IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | LB 271 CR for CIDs on NDPA frame format – Part 2 | | | | | | Date: 2023-07-11 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Mahmoud Kamel | InterDigital |  |  | mahmoud.kamel@interdigital.com | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for 10 CIDs 17416, 18333, 17150, 17151,17418, 17419, 15757, 17420, 17421, 18003 in subclause 9.3.1.19 in P802.11be D3.0:

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

## CIDs: 17416

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 17416 | 9.3.1.19.1 | 160.08 | "addressed in the only STA Info field" could be expressed better since the STA Info field contains an AIDnn which is generally understood as an ID not an address. Also it is already clear that there is only one STA Info field. | Try "... contains a single STA Info field ... identified by the STA Info field" | **Reject**  The text referred to in the comment is clear and no need to change it. Also, it is not clear how the proposed change would fit in the current text. |

## CIDs: 18333

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 18333 | 9.3.1.19.1 | 0.00 | Current NDPA version indication doesn’t allow any future version. Do we want to specify something regarding forward compatibility of NDPA, so EHT STA can distinguish it from EHT NDPA? | open for discusssion, one option is to define a part of sounding dialog token values as a restricted and use them to indicate future version | **Reject**  The comment opens an important discussion related to the forward compatibility of the NDPA frame design which is better left to the next generation (UHR). However, the proposed change does not specify a specific change that can be implemented in the current draft. |

## CIDs: 17150, 17151

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 17150 | 9.3.1.19.3 | 163.64 | In Table 9-43 (STA Info subfields) of REVme\_D1.3, the field related to Nc is "Nc Index". So, "Nc subfield" here should be "Nc Index subfield". | as in comment | **Accept** |
| 17151 | 9.3.1.19.3 | 164.01 | In Table 9-43 (STA Info subfields) of REVme\_D1.3, the field related to Nc is "Nc Index". So, "Nc subfield" here should be "Nc Index subfield". | as in comment. The same issue in P164L7 | **Accept** |

***TGbe editor: please make the following change in subclause 9.3.1.19.3, P172L33 in D3.2.***

In an HE NDP Announcement frame that has more than one STA Info field with a value other than 2047 in the AID11 (#17254)subfield, the RA is a broadcast address and the following applies to each STA Info (#17254)field with a value other than 2047:

—If the Feedback Type And Ng subfield indicates SU or MU, the Nc Index (#17150) subfield indicates the number of columns in the compressed beamforming feedback matrix minus one,

—If the Feedback Type And Ng subfield indicates CQI, the Nc Index (#17151) subfield indicates the number of space-time streams in the CQI report minus one,

In an HE NDP Announcement frame with a single STA Info field, the RA is an individual address, the AID11 (#17255)subfield in the STA Info field has a value other than 2047, and the Nc Index (#17151) subfield is reserved.

## CIDs: 17418, 17419

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 17418 | 9.3.1.19.4 | 165.19 | Language and table name are inelegant "AID11 subfield encoding in NDP Announcement frame is defined in Table 9-45a (AID11 subfield encoding in an NDP Announcement frame)" | Try "The encoding of the AID11 subfield in an NDP Announcement frame is defined in Table 9-45a (Encoding of AID11 subfield in an NDP Announcement frame)" | **Revise**  Agree in principle with the comment, The proposed text is reflected to the draft with some editorial changes and a reference to the new table number in D3.2.  TGbe editor: please incorporate changes shown in 11-23/1268r0 below under the tag (#17418). |
| 17419 | 9.3.1.19.4 | 165.35 | Two apparently unrelated sentences would be clearer if the conditon was positioned first in each sentence. Also, insert "the" | Try "If 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 is addressed to an unassociated STA or an associated STA whose RSID/AID is equal to the value in the RSID11/AID11 subfield" | **Accept** |

***TGbe editor: please make the following change in subclause 9.3.1.19.1, P166L24 in D3.2.***

The encoding of the AID11 subfield in the NDP Announcement frame is defined in Table 9-42a (Encoding of AID11 subfield in an NDP Announcement frame). (#17418)

**Table 9-42a—Encoding of AID11 subfield in an NDP Announcement frame** (#17418)

## CIDs: 15757

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 15757 | 9.3.1.19.4 | 166.54 | When BW is 160MHz, feedback on a 2x996 RU tone was missed. Add the description for this case. | As in comment | **Reject**  The description is written in a simple way to cover all Feedback RU or MRU. By combining the description given for B1-B4 to that of B5-B8 you can determine all the combinations allowed as further listed in (Table 9-42f—Settings for BW, Partial Bandwidth Info subfield in the EHT NDP Announcement frame) and including the 2x996 RU. If we need to include a description for this case so we may need also to include descriptions for so many cases not explained explicitly in the respective paragraph as referred to by the comment. |

## CIDs: 17421

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 17421 | 9.3.1.19.4 | 166.64 | " set the Resolution bit B0 to 1" is procedural language out of place in clause 9. Also, fields not bits. | Try "the Resolution subfield (B0) is set to ..." | **Accept** |

## CIDs: 17420

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 17420 | 9.3.1.19.4 | 166.35 | Value of 0 is undefined; also spurious "the". But, worse, P166L33-36 doesn't fully align with P166L38-L167L12. E.g., P166L64-P167L1 report a more nuanced meaning for the bitmap. | Avoid conflicting language: try "The Resolution subfield in the Partial BW Info subfield indicates the resolution bandwidth for each \*non-reserved\* bit in the Feedback Bitmap subfield. The Feedback Bitmap subfield indicates the request of each resolution bandwidth from the lowest frequency to the highest frequency \*followed by reserved bits\*, with B1 indicating the lowest resolution bandwidth. Each bit in the Feedback Bitmap subfield is set to 1 if feedback \*associated with the indicated resolution bandwidth is requested as described in the remainder of this section\*. | **Revise**  Agree in principle with the comment. The proposed text is adopted with some editorial changes.  TGbe editor: please incorporate changes shown in 11-23/1268r0 below under the tag (#17420). |

***TGbe editor: please make the following change in subclause 9.3.1.19.4, P174L1 in D3.2.***

The Resolution subfield in the Partial BW Info subfield indicates the resolution bandwidth for each non-reserved (#17420) bit in the Feedback Bitmap subfield. The Feedback Bitmap subfield indicates the request of each resolution band­width from the lowest frequency to the highest frequency followed by reserved bits (#17420) with B1 indicating the lowest resolution band­width. Each bit in the Feedback Bitmap subfield is set to 1 if the feedback associated with the indicated resolution bandwidth is requested as described in the remainder of this section (#17420).

## CIDs: 18003

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 18003 | 9.3.1.19.4 | 166.62 | It's not a complete sentence. Pls revise | As in comment | **Reject**  The comment does not specify a specific change to the text. |