IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB 272 Comment Resolution – Part II | | | | |
| Date: 2023-06-20 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Osama Aboul-Magd | Huawei Technologies |  |  | oamagd@gmail.com |
|  |  |  |  |  |

Abstract

This submission cont ains proposed resolution for the following CIDs

1855, 1902, 2069, 2131, 2186, 2189, 2206, 2266

Reference draft: Draft 1.0

R0: Initial document

R1: added CID 2186

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1855 | 9.3.1.19.1 | 71.33 | There is no difference between the configurations that indicates the NDP variant in the last two rows of the Table 9.42b | Differentiate between the configuration for a Sensing NDP Announcement frame in a TB sensing measurement instance and that in a non-TB sensing measurement instance | **Rejected**  Table 9.42b is about NDPA not NDP as stated in the comment. There is no need to differentiate between NDPA for TB and for non-TB sensing measurements since the same frame is used in both cases. |
| 1902 | 9.3.1.19.5 | 71.61 | The use of ";" to initiate an explanation is not consitent with how it is done in other places where the explanation or refence is put in parantheses. | rewrite as ...is part of (see 11.55.1.5.2 (TB sensing measurement instance) and 11.55.1.5.3 (Non- TB sensing measurement instance)), which would be consistent with how it is done in other places. | Instance ID that this transmitted Sensing NDP Announcement frame is part of; see 11.55.1.5.2 (TB sensing measurement instance) and 11.55.1.5.3 (Non-  TB sensing measurement instance).  **Accepted** |
| 2069 | 9.3.1.19.1 | 74.03 | '... of the corresponding sensing measurement instance' should be '... of the corresponding sensing measurement instance(s)'. | As in comment. | In the STA Info field with AID subfield equal to 2045, bit B31 is set to 1 to indicate that the frame is a Sensing NDP Announcement frame, and bits B28 through B30 are set to the Measurement Setup ID of the corresponding  sensing measurement instance.  I am not sure why instance(s) is needed here  **Rejected** |
| 2131 | 9.3.1.19.5 | 73.01 | The SR2SI Rep subfield should be reserved in an NDPA sounding phase. | Replace the paragraph with following. If the bandwidth of the PPDU carrying the Sensing NDP Announcement frame is less than or equal to 160 MHz, the SI2SR Rep subfield is set to the number of HE-LTF repetitions of the corresponding HE Ranging NDP minus 1 (see 27.3.18a.1 (HE Ranging NDP)). If the SI2SR Rep subfields is equal to 0, then there is no HE-LTF repetition in the SI2SR NDP subfield. | If the bandwidth of the PPDU carrying the Sensing NDP Announcement frame is less than or equal to 160 MHz, the SR2SI Rep and SI2SR Rep subfields are set to the number of HE-LTF repetitions of the corresponding  HE Ranging NDP minus 1 (see 27.3.18a.1 (HE Ranging NDP)). If the SI2SR and SR2SI Rep subfields  are both equal to 0, then there is no HE-LTF repetition in the SI2SR and SR2SI NDP subfields,  respectively.  **Rejected**  SR2SI Rep subfield is also used in sounding for non-TB case |
| 2186 | 9.3.1.19.5 | 72.03 | For Sensing NDPA, "less than 2008" and "equal to or less than 2007" are used interchangeably to specify AID 11. Please choose one of them for consistency. | As in the comment | **Revised**  Replace less than or equal to 2007 by less than 2008 allover the draft |
| 2189 | 9.3.1.19.1 | 71.33 | In Table 9-42b, the last two row entries refer to identical conditions, but they lead to different NDPA variants. It is a bit confusing. Instead, we could use one row entry to indicate both NDPA variants, e.g., as in "TB/non-TB". | As in the comment | Agree with the commenter.  TGbf Editor:  Please make changes related to CID 2189 below  **Revised** |
| 2206 | 9.3.1.19.5 | 73.30 | Please clarify the STA Info field with AID=2044 is present or not in a NDPA frame when the polling phase is not present in a measurement instance. | As in the comment | **Rejected**  The sentence is clear the way it is written.  The STA Info field with AID11 subfield equal to 2044 is used in TB sensing measurement instances (see  11.55.1.5.2 (TB sensing measurement instance)) to carry the Partial TSF subfield. The Partial TSF subfield contains 16 bits of the AP’s TSF time, TSF[21:6], if the AP that transmitted the Sensing Poll Trigger frame that preceded the Sensing NDP Announcement frame carrying this STA Info field with AID subfield is  equal to 2044. |
| 2266 | 9.3.1.19.5 | 73.32 | Can arbitrary values set in Partial TSF and token fields if there is no polling phase? Will a responder with Poll Assigned=0 interpret these fields? | clarify the setting when there is no polling phase, and clarify the responder behavior if Poll Assigned=0 | **Rejected**  Clause 9 is about frame format. Any behaviour description should be in a different clause (maybe clause 11) |

**CID 2189**

|  |  |  |
| --- | --- | --- |
| * **Ranging NDP Announcement frame and Sensing NDP Announcement frame encoding** | | |
| **Presence of STA Info field with AID subfield equal to 2045** | **B31 in the STA Info field with AID subfield equal to 2045** | **NDP Announcement frame variant** |
|
|
| N/A | N/A | Ranging NDP Announcement frame in TB ranging exchange |
| Yes | Reserved | Ranging NDP Announcement frame in non-TB ranging exchange |
| Yes | Set to 1 | Sensing NDP Announcement frame in TB/non-TB sensing measurement instance |
| ~~Yes~~ | ~~Set to 1~~ | ~~Sensing NDP Announcement frame in non-TB sensing measurement instance~~ |

**References:**