IEEE P802.11
Wireless LANs

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| D3.0 comment resolution 9.4.1.74 |
| Date: 2023-05-01 |
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Abstract

This submission proposes resolutions for multiple comments related to TGbe D3.0 with the following CIDs:

 17517 17518 17519 17520 17521 17522 17523

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** | **PP** | **LL** | **Comment** | **Proposed Change** | Resolution |
| 17517 | 218 | 16 | Nss should be italics / an equation (or, even better, the TXVECTOR parameter NSTS) | Change to italics/equationTXVECTOr parameter NSTS | RevisedDiscussion: generally agree with the commenter. “*Nss*” will be used and the value being set to the field is added.TGbe editor to make changes in THIS DOCUMENT under CID tag 17517 |
| 17518 | 218 | 16 | "A1 or B1 ... A2 and B2, respectively" does not make sense. | Change to "A1 or B1 ... A2 or B2, respectively" | RevisedDiscussion: generally agree with the commenter. TGbe editor to make changes in THIS DOCUMENT under CID tag 17518 |
| 17519 | 218 | 39 | Re "and their presence, are defined in Table 9-127e ", presence is hard to discern in the table | Create a 1.5th column "Presence" n Table 9-127e and move the presence info in Table 9-127e to that new column | RevisedDiscussion: The presence of the field is already defined by MCSMAP Count subfield per the supported BW of the STAs in EMLMR links. So the further explanation of MCS, Nss persense is not needed.TGbe editor to make changes in THIS DOCUMENT under CID tag 17519 |
| 17520 | 219 | 11 | Very unclear antecendent in "If the MCS Map Count Control subfield is present, then it is present; otherwise it is not present." Seems to refer to "MCS Map Count Control subfield" or "the associated description"!? | Try "This subfield is present if the MCS Map Count Control subfield is present; otherwise it is not present." | RevisedDiscussion: generally agree with the commenter. MCS Map for BW <= 80 MHz is always present for the EMLMR mode negotiation. TGbe editor to make changes in THIS DOCUMENT under CID tag 17520 |
| 17521 | 219 | 27 | Very unclear which subfield is meant by "this subfield" in "If the MCS Map Count subfield is set to 1 or 2, meaning that the maximum operating channel width of the non-AP MLD for the EMLMR operation is equal to or greater than 160 MHz, then this subfield ..." ... could mean "MCS Map Count subfield" | Try " This subfield is present if the MCS Map Count subfield is set to 1 or 2, meaning that the maximum operating channel width of the non-AP MLD for the EMLMR operation is equal to or greater than 160 MHz; otherwise, this subfield is not present.". Similarly P219:38 | RevisedDiscussion: generally agree with the commenter. Following the style of EHT MCS, Nss capabilitites announcement, in Definition column, the condition when the indication is applied means the condition of including the subfield.TGbe editor to make changes in THIS DOCUMENT under CID tag 17521 |
| 17522 | 219 | 23 | Missing article "after initial frame exchange" | Ditto P219L36. try "after an initial frame" | Accepted |
| 17523 | 219 | 20 | Plural should genrally be avoided since the rules geneally apply to individual entities | Ditto P219L33. Try "If present, indicates the maximum number of spatial streams supported for reception and the maximum number of spatial streams that each STA affiliated with the non-AP MLD that is operating in EMLMR mode can transmit after an initial frame exchange on the STA's EMLMR link, for each MCS value, in a PPDU with a bandwidth of ..." | RevisedDiscussion: generally agree with the commenter. The similar change is also applied to P219L9.TGbe editor to make changes in THIS DOCUMENT under CID tag 17523 |

9.4.1.74 EML Control field

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(#17517)The EMLMR Supported MCS And NSS Set subfield indicates the combinations of MCS and number of spa­tial streams, *Nss,* that a non-AP MLD supports for reception and transmission on any EMLMR link during the EMLMR operation, and is set to *Nss* - 1 . The MCS Map Count subfield is set to 0 if the maximum of the supported channel widths for STAs affiliated with the non-AP MLD operating on EMLMR links is smaller than or equal to 80 MHz. (#17518)The MCS Map Count subfield is set to 1 or 2 if the maximum of the supported channel widths for STAs affiliated with the non-AP MLD operating on EMLMR links is equal to 160 MHz or 320 MHz, respectively, and the value 3 is reserved. The MCS Map Count Control subfield is present if the EMLMR Mode subfield is equal to 1 and is not present otherwise.

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(#17519)The subfields of the EMLMR Supported MCS And NSS Set subfield are defined in Table 9-127e (Subfields of the EMLMR Supported MCS And NSS Set subfield).

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**Table 9-127e—Subfields of the EMLMR Supported MCS And NSS Set subfield**

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| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| MCS Map(BW ≤ 80 MHz) | (#17520)Indicates the maximum number of spatial streams supported for reception and the maximum num- ber of spatial streams that (#17523) each STA affili- ated with the non-AP MLD that is operating in EMLMR mode can trans- mit after initial frame exchange on the corresponding EMLMR links, for each MCS value, in a PPDU with a bandwidth of 20, 40 or 80 MHz. | The format and encoding of this subfield are defined in [Figure 9-1002al (EHT-MCS Map](#bookmark222) [(BW ≤ 80 MHz, Except 20 MHz-Only Non- AP STA), EHT-MCS Map (BW = 160 MHz),](#bookmark222)[and EHT-MCS Map (BW = 320 MHz) sub-](#bookmark222) [field format)](#bookmark222) and the associated description.(#17520) |
| MCS Map(BW = 160 MHz) | (#17521) If the maximum operating channel width of the non-AP MLD for the EMLMR operation is equal to or greater than 160 MHz, indicates the maximum number of spatial streams supported for reception and the maximum num- ber of spatial streams that (#17523) each STA affili- ated with the non-AP MLD that is operating in EMLMR mode can trans- mit after initial frame exchange on the corresponding EMLMR links, for each MCS value, in a PPDU with a bandwidth of 160 MHz. | The format and encoding of this subfield are defined in [Figure 9-1002al (EHT-MCS Map](#bookmark222) [(BW ≤ 80 MHz, Except 20 MHz-Only Non- AP STA), EHT-MCS Map (BW = 160 MHz),](#bookmark222)[and EHT-MCS Map (BW = 320 MHz) sub-](#bookmark222) [field format)](#bookmark222) and the associated description.(#17521) |
| MCS Map(BW = 320 MHz) | (#17521) If the maximum operating channel width of the non-AP MLD for the EMLMR operation is equal to 320 MHz, indicates the maximum number of spatial streams supported for reception and the maximum num- ber of spatial streams that (#17523) each STA affili- ated with the non-AP MLD that is operating in EMLMR mode can trans- mit after initial frame exchange on the corresponding EMLMR links, for each MCS value, in a PPDU with a bandwidth of 320 MHz. | The format and encoding of this subfield are defined in [Figure 9-1002al (EHT-MCS Map](#bookmark222) [(BW ≤ 80 MHz, Except 20 MHz-Only Non- AP STA), EHT-MCS Map (BW = 160 MHz),](#bookmark222)[and EHT-MCS Map (BW = 320 MHz) sub-](#bookmark222) [field format)](#bookmark222) and the associated description.(#17521)  |

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