IEEE P802.11
Wireless LANs

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| CR for EHT DL MU Operation |
| Date: January 22, 2022 |
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 Abstract

This submission proposes resolutions for the following 5 CIDs received for TGbe CC36:

4197, 4976, 7015, 7064, 7911

Revisions:

* Rev 0: Initial version of the document.

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 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe 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.***

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| **CID** | **Commenter** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 4197 | Alfred Asterjadhi | 286.1 | 35.4 | Description on DL MU Operation for EHT is very liimited. Need to add all relevant rules, possibly inheriting as much as posisble from HE. | As in comment. | Revised-This comment has already been resolved in 11-21/538r5, which was approved during the comment collection phase for Draft P802.11be\_D1.0.TGbe editor:No change is needed in this document to resolve this comment. |
| 4976 | Eunsung Park | 286.6 | 35.4.1.1 | Detailed description needs to be added in 35.4.1.1 RU allocation in an EHT MU PPDU. | Add details. | Revised-This comment has already been resolved in 11-21/538r5, which was approved during the comment collection phase for Draft P802.11be\_D1.0.TGbe editor:No change is needed in this document to resolve this comment. |
| 7015 | Sigurd Schelstraete | 286.6 | 35.4.1.1 | 802.11ax section 26.5.1.3 (RU allocation in an HE MU PPDU) contains requirements on the minimum number of tones that should be occupied in an OFDMA transmission ("At least N × 4 × 26 subcarriers are modulated by the allocated RUs within the entire PPDU ..."). 802.11be appears to have no such requirement (at least not in the equivalent section 35.4.1.1 RU allocation in an EHT MU PPDU).There is no reason the requirement for 11be should be different. | Add requirements on minimum occupied BW in an EHT MU PPDU | Revised-This comment has already been resolved in 11-21/538r5, which was approved during the comment collection phase for Draft P802.11be\_D1.0.TGbe editor:No change is needed in this document to resolve this comment. |
| 7064 | Sigurd Schelstraete | 286.8 | 35.4.1.1 | Change "equals to" to "is equal to" | See comment | Revised-This comment has already been resolved in 11-21/538r5, which was approved during the comment collection phase for Draft P802.11be\_D1.0.TGbe editor:No change is needed in this document to resolve this comment. |
| 7911 | Youhan Kim | 286.8 | 35.4.1.1 | Comment is on https://mentor.ieee.org/802.11/dcn/21/11-21-0538-05-00be-cr-for-35-4-1-dl-mu-operation.docxIn the first paragraph of 35.4.1.1,"In cases where a rule in 26.5.1.1, 26.5.1.2 or 26.5.1.3a refers to RUs in an HE MU PPDU, the rule applies to RUs and MRUs in an EHT MU PPDU."The rule "also" applies to EHT MU PPDUs. | In the first paragraph of 35.4.1.1, change"the rule applies to RUs and MRUs in an EHT MU PPDU."to"the rule also applies to RUs and MRUs in an EHT MU PPDU." | Accepted- |

***TGbe editor: Please note baselines are REVme D1.0 and 11be D1.4***

**35.4 MU operation**

**35.4.1 EHT DL MU operation**

**35.4.1.1 General**

When transmitting or receiving an EHT MU PPDU, the rules defined in 26.5.1.1 (General), 26.5.1.2 (RU addressing in an HE MU PPDU) and 26.5.1.3a (Minimum RU allocation in an HE MU PPDU) that apply to an HE MU PPDU shall also apply to an EHT MU PPDU. In cases where a rule in 26.5.1.1 (General), 26.5.1.2 (RU addressing in an HE MU PPDU) or 26.5.1.3a (Minimum RU allocation in an HE MU PPDU) refers to RUs in an HE MU PPDU, the rule (#7911)also applies to RUs and MRUs in an EHT MU PPDU.

An EHT AP shall not transmit an EHT MU PPDU with an RU that is narrower than the PPDU bandwidth and that is allocated to more than one STA (DL MU-MIMO) unless the AP has received from each STA an EHT Capabilities element with the Partial Bandwidth DL MU-MIMO subfield in the EHT PHY Capabilities Information field equal to 1.

**Straw Poll: Do you support to incorporate the proposed draft text in this document 11-22/0171r0 to the next revision of TGbe Draft?**

**Result: Yes/No/Abstain**