IEEE P802.11  
Wireless LANs

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| **TGbe D1.0 Comment Resolutions for CID 5718 and 8102** |
| **Date:** 2021-07-27 |
| **Author(s):** |

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Abstract

This submission proposes the resolutions for following 2 CIDs:

5718, and 8102

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: updated based on the D1.1

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbe D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D1.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.***

#### *CID 5718 and 8102*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 5718 | 36.3.12.3 | 405.62 | CH\_BANDWIDTH defined CBW320-1 and CBW320-2 seperately. CH\_BANDWIDTH\_IN\_NON\_HT defined CBW320 as a single value | modify this line to include both CBW320-1 and CBW320-2 or note it somewhere CBW320-1 and CBW320-2 from CH\_BANDWIDTH are referred to collectively as CBW320 | Revised.  Agree with the commenter  TGbe Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/ 11-21-1245-01-00be-cc36-cr-for-CID-5718 and-8102.docx |
| 8102 | 36.3.12.3 | 405.62 | CBW320 and CBW320-1/2 are mixed in use. Make the definition clear and ues it properly. | as in comment | Revised.  Agree with the commenter  TGbe Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/ 11-21-1245-01-00be-cc36-cr-for-CID-5718 and-8102.docx |

Discussion: CID 5718 and 8102 has pointed out the mixed use of CBW 320 and CBW 320-1/2.

In the 11be D1.01, while the CH\_BANDWIDTH of TX/RX vector is defined as CBW320 when the format is NON\_HT, it is defined as CBW320-1 and CBW320-2 when the format is EHT\_MU and EHT\_TB. However, the CBW320 is used to refer CBW320-1/2 without any description in many places of the draft overall. So, it is required to change CBW320 with CBW320-1/2 but, since CBW320 is already used in many subclauses, it may not be easy to change the whole CBW320 as CBW320-1/2.

In addition, this CBW320 term is usually used to describe the channel bandwidth of PPDU regardless of the channelization of 320MHz.

Therefore, in order to use the CBW320-1/2 and CBW320 properly in the draft, we suggest following modification of table 36-3 regarding CBW320

***TGbe editor: please modify the table 36-3 Interpretation of FORMAT, NON\_HT\_MODULATION, and CH\_BANDWIDTH parameters in 11be D1.1 as follows***

**Table 36-3—Interpretation of FORMAT, NON\_HT\_MODULATION, and CH\_BANDWIDTH parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **FORMAT** | **NON\_HT\_ MODULATION** | **CH\_BANDWIDTH** | **PPDU format** |
| EHT\_MU, EHT\_TB | N/A | CBW20 | The STA transmits an EHT PPDU of 20 MHz bandwidth. If the BSS bandwidth is wider than  20 MHz, then the transmission shall use the primary 20 MHz channel. |
| EHT\_MU, EHT\_TB | N/A | CBW40 | The STA transmits an EHT PPDU of 40 MHz bandwidth. If the BSS bandwidth is wider than  40 MHz, then the transmission shall use the primary 40 MHz channel. |
| EHT\_MU, EHT\_TB | N/A | CBW80 | The STA transmits an EHT PPDU of 80 MHz bandwidth. If the BSS bandwidth is wider than  80 MHz, then the transmission shall use the primary 80 MHz channel. |
| EHT\_MU, EHT\_TB | N/A | CBW160 | The STA transmits an EHT PPDU of 160 MHz bandwidth. If the BSS bandwidth is wider than 160 MHz, then the transmission shall use the primary 160 MHz channel. |
| EHT\_MU, EHT\_TB | N/A | ~~CBW320~~  CBW320-1  CBW320-2 | The STA transmits an EHT PPDU of 320 MHz bandwidth.  Note : The CH\_BANDWIDTH of CBW320-1 and CBW320-2 is interpreted as CBW320 for the transmission of an EHT PPDU of 320 MHz bandwidth |
| NON\_HT | OFDM | CBW20 | See Table 21-2 (Interpretation of FORMAT, NON\_HT\_MODULATION, CH\_BANDWIDTH,  and CH\_OFFSET parameters). |