the Table 9-30j as follows(#1615):***

1. Table 9-29j—UL Target RSSI subfield encoding *(#1615)*

|  |  |
| --- | --- |
| **UL Target RSSI subfield** | **Description** |
| 0–90 | The expected receive signal power, in units of dBm, is  *Targetpwr* = –110 + *Fval*, where *Fval* is the subfield value |
| 91–126 | Reserved |
| 127 | The STA transmits the HE TB PPDU at the STA’s maximum  transmit power for the assigned HE-MCS.  If the HE TB PPDU is an HE Ranging NDP or HE TB Ranging NDP, indicates to the STA to transmit HE TB PPDU at a transmit power corresponding to its maximum transit power for MCS0.  NOTE—The expected receive signal power is then the  STA's maximum transmit power for the assigned  HE-MCS minus the path loss. |

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| **CID** | **Page/**  **Line** | **Clause** | **Comment** | **Proposed change** | **Resolution** |
| 5006 | 47.26 | 9.3.1.22.10 | Change term 'Passive TB Measurement Exchange' to 'Passive TB Sounding' throughout the document including table 9-30ka and description of Figure 9-64llb as it's meant to be for sounding only and not all Trigger frames in the Passive TB Measurement Exchange? | As per comment | Accept.  Note to Editor: there are 15 such occurrences for replacement. |
| 5237 | 46.14 | 9.3.1.22.1 | In Table 9-30j (UL Target RSSI subfield encoding), in the last line, "Passive TB Measurement Exchange subvariant" should be "Passive Sounding subvariant. Though we need to change everywhere in the draft when we refer to this subvariant. | As per comment. | Revised.  Agree with the commenter.  TGaz Editor replace all occurrences of "Passive TB Measurement Exchange subvariant” with 'Passive TB Sounding subvariant’. |

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| 5009 | 56.20 | 9.4.2.21.10 | Describe the subfield 'DL AOD Request' as it is not included in the description text. | As per comment | Revise.  Agree in principle with the commenter, the AOD Request field does not have associated normative text or field description and seems to be a leftover. Discussion in the group recommended removal of the field.  TGaz editor make the changes depicted below by submission https://mentor.ieee.org/802.11/dcn/21/11-21-0533-01-00az-tgaz-LB253-CR.docx |

**Resolution:**

**TGaz Editor make the following changes to P802.11az D3.0:**

**note also missing underline on top of page 57 just prior to Figure 9-256c (highlighted yellow below for ease of identification) and duplicate ‘indicate’ deleted.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Subelement ID | Length | Antenna Information |  | Antenna Placement and Calibration |
| Octets: | 1 | 1 | 1 |  | NTx\_sel x 6 |

1. Figure 9-256b—Antenna Platform and Calibration subelement format

The Subelement ID field is equal to the value for Antenna Placement and Calibration in Table [9-134](#T09o134) (Subelement IDs for Antenna Placement and Calibration).

The Length field is defined in 9.4.3 (Subelements).

The Antenna Information field is formatted as shown in Figure [9-256c](#F09o256c) (Antenna Information field format), where the Number of Selected Antenna subfield indicates the total number of the antennas selected for transmission minus one. The total number of the antennas selected for transmission is denoted as NTx\_sel, as shown in Figure [9-256c](#F09o256c) and Figure [9-256d](#F09o256d). (#**3850**, #**3851**, #**3852**).