IEEE P802.11
Wireless LANs

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| LB 271 CR for 35.7.3 and 35.7.2 Part III |
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Abstract

##### This submission present proposed resolutions for the following 2 CIDs:

##### 17071, 17072

##### The proposed changes are based on 802.11be/D3.2.

##### Revision history:

##### r0 – initial version

r1 – update resolutions of CID 17071 and 17072 based on Youhan’s input

r2 – add CID 17630

## CID 17071, 17072

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| **CID** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 17071 | 35.7.3 | 614.29 | "The EHT beamformer shall use the lowest scidx(0), which is the lower bound of the scidx(0)" not clear as to how/what it uses this lowest scidx(0) for | Clarify | Revised. Agree with the comment in principle. The original paragraph does not fit for the EHT beamforming case, where the EHT NDP Announcement frame uses the Partial BW Infor subfield to indicate the solicited subchannel(s) via bitmap. Therefore, it is simplified to one sentence.TGbe editor: make change in THIS DOCUMENT with tag 17071 |
| 17072 | 35.7.3 | 614.32 | "The minimum subcarrier index located within the channel width indicated in the VHT OperationInformation field of either the HE Operation element or the VHT Operation element, whichever ispresent, or within the channel width indicated in the HT Operation element, if present, or 6 GHzOperation Information field of the HE Operation element, if present (see 9.4.2.249 (HE Operationelement) and 9.4.2.311 (EHT Operation element))." -- what if more than one of these is present, and they don't say the same thing? | Clarify | Revised. Agree with the comment in principle.The EHT NDP Announcement frame uses the Partial BW Infor subfield to indicate the solicited subchannel(s) via bitmap. Therefore, the original paragraph is does not fit for EHT beamforming case and simplified to one sentence. Furthermore, Subclause 35.15.1 (P660L7 in 802.be D3.2) indicates that“If a BSS operating channel width is announced in the EHT Operation element, then the announced BSS operating channel width is the EHT BSS operating channel width. If a BSS operating channel width is not announced in the EHT Operation element, (#17128)then:—In (#17128)the 6 GHz band, the HE BSS operating channel width announced in the HE Operation element is the EHT BSS operating channel width—In (#17128)the 5 GHz band, the HE BSS operating channel width announced by the combination of the HT and VHT Operation elements or announced by the combination of the HT and HE Operation elements with VHT Operation Information field is the EHT BSS operating channel width—In (#17128)the 2.4 GHz band, the HE BSS operating channel width announced in the HT Operation element is the EHT BSS operating channel width.” Therefore, the EHT beamformee operating bandwidth setting is added to the NOTE.TGbe editor: make change in THIS DOCUMENT with tag 17072 |

***Tgbe editor: please make the following change in subclause 35.7.3***

***P633L40***

An EHT beamformer that transmits an EHT NDP Announcement frame shall set the Partial BW Info subfield in a STA Info field to indicate the feedback subcarrier indices of the solicited EHT compressed beamforming/CQI report (see 9.3.1.19 (VHT/HE NDP Announcement frame format)). (#17071) An EHT beamformer shall set the Partial BW Info subfield such that the subcarrier indices *scidx*(*i*), *i* = 0, 1, …, *Ns*-1 (see 9.4.1.67), fall within the operating channel width of the corresponding EHT beamformee.

(#17072) NOTE – The operating channel width of the EHT beamformee is determined by the EHT BSS operating channel width (see 35.15.1) and the EHT beamformee’s supported bandwidth modes (as indicated in the HE Capabilities element and EHT Capabilities element), and can further be modified using the operating mode indication (see 35.9).

## CID 17630

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| **CID** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 17630 | 35.7.2 | 598.42 | In the 802.11 arch, the PHY defines its capabilities via MIB variables, and the MAC learns of them from the MIB and advertises them accordingly, In 11be, we made this explicit via section 35.11.3. However 35.7.2 hasn't caught up, and some of the "shalls" in this clause duplicate/collide with PHY shall's. And there are mays that propoerly below in the PHY calsue too. | Review this section for rules that overlap with MIB variables and normative PHY language (see 35.12.3+36.3.3.1.2 ). Specifically, carefully review requirements on MU beamformer and SU Beamformer and move to correct section with xref as required. | RejectedThe comment fails to identify a technical issue. The proposed change fails to identify changes in sufficient detail that would satisfy the comment. |