IEEE P802.11Wireless LANs

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| Proposed Resolutions to a Few REVme SB3 Ranging Comments  |
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Abstract

This submission proposes the resolutions to a few 802.11-REVme SB3 ranging comments.

The page and line numbers refer to those in 802.11-REVme/D6.0 [1].

**Introduction**

This submission proposes the resolutions to 802.11-REVme SB3 ranging comments CID-8085 and 8086.

The page and line numbers refer to those in 802.11-REVme/D6.0 [1].

**Comment:**

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Commenter | Page.Line | Clause | Comment | Proposed change | Resolution |
| 8085 | Ajami, Abdel Karim | 2768.24 | 11.21.6.4.8.4 | "The passive TB ranging measurement reporting follows the same rules and procedures for the measurement reporting for TB ranging described in 11.21.6.4.3.4 (Reporting phase of TB ranging (11az)), unless explicitly stated otherwise." otherwise." For passive TB Ranging sequence (polling, measurement and reporting), it is unclear what PPDU types, BSS\_Color and AID/RSID are used for trigger ranging poll, passive ranging sounding trigger, NDPA and NDPs. Similar problems exist for the TB and NTB ranging where the PPDU types, BSS\_Color and AID/RSID of some ranging frames are unspecified, especially for the unassoicated case. | Please clarify and specify the behaviors. | Revised. Agree with the commenter in principle, and text clarification is needed. TGbk editor: Please incorporate the proposed text change tagged with 8085 in this document. |
| 8086 | Ajami, Abdel Karim | 2769.31 | 11.21.6.4.8.4 | "The RSTA shall send the Primary and Secondary RSTA Broadcast Passive TB Ranging Measurement Report frames, the Primary a SIFS time after receiving the ISTA Passive TB Ranging Measurement Report frames from the ISTA and the Secondary a SIFS following the Primary; see Figure 11-73 (Passive TB ranging Measurement Reporting phase(11az))." It is unclear what PPDU type, BSS\_Color and AID/RSID are used to transmit these Primary and Secondary RSTA Broadcast passive TB Ranging Measurement Report frames. In particular, due to its broadcast nature, if they are transmitted in HE/EHT PPDUs, the "MU" flavor of HE/EHT PPDUs doesn't look to provide technical advantage to the"SU" flavor of them, so it may help reduce complexity by leaving out the "MU" flavor. | Please clarify and specify the behaviors. | Revised. Agree with the commenter in principle, and text clarification is needed. TGbk editor: Please incorporate the proposed text change tagged with 8086 in this document. |

**11.21.6.4.3 TB ranging measurement exchange**

**11.21.6.4.3.1 General**

**…**

***TGme editor: Please insert the following text after P2732 L8 per 11REVme\_D6.0 as shown below.* (#8085, 8086)**

Within each availability window, an RSTA shall use an AID or Ranging Session ID (RSID) to identify an associated or unassociated ISTA respectively. The AID and RSID assignment shall be nonconflicting and shall have the same size and valid address space (as defined in 9.4.1.8 and 26.17.4). The RSID usage shall follow the same rules as that of AIDs for HE operations. The RSIDs are assigned to unassociated ISTAs during the FTM negotiation; see 11.21.6.3 (FTM procedure negotiation).

NOTE: For an HE PPDU or an EHT PPDU addressed to an unassociated STA, the STA\_ID, if needed, is set to RSID, and the BSS\_COLOR parameter of the PPDU is set to the value indicated in the BSS Color subfield of the HE Operation element transmitted by the RSTA. (#8085, 8086)

**11.21.6.4.4 Non-TB ranging measurement exchange**

**…**

***TGme editor: Please insert the following text after P2740 L24 per 11REVme\_D6.0 as shown below.* (#8085, 8086)**

**11.21.6.4.4.1 General**

In Non-TB ranging, the protocol operates in an ISTA centric scheduling FTM mode; whenever the medium is available, an ISTA may initiate the measurement. The RSTA can only limit the frequency with which the ISTA can initiate measurements, by setting a minimum time interval between subsequent range measurements.

NOTE: For an HE PPDU or an EHT PPDU addressed to an unassociated STA, the STA\_ID, if needed, is set to RSID, and the BSS\_COLOR parameter of the PPDU is set to the value indicated in the BSS Color subfield of the HE Operation element transmitted by the RSTA. (#8085, 8086)

**References**

[1] IEEE P802.11-REVme™/D6.0, Draft standard for information technology – Telecommunications and information exchange between systems local and metropolitan area networks – Specific requirements Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications