### **IEEE P802.11 Wireless LANs**

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| PDT Additional Corrections to the Trigger Frame RU Allocation Table | | | | |
| Date: 2021-06-03 | | | | |
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**Discussion #1**

In the Trigger Frame RU Allocation table entries for MRU2x996+484, the mapping from the PS160, B0 and B7-B1 of the RU Allocation field to the MRU number is unclear. The table needs to be modified to fix this issue. For reference, see the figure below from document 802.11-20/1703r6.

A picture containing text, electronics, light, keyboard

Description automatically generated

***TGbe editor: Please make the following changes in Table 9-29j1—Encoding of PS160 and RU Allocation subfields in an EHT variant User Info field:***

**Change This:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PS160 subfield | B0 of the RU Allocation subfield | B7–B1 of the RU Allocation subfield | Bandwidth (MHz) | RU/MRU size | RU/MRU index | PHY RU/MRU index |
|  |  |  |  |  |  |  |
| 0 | 0 | 100–103 | 320 | 2´996 +484 | MRU1 to MRU4, respectively | MRU index |
| 0 | 1 | MRU5 and MRU6, respectively |
| 1 | 0 | MRU7 and MRU8, respectively |
| 1 | 1 | MRU9 to MRU12, respectively |

**To This:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PS160 subfield | B0 of the RU Allocation subfield | B7–B1 of the RU Allocation subfield | Bandwidth (MHz) | RU/MRU size | RU/MRU index | PHY RU/MRU index |
|  |  |  |  |  |  |  |
| 0 | 0 | 100-103 | 320 | 2996  +484 | MRU1 to MRU4, respectively | MRU Index |
| 0 | 1 | **100-101** |  | MRU5 and MRU6, respectively |
| 0 | 1 | **102-103** | Any | Reserved | Reserved |
| 1 | 0 | **100-101** | Any | Reserved | Reserved |
| 1 | 0 | **102-103** | 320 | 2996  +484 | MRU7 and MRU8, respectively |
| 1 | 1 | 100-103 | MRU9 to MRU12, respectively |

**Discussion #2**

* The 52+26-tone MRU1 is only present in the in the 20 and 40 MHz PPDUs.
* The 52+26-tone MRU6 is only present in the 40 MHz PPDU.
* The 52+26-tone MRU7 and MRU12 are reserved.
* See Figure below from document 802.11-20/1703r6.

Diagram

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**Discussion #2 (cont.)**

* The 106+26-tone MRU2 is only present in the in the 20 and 40 MHz PPDUs.
* The 106+26-tone MRU3 is only present in the in the 40 MHz PPDU.
* The 106+26-tone MRU6 and MRU7 are reserved.
* See Figure below from document 802.11-20/1703r6.

Diagram, engineering drawing

Description automatically generated

***TGbe editor: Please make the following changes in Table 9-29j1—Encoding of PS160 and RU Allocation subfields in an EHT variant User Info field:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 0–3: 80 MHz subblock where the RU is located | 70 | 20, 40 | 52+26 | MRU1 | 12×Ν + MRU index |
| 70 | 80, 160, or 320 | Reserved | Reserved |
| 71-72 | 20, 40, 80, 160, or 320 | 52+26 | MRU2 to MRU3, respectively |
| 73–74 | 40, 80, 160, or 320 | 52+26 | MRU4 to MRU5, respectively |
| 75 | 40 | 52+26 | MRU6 |
| 75 | 80, 160, or 320 | Reserved | Reserved |
| 76 | Any | Reserved | Reserved |
| 77-80 | 80, 160, or 320 | 52+26 | MRU8 to MRU11, respectively |
| 81 | Any | Reserved | Reserved |
| 82 | 20, 40, 80, 160, or 320 | 106+26 | MRU1 | 8×Ν + MRU index |
| 83 | 20, 40 | 106+26 | MRU2 |
| 83 | 80, 160, or 320 | Reserved | Reserved |
| 84 | 40 | 106+26 | MRU3 |
| 84 | 80, 160, or 320 | Reserved | Reserved |
| 85 | 40, 80, 160, or 320 | 106+26 | MRU4 |
| 86 | 80, 160, or 320 | 106+26 | MRU5 |
| 87-88 | Any | Reserved | Reserved |
| 89 | 80, 160, or 320 | 106+26 | MRU8 |
| 90–93 | 80, 160, or 320 | 484+242 | MRU1 to MRU4, respectively | MRU index 4×Ν |