**IEEE P802.11
Wireless LANs**

|  |
| --- |
| **CIDs 4391 & 4392** |
| **Date: 2023-05-12** |
| **Author(s):** |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| **David Halasz** | **Morse Micro** |  |  | **dave.halasz@morsemicro.com** |
|  |  |  |  |  |

**Abstract**

This document addresses CIDs 4391 & 4392 on LB273

*Discussion:*

Submission 23/39r6 brought in 1024 QAM for S1G. But some of the edits were brought in incorrectly. Address CIDs 4391 & 4392 by bringing in the text from submission 23/39r6.

Also corrected reference text to Figure 9-772.

Proposed Resolution:

* CID 4391 & 4392: Revised. Incorporate the changes shown as “Proposed change” in this document.

*Proposed change for clause 9.4.2.199.4:*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| * Extended Supported S1G-MCS and NSS Set subfields(M102)
 |
| Subfield | Definition | Encoding |
| Ext Rx S1G-MCS Map | Indicates the maximum value of the RXVECTOR parameter MCS of a PPDU that can be received at all channel widths where the MCS is valid for the channel width, supported by this STA for each number of spatial streams. | ~~The format and encoding of this subfield are defined in Figure 9-770 (Rx S1G-MCS Map and Tx S1G-MCS Map subfields(M102)) and the associated description. If Rx Single Spatial Stream and S1G-MCS Map for 1 MHz subfield is greater than or equal to 1, then only the value of the Max S1G-MCS For 1 SS subfield that is indicated by the Rx Single Spatial Stream and S1G-MCS Map subfield is applicable for 1 MHz channel width.~~ The format and encoding of this subfield are defined in Figure 9-772 (Ext Rx S1G-MCS Map and Ext Tx S1G-MCS Map subfields) and the associated description. |
| Ext Tx S1G-MCS Map | ~~Indicates the highest long GI S1G data rate that the STA is able to receive.~~ Indicates the maximum value of the TXVECTOR parameter MCS of a PPDU that can be transmitted at all channel widths, where the MCS is valid for the channel width, supported by this STA for each number of spatial streams. | ~~The largest integer value less than or equal to the highest long GI S1G PPDU data rate in Mb/s the STA is able to receive (see 10.6.14.1 (RX Supported S1G-MCS and NSS Set)).~~~~The value 0 indicates that this subfield does not specify the highest long GI S1G PPDU data rate that the STA is able to receive.~~ The format and encoding of this subfield are defined in Figure 9-772 (Ext Rx S1G-MCS Map and Ext Tx S1G-MCS Map subfields) and the associated description. |

The Rx S1G-MCS Map subfield and the Tx S1G-MCS Map subfield have the structure shown in Figure ~~9-YY4~~9-772 (Ext Rx S1G-MCS Map and Ext Tx S1G-MCS Map subfields ~~and Basic S1G-MCS and NSS Set field format~~).  |

**References:**