IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for CIDs in 35.7 | | | | |
| Date: 2022-10-04 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Zinan Lin | InterDigital |  |  | [Zinan.lin@interdigital.com](mailto:Zinan.lin@interdigital.com) |
| Mahmoud Kamal | InterDigital |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

##### This submission present proposed resolutions for the following 5 CIDs: 11274, 11275, 11663, 11669, 11670

##### The proposed changes are based on 802.11be/D2.1.1.

##### Revision history:

##### r0 – initial version

r1 – document update based on the comments from teleconference

r2 – typo correction

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 11274 | Sigurd Schelstraete | 35.7.1 | 490.56 | "mechanisms, defined as EHT non-trigger-based (non-TB) sounding and EHT trigger-based (TB) sounding,". Add reference. | E.g. section 35.7.3 or Figure 35-34 and Figure 35-35 | **Revised:**  Add the title of subclause 35.7.3  TGbe editor: please incorporate changes shown in 11-22/1468r2 under the tag 11274 |
| 11275 | Sigurd Schelstraete | 35.7.1 | 491.08 | "EHT TB sounding is also used to obtain SU feedback and CQI feedback." may create the wrong impression that this is the only mechanism. | Change sentence to "EHT TB sounding may also used to obtain SU feedback and CQI feedback." | **Revised.**  Change to  “EHT TB sounding may also be used to obtain SU feedback and CQI feedback” |
| 11663 | Zinan Lin | 35.7.2 | 491.41 | There are only 3 scenarios that exist in the current description. B62, B61 and B60 (in the EHT PHY capabilities Information field) is equal to 0 1 1, or 1 1 1, or 0 0 1. 2 bits are sufficient enough to cover all scenarios instead of 3 bits. For example using B61 and B60 only, 0 0 = An EHT AP that indicates no support for 160 MHz channel width in the HE capbilities element and only suppports BW 80 MHz ;0 1= an EHT AP that is the MU Beamformer (BW = 160MHz); 1 0 = an EHT AP that is the MU Beamformer (BW = 320 MHz) | As comment | **Rejected:**  After discussion with group members, due to very limited new feature which will be added to R1/R2, there is no significant benefit to cut from 3 bits to 2 bits in the EHT PHY Capabilities Information field |
| 11669 | Zinan Lin | 35.7.3 | 504.62 | The paragraph on L33-L37 and the paragraph on L62-L64 are similar | The contents are duplicated. Please remove the paragrah from L62 to L64. | **Revised:** agree in principle with the comment.  Combine P504L33-37 and L62-64.  TGbe editor: please incorporate changes shown in 11-22/1468r2 under the tag 11669 |
| 11670 | Zinan Lin | 35.7.3 | 507.11 | Two "identify" are used in the sentence seems unclear and redundant. | "An EHT beamformer shall not transmit a BFRP Trigger frame that identifies a STA identified in the EHT NDP Announcement frame of an EHT TB sounding sequence unless it is in the same TXOP as the EHT TB sounding sequence." is changed to "An EHT beamformer shall not transmit a BFRP Trigger frame that solicits a STA identified in the EHT NDP Announcement frame of an EHT TB sounding sequence unless it is in the same TXOP as the EHT TB sounding sequence." | **Accepted** |

***TGbe editor: please make the following change in subclause 35.7 in 802.11be/D2.1.1***

P506L8:

(#11274) The EHT sounding protocol provides explicit feedback mechanisms, defined as EHT non-trigger-based (non-TB) sounding (see 35.7.3 (Rules for EHT sounding protocol sequences)) and EHT trigger-based (TB) sounding, where the EHT beamformee measures the channel using a training signal (i.e., an EHT sounding NDP) transmitted by the EHT beamformer and sends back a transformed estimate of the channel state (see 35.7.3 (Rules for EHT sounding protocol sequences)).

P506L26:

NOTE—Use of EHT TB sounding does not necessarily imply MU feedback. (#11275) EHT TB sounding might also be used to obtain SU feedback and CQI feedback.

P519L34:

(#11669) An EHT beamformer that initiates an EHT TB sounding sequence shall transmit an EHT NDP Announcement frame with two or more STA Info fields and the RA field set to the broadcast address. The EHT NDP Announcement frame is followed after a SIFS by an EHT sounding NDP followed after a SIFS by a BFRP Trigger frame.

P519L62

P522L11

(#11670)An EHT beamformer shall not transmit a BFRP Trigger frame that solicits a STA identified in the EHT NDP Announcement frame of an EHT TB sounding sequence unless it is in the same TXOP as the EHT TB sounding sequence.