IEEE P802.11
Wireless LANs

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| **LB271 CR for 35.5.1** |
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 Abstract

This submission proposes resolutions for following CID received for TGbe LB271:

* 17166, 18305.

**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** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 17166 | RUI YANG | 35.5.1.1 | 589.11 | "an EHT MU PPDU" should be "the EHT MU PPDU", referring to "an EHT MU PPDU" in Line 8. | as in comment | Accepted |
| 18305 | kaiying Lu | 35.5.1.2 | 589.51 | Make the following wording consistent. Page589/line51 "in the secondary 160 MHz channel of a 320 MHz EHT MU PPDU" and page589/line60 "on the secondary 160 MHz in a 320 MHz EHT MU PPDU". | As in comment. | Accepted |

###### 35.5.1 EHT DL MU operation

* + 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 the EHT*(#17166)* 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 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.

###### RU allocation in an EHT MU PPDU

An EHT STA shall not transmit a 320 MHz EHT MU PPDU in the 6 GHz band with a 2996+484-tone, 3996-tone, 3996+484-tone or 4996-tone RU or MRU allocated to the other EHT STA, unless the EHT STA has received an EHT Capabilities element with the Support For 320 MHz In 6 GHz subfield in the EHT PHY Capabilities Information field equal to 1 from the other EHT STA and the other EHT STA is in 320 MHz operating bandwidth.

A non-AP EHT STA with dot11EHTSupportFor242ToneRUInBWWiderThan20Implemented equal to false shall set the Support For 242-tone RU In BW Wider Than 20 MHz subfield in the EHT PHY Capabilities Information field in the EHT Capabilities element to 0.

An AP shall not transmit a 40 MHz, 80 MHz, 160 MHz or 320 MHz EHT MU PPDU with a 242-tone RU allocated to a 20 MHz operating non-AP EHT STA, unless the AP has received from the 20 MHz operating non-AP EHT STA an EHT Capabilities element with the Support For 242-tone RU in BW Wider Than 20 MHz subfield in the EHT Capabilities Information field equal to 1.

In a 40 MHz, 80 MHz, 160 MHz or 320 MHz EHT MU PPDU, an AP shall not allocate to a 20 MHz operating non-AP STA an RU or MRU that is not supported by the STA as indicated in 36.3.2.6 (RU and MRU restrictions for 20 MHz operation). An AP shall follow the rules in 36.3.2.5 (20 MHz operating non- AP EHT STAs participating in wider bandwidth OFDMA), 36.3.2.7 (80 MHz operating non-AP EHT STAs participating in wider bandwidth OFDMA), and 36.3.2.8 (160 MHz operating non-AP EHT STAs participating in wider bandwidth OFDMA) if allocating RU(s) or MRU(s) to an non-AP EHT STA whose operating bandwidth is smaller than the BSS operating channel width.

An EHT AP shall not allocate an RU or MRU in the secondary 160 MHz channel of a 320 MHz EHT MU PPDU or EHT TB PPDU to an 80 MHz operating non-AP EHT STA. An EHT AP shall not allocate an RU or MRU in the secondary 80 MHz channel of a 160 MHz or 320 MHz EHT MU or EHT TB PPDU to an 80 MHz operating non-AP EHT STA, if the 80 MHz operating non-AP EHT STA has not set up SST operation on the secondary 80 MHz channel with the EHT AP or there is an inactive 20 MHz subchannel within the secondary 80 MHz channel.

An EHT AP shall not allocate an RU or MRU in the*(#18305)* secondary 160 MHz of *(#18305)* a 320 MHz EHT MU PPDU or EHT TB PPDU to a 160 MHz operating non-AP EHT STA.