IEEE P802.11  
Wireless LANs

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| CC36 - CR for CIDs on 36.3.2.8 | | | | |
| Date: 2022-03-03 | | | | |
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This submission includes the resolutions for the following 11 comments:

4540, 4541, 4648, 4687, 4991, 4992, 5568, 6431, 6797, 7171, 7172

on Subsection 36.3.2.8 of P802.11be D1.0.

The baseline document is 802.11be D1.4.

##### Revision history:

##### R0 – initial version

R1 – updated based on discussion by removing CID 7172

R2 – further moditication by removing the resolution of CID 7172

**CID: 4540, 4687**

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 4540 | 36.3.2.8 | 370 | 61 | Change "The supported channel width and the operating channel width of an 80 MHz operating non-AP EHT STA are described in " to "The indication of the supported channel width and the operation width of a non-AP STA are described in" since the 36.3.2.5 doesn't direclty discuss the 80Mhz operation STA | as in the comment. | REVISED.  Agree with the commenter in principle with some additional changes taken into account from other comments.  TGbe editor: Please revise the text in P517L48-51 in subclause 36.3.2.8 in 802.11be D1.4  as in 22/0384r2. |
| 4687 | 36.3.2.8 | 370 | 63 | "The supported channel width and the operating channel width of a 160 MHz operating non-AP EHT STA are as described in 36.3.2.5 (20 MHz operating non-AP EHT STAs", The cited chapter no. may be wrong | As in comment | REVISED  It is true that the text in 36.3.2.5 is mainly related to 20 MHz operating non-AP EHT STAs. However, 36.3.2.5 also describes how the Supported Channel Width and the Operating Channel Width are indicated.  Note to the commenter and TGbe editor: The corresponding text is revised as suggested in CID #4687.  TGbe editor: Please revise the text in P517L48-51 in subclause 36.3.2.8 in 802.11be D1.4  as in 22/0384r2. |

**CID: 4991**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 4991 | 36.3.2.8 | 371 | 1 | An 160 MHz operating non-AP EHT STA also supports 20 / 40 / 80 MHz transmission. Add this support. | See the comment. | REVISED  This has been covered in 36.3.2.8 P370L60-61 of D1.0 (P517L47-49 of D1.4) with the text described as “A 160 MHz operating non-AP EHT STA is a non-AP EHT STA whose current operating mode supports up to 160 MHz channel width” |

**CID: 6797**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 6797 | 36.3.2.8 | 371 | 1 | A 160 MHz operating non-AP STA should be able to participate in non-OFDMA 160 MHz PPDUs as well, not just 160 MHz OFDMA as mentioned in the current text. Further, it is expected that a 160 MHz operating non-AP STA shall be able to receive/transmit 160 MHz bandwidth PPDUs anyway, so it is better to limit the scope to 320 MHz bandwidth PPDUs in the description. | Suggested change:  "A 160 MHz operating non-AP EHT STA shall also be able to participate in 160 MHz and 320 MHz EHT DL and UL OFDMA transmissions." | REVISED  Agree with the commenter in principle. Revise the text in the paragraph P517L53-57 in D1.4 by addressing 160 MHz EHT DL and UL non-OFDMA transmissions.  TGbe Editor: please revise the text as suggested in 11-22/0384r2 |

**CID: 7171**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 7171 | 36.3.2.8 | 371 | 2 | "An EHT AP with an operating channel width greater than 160 MHz shall be able to allocate an RU or MRU on the primary 160 MHz channel within the BSS bandwidth in a 320 MHz EHT MU or EHT TB PPDU to a 160 MHz operating non-AP EHT STA.". Is this a requirement on the AP, or is a requirement for the 160 MHz-operating STA that it should be able to receive these RU/MRUs? Given that this is a section on 160MHz operating non-AP STAs, it may be the latter. If so, please formulate accordingly. | See comment | REJECTED  The first sentence in the paragraph P371L1-7 discusses the requirements for 160 MHz operating non-AP STAs, i.e., “A 160 MHz operating non-AP EHT STA shall be able to participate in 160 MHz and 320 MHz EHT DL and UL OFDMA transmissions.”  This second sentence follows to further discuss the requirements for an EHT AP that shall be able to allocate an RU or MRU on one 160 MHz channel within (a wider) operating channel width for operation of a 160 MHz operating non-AP STA. |



**CID: 4541, 4648, 4992, 5568, 6431**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 4541 | 36.3.2.8 | 371 | 18 | typo. Should be "in a 320 MHz". | as a comment | ACCEPTED  Note to TGbe editor: the typo has been corrected in 802.11 D1.4 |
| 4648 | 36.3.2.8 | 371 | 18 | Typo "n" | "in" | ACCEPTED  Note to TGbe editor:  The same resolution as for CID #4541. |
| 4992 | 36.3.2.8 | 371 | 18 | "i" is missing in the sentence. | Add "i" as " ~ in a 320 MHz EHT MU PPDU.". | ACCEPTED  Note to TGbe editor:  The same resolution fas or CID #4541. |
| 5568 | 36.3.2.8 | 371 | 18 | add 'i' in front of 'n a 320 MHz EHT MU PPDU' | as a comment | ACCEPTED  Note to TGbe editor:  The same resolution as for CID #4541. |
| 6431 | 36.3.2.8 | 371 | 18 | Typo. "n" should be revised to "in". | As in comment | ACCEPTED  Note to TGbe editor:  The same resolution as for CID #4541. |

**CID: 4651**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 4651 | 36.3.2.7 | 370 |  | In 36.3.2.7, replace vague terms by specific parameters in specific MIB variables and/or primitives accessible to the PHY: i.e.revisit, "current operating mode", "supported channel width", "BSS bandwidth", and "AP's operating channel width". Look to CHANNEL\_WIDTH in PHY CONFIG\_VECTOR, dot11FortyMHzOperationImplemented/dot11FortyMHzOperationActivate, dot11EightyMHzOperationImplemented/Activated, dot11VHTShortGIOptionIn160and80p80Implemented/Activated, dot11EHTSupportFor320MHzImplemented for the first two, but the last two may need further interface work (e.g. telling the PHY if it is an AP or not) | As in comment. Ditto section 36.3.2.8. | Although CID#4651 is explicitly for 36.3.2.7 and is resolved in 22/0086r2, in the proposed change it does address 36.3.2.8 as well.  TGbe editor: Please revise the text in subclause 36.3.2.8 in 802.11be D1.4  as in 22/0384r2. |

TGbe editor: Please revise the text in subclause 36.3.2.8 in 802.11be D1.4 as below.

**36.3.2.8 160 MHz operating non-AP EHT STAs(#1244)(#1254)**

A 160 MHz operating non-AP EHT STA is a non-AP EHT STA (#4651)that supports an operating channel width up to 160 MHz in the current operating mode (see 36.1.1 (Introduction to the EHT PHY)). The indications of the supported channel width (#4651)defined in the Supported Channel Width Set subfield in the HE Capabilities element and the Support For 320MHz In 6 GHz subfield in the EHT Capabilities element, and the operating channel width (#4651)identified by the CHANNEL\_WIDTH parameter contained in the PHYCONFIG\_VECTOR of a 160 MHz operating non-AP EHT STA are described in 36.3.2.5 (20 MHz operating non-AP EHT STAs(#1244)(#1254)).

A 160 MHz operating non-AP EHT STA shall be able to participate in 320 MHz EHT DL and UL OFDMA transmissions.(#3165) An EHT AP with a (#4651)CHANNEL WIDTH parameter (#6797)greater than or equal to 160 MHz shall be able to allocate an RU or MRU on the primary 160 MHz channel in a (#6797)160 MHz or 320 MHz EHT MU or EHT TB PPDU to a 160 MHz operating non-AP EHT STA.

(#4650) NOTE—As defined in 35.5.1.2 (RU allocation in an EHT MU PPDU(#1306)), an EHT AP canallocate an RU or MRU only on the primary 160 MHz in a 320 MHz EHT MU or EHT TB PPDU, to a 160 MHz operating non-AP EHT STA.

A 160 MHz operating non-AP EHT STA shall support all RU and MRU sizes within the primary 160 MHz channel when participating in 320 MHz EHT DL and UL OFDMA transmissions.

A 160 MHz operating non-AP EHT STA shall be able to transmit the preamble and data in the allocated RU or MRU on the primary 160 MHz channel in a 320 MHz EHT TB PPDU.

(#3097)A 160 MHz operating non-AP EHT STA shall be able to support the reception of the preamble and data in the allocated RU or MRU on the primary 160 MHz channel (#6987) in a 320 MHz EHT MU PPDU.