IEEE P802.11
Wireless LANs

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| LB 271 CR for 35.7.3 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

## 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. First, to get more smooth connection between paragraphs, we move the sentences in P633L52-P634L19 to P633L45 (802.11be D3.2), i.e., after the paragraph starting from P633L40. Secondly, the Partial BW Info field in the STA Info field of an EHT NDP Announcement frame uses bits to indicate the requested sounding subchannels. There is no need to show how the beamformer use the subcarrier index. Therefore, the part of “The EHT beamformer shall use” is deleted.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.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, two NOTEs are added to refer to 35.15.1.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) The lowest subcarrier index *scidx(0) (*see subclause [9.4.1.61](https://protect-us.mimecast.com/s/R-HDCrkWNZc8JyWXf49_5A?domain=9.4.1.61) (EHT Compressed Beamforming report field)) is the lower bound of the subcarrier indices indicated by the Partial BW Info subfield of a STA Info field that is equal to the maximum of:

—The minimum subcarrier index located within the channel width indicated in the VHT Operation Information field of either the HE Operation element or the VHT Operation element, whichever is present, or within the channel width indicated in the HT Operation element, if present, or 6 GHz Operation Information field of the HE Operation element, if present (see 9.4.2.249 (HE Operation element) and 9.4.2.311 (EHT Operation element)).

(#17072) NOTE: Follow the rules defined in 35.15.1(Basic EHT BSS operation) for the EHT BSS operating channel width determination when more than one operation element mentioned above is present,

—The minimum subcarrier index located within the channel width indicated in the most recently received Operating Mode Notification frame, Operating Mode Notification element with the Rx NSS Type subfield equal to 0, or OM Control subfield if EHT OM Control subfield is not present in the same A-Control field, or EHT OM Control subfield together with the OM Control subfield sent by the corresponding EHT beamformee (see 35.9 (Operating mode indication)).

(#17071) The highest subcarrier index *scidx(Ns-1) (*see subclause [9.4.1.61](https://protect-us.mimecast.com/s/R-HDCrkWNZc8JyWXf49_5A?domain=9.4.1.61) (EHT Compressed Beamforming report field)) is the upper bound of thesubcarrier indices indicated by the Partial BW Info subfield of a STA Info field that is equal to the minimum of:

—The maximum subcarrier index located within the channel width indicated in the VHT Operation Information field of either the HE Operation element or the VHT Operation element, whichever is present, or within the channel width indicated in the HT Operation element, if present, or 6 GHz Operation Information field of the HE Operation element, if present (see 9.4.2.249 (HE Operation element) and 9.4.2.311 (EHT Operation element)).

(#17072) NOTE: Follow the rules defined in 35.15.1(Basic EHT BSS operation) for the EHT BSS operating channel width determination when more than one operation element mentioned above is present,

—The maximum subcarrier index located within the channel width indicated in the most recently received Operating Mode Notification frame, Operating Mode Notification element with the Rx NSS Type subfield equal to 0, or OM Control subfield if EHT OM Control subfield is not present in the same A-Control field, or EHT OM Control subfield together with the OM Control subfield sent by the corresponding EHT beamformee (see 35.9 (Operating mode indication)).