IEEE P802.11
Wireless LANs

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| **CC50 Comment Resolutions****for 38.3.3 RU and MRU restrictions for 20 MHz operation** |
| **Date:** 2025-03-30 |
| **Author(s):** |

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Abstract

This submission proposes resolutions for comments of TGbn D0.2 with the following 4 CIDs:

305 1122 1758 2257

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 TGbn D0.2 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbn D0.2 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

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

#### *CIDs 1758, 2257, 1122, 305*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1758 | 38.3.3 | 116.39 | A wrong subclause number is quoted. 38.3.2 is for DRU not RRU. Also in P108L41. | Change 38.3.2 to 36.3.2 | Accepted. |
| 2257 | 38.3.3 | 116.38 | "it is noteworthy that the 20 MHz RU or MRU tone mapping (see 38.3.2 (Subcarrier and resource allocation)) is not aligned with the 40 MHz, 80 MHz, 160 MHz, or 320 MHz RU or MRU tone mapping (see 38.3.2 (Subcarrier and resource allocation)) when RRUs are used for a transmission." The reference 38.3.2 does not include RU or MRU tone mapping, please change the reference to 36.3.2. | As in comment | Accepted.TGbn editor: Resolution is the same as CID1758 in 11-25/0522r0 |
| 1122 | 38.3.3 | 116.39 | The subclause 38.3.3 does not have any information of tone mapping for RRU and 11bn inherits the tone plan for RRU from 11be. Thus, it is better to change the reference to 36.3.2.1. | As the comment. | RevisedAgree in principle with the commenter. Suggest to change the reference to 36.3.2.TGbn editor: Resolution is the same as CID1758 in 11-25/0522r0 |
| 305 | 38.3.3 | 116.34 | "38.3.3 RU and MRU restrictions for 20 MHz operation". Only the last sentence appears relevant for DRUs. Is there a need to repeat this whole subclause? | Replace with reference to 36.3.2.6 if possible | Revised.Agree in principle with the commenter. Based on the comment, suggest to delete detailed descriptions for resctrictions and add 36.3.2.5 as a reference.TGbn editor: Please make the changes shown in 11-25/0522r0. |

*TGbn Editor: Please make the following changes in Section 38.3.3 of D0.2:*

**38.3.3 RU and MRU restrictions for 20 MHz operation**

For a 20 MHz operating non-AP UHR STA receiving a 40 MHz, 80 MHz, 160 MHz, or 320 MHz UHR MU PPDU, or transmitting a 40 MHz, 80 MHz, 160 MHz, or 320 MHz UHR TB PPDU, it is noteworthy that the 20 MHz RU or MRU tone mapping (see 36.3.2 (Subcarrier and resource allocation)) is not aligned with the 40 MHz, 80 MHz, 160 MHz, or 320 MHz RU or MRU tone mapping (see 36.3.2 (Subcarrier and resource allocation)) when RRUs are used for a transmission.(#1122)(#1758)(#2257)

A 20 MHz operating non-AP UHR STA does not support the RU(s) or MRU(s) enumerated in 36.3.2.6 (RU and MRU restrictions for 20 MHz operation) for 40 MHz, 80 MHz, 160 MHz, and 320 MHz UHR MU PPDU (receive) and UHR TB PPDU (transmit) when RRUs are used for a transmission.(#305)

A 20 MHz operating non-AP UHR STA may support reception of a 242-tone RU for 40 MHz, 80 MHz, 160 MHz, and 320 MHz UHR MU PPDU as described in 36.3.2.6 (RU and MRU restrictions for 20 MHz operation) when RRUs are used for a transmission.(#305)

A 20 MHz operating non-AP UHR STA does not support any DRUs for 40 MHz UHR TB PPDU (transmit).

NOTE—When a 20 MHz operating STA participates in an 80 MHz or wider UHR TB PPDU using 20 MHz distribution bandwidth, the TX LO leakage of the STA might interfere with some of the data subcarriers within the 20 MHz distribution bandwidth such that for some DRUs in that 20 MHz DBW performance of high MCS may be significantly degraded.