IEEE P802.11  
Wireless LANs

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| LB281 CR for 11.55.1.5.2 TB sensing measurement exchange | | | | |
| Date: 2024-1-24 | | | | |
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Abstract

This submission proposes resolutions for CID 4164, 4166, 4173, 4258, 4282, 4283, 4293 received for TGbf LB281

Revisions:

- Rev 0: Initial version of the document.

- Rev 1: Resolution column for CID4173 was changed.

- Rev 2:

- Rev 3:

TGbf editor: The baseline for this document is basically 11bf D3.0

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4164 | Alireza Raissinia | 148.38 | Change the text "shall follow the same rules as those of associated HE STAs, as described in 27.3.15 (Transmit requirements for PPDUs sent in response to a triggering frame)/" to | shall follow the same rules as those of associated HE STAs, as described in 27.3.15 (Transmit requirements for PPDUs sent in response to a triggering frame) and associated EHT STAs, as described in 36.3.16 (Transmit requirements for PPDUs sent in response to a triggering frame). | Accepted. |
| 4166 | Alireza Raissinia | 151.25 | Change the text "The combination of the values  of the SI2SR NSTS and the SI2SR Rep shall not lead to a total number of HE-LTFs transmitted as part of the HE Ranging NDP transmission that exceeds the total number of HE-LTFs the corresponding STA is capable of receiving, as signaled in the Sensing Capabilities element." to | The combination of the values of the SI2SR NSTS and the SI2SR Rep shall not lead to a total number of LTFs transmitted as part of the HE/EHT Ranging NDP transmission that exceeds the total number of LTFs the corresponding STA is capable of receiving, as signaled in the Sensing Capabilities element. | Revised.  Basically accepted and made slight change after some discussion with commenter.  See proposed text below <DCN 24/0207r1> |

*CID4166:*

*TGbf Editor: Please modify P151L23 as follows: The baseline for this document is 11bf D3.0*

In the Sensing NDP Announcement frame, the AP shall set the values of the SI2SR NSTS field and the

SI2SR Rep field within the STA Info fields corresponding to each of the STAs addressed by that frame to be

less than or equal to aSensingSRRXSTS and aSensingSRRXRep, respectively. The combination of the values

of the SI2SR NSTS and the SI2SR Rep shall not lead to a total number of ~~HE-~~LTFs transmitted as part of the

HE Ranging NDP or EHT Ranging NDP transmission that exceeds the total number of ~~HE-~~LTFs the corresponding STA is capable

of receiving, as signaled in the Sensing Capabilities element.

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4173 | Alireza Raissinia | 212.25 | Change the text "received EHT sounding NDP (see 9.4.1.73.2 (CSI encoding and decoding))" to | received EHT Ranging NDP (see 36.3.4.1 (EHT Ranging NDP) or EHT TB Ranging NDP (36.3.4.2 (EHT TB Ranging NDP). | Revised.  TGbf Editor make changes specified in <DCN 24/0137r3> |
| 4258 | Dong Wei | 146.26 | The phrase "sensing availability window" is used in the note before it is defined. | Move the 7th and 8th paragraphs (from P146L61 to P147L3) of this clause before the note | Rejected.  "sensing availability window" appears before its definition as commenter pointed out, but it is in NOTE and the definition is found in same clause. So keep it as it is. |
| 4282 | Liuming Lu | 147.24 | As Figure 11-102c (Example of a TB sensing measurement exchange) shows an example, move the content of this paragraph to Annex AD may be appropriate. | Suggest to delete the content of the example in 11.55.1.5.2.1 General, and add the content to Annex AD | Rejected.  Checked published Standards ( like IEEE Std802.11-2020) and found many Figures showing example in the specification (not in Annex) and those title has the word “example”. And Figure 11-102c help to understand in this context. So no modification is required. |
| 4283 | Liuming Lu | 147.30 | the use of CTS-to-self frame seems to be inappropriate as this frame is used to respond to AP. | Suggest to change "CTS-to-self frame" to "CTS frame" | Rejected.  Using CTS-to-self instead of CTS is for AP to identify non-AP STA that is ready to participate. This polling protocol design was specified in 11az and 11bf reuse it. |
| 4293 | Chris Beg | 148.44 | In the list of references, the "and" should be "and/or", since all phases may not be relevant to a given exchange. | Change "and" to "and/or" | Revised.  Basically accept commenters’s Proposed Change. Additionally change “the Partial TSF subfield” to “the Partial TSF field” to align with the other part in D3.0.  <DCN 24/0207r1> |

*CID4293:*

*TGbf Editor: Please modify P148L41 as follows: The baseline for this document is 11bf D3.0*

An unassociated non-AP STA as a sensing responder should synchronize to the AP’s TSF timer using the

Partial TSF ~~sub~~field (see 11.55.1.5.2.3 (NDPA sounding phase), 11.55.1.5.2.4 (TF sounding phase - SR2SI

variant), and/or 11.55.1.5.2.5 (TF sounding phase - SR2SR variant)) to ensure timing alignment with the sensing

availability window.

**SP**

Do you agree to the resolution provided for following CID 4164, 4166, 4173, 4258, 4282, 4283, 4293 to be included in the latest 11bf Draft?