IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | LB 275 CR for CIDs on NDPA frame format | | | | | | Date: 2023-09-12 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Mahmoud Kamel | InterDigital |  |  | mahmoud.kamel@interdigital.com | | Hanqing Lou | InterDigital |  |  |  | | Rui Yang | InterDigital |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for 4 CIDs (19649, 19545, 19361, 19352) in subclause 9.3.1.19 in P802.11be D4.0:

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 19649 | 10.6.6.1 | 339.26 | Delete "VHT/HE" in "VHT/HE NDP Announcement frame". | As in comment | **Accept** |
| 19545 | 9.3.1.19.3 | 0.00 | The proposed changes to Disabled from Disallowed (2 places) aren't consistent with Figure 9-75i (which still uses Disallowed) |  | **Revise**  The proposed change is adopted, and the figure is changed  TGbe editor: please incorporate changes shown in 11-23/1614.r0 below under the tag (#19545). |
| 19361 | 9.3.1.19.1 | 145.48 | "the STA Info field is addressed" could be expressed better since the STA Info field contains an AID which is generally understood as an ID not an address. | Try "f the NDP Announcement frame is not a Ranging variant, the STA Info field is addressed to an associated STA whose AID is equal to the value in the AID11 subfield. If the NDP Announcement frame is a Ranging variant, the STA Info field \*identifies\* an unassociated STA or an associated STA whose RSID/AID is equal to the value in the RSID11/AID11 subfield" | **Reject**  The term “addressed” has been used in this subclause many times and similarly in other subclauses where other forms of AIDs are used to identify the STAs/Users (e.g., Trigger frame). In general, I don’t see a problem with the term “addressed” since it conveys the intended meaning with no confusion. If, however, the group sees a need to replace this term with another term, a global change to the entire subclause would be recommended. |
| 19352 | 9.3.1.19.4 | 152.64 | Inconsistent treatment of extra 0s in Feedback Bitmap. At P152L54, the bitmap is fully populated "The Feedback Bitmap subfield indicates the request of each resolution bandwidth from the lowest frequency to the highest frequency", but at P152L64, P153 L4&L10 these bits are reserved but in Table 9-42f at P153L48, these bits are set to specific values (i.e., 0) rather than being reserved. So are these bits reserved or assigned? Furthermore writing of para at P152L52 can be improved since a) two fields are described in hte same para, "the request" but no prior request, "request of each res BW" reads oddly, ; example re B1 is weaker than it needs to be, B! doesn't indicate the lowest res BW (it indicates if feedback was requested for that res BW), no mention of trailing zeros. | At P152L52, try "The Resolution subfield in the Partial BW Info subfield indicates the resolution bandwidth for each bit in the Feedback Bitmap subfield. <new para> The Feedback Bitmap subfield lists whether feedback is requested for each resolution bandwidth and is ordered from lowest frequency to highest frequency, followed by zeros. A bit in the Feedback Bitmap subfield set 1 indicates that feedback is requested for the corresponding resolution bandwidth; and so B1 set to 1 indicates a request for feedback for the lowest resolution bandwidth." Following Table 9-42f, at P152L64, P153L4, P153L10 delete "are reserved and" (since these bits are just being set to 0 ... if we want them to be reserved then they should be marked as reserved in table 9-42f rather than be set to 0) | **Revise**  The suggestions to reorganize the paragraph and improve the readability is adopted partially and the changes have been made accordingly.  For the “reserved” issue, it is stated implicitly that the bits corresponding to the unrequested subchannels for feedback “ are reserved and set to 0.”  TGbe editor: please incorporate changes shown in 11-23/1614.r0 below under the tag (#19352). |

B0 B10 B11 B18 B19 B26 B27 B28 B31

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | AID11 | Disabled (#19545) Subchannel Bitmap | Reserved | Disambiguation | Reserved |
| Bits: | 11 | 8 | 8 | 1 | 4 |

**Figure 9-75i—STA Info subfield format in an HE NDP Announcement frame if the AID11 subfield is 2047**

***TGbe editor: please make the following change in subclause 9.3.1.19.4, P152L52 in 11be D4.0***

The Resolution subfield in the Partial BW Info subfield indicates the resolution bandwidth for each bit in the Feedback Bitmap subfield.

The Feedback Bitmap subfield lists whether feedback is requested for each resolution bandwidth and is ordered (#19352) from the lowest frequency to the highest frequency with B1 indicating the lowest resolution band­width. Each bit in the Feedback Bitmap subfield is set to 1 if the feedback is requested on the corresponding resolution bandwidth.