**IEEE P802.11  
Wireless LANs**

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| CR for MAC Miscellaneous Part1 | | | | |
| Date: 2022-03-07 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGbe D1.0 with the following CIDs (12 CIDs):

* 7860, 7938, 7088, 4166, 6339, 7939, 7089, 7889, 4165, 5110, 5343, 5344

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 subsequent 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.***

| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 7860 | 35.8.1.1 | 299.56 | STA\_ID is used in 802.11md, 802.11ax, and other places in this draft spec. Please clarify this STA\_ID refers to the parameter in TXVECTOR for EHT STA. | See the comment | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7860. |
| 7938 | 35.8.1.1 | 299.56 | Missing comma. | Change  "associate non-AP STA the parameter"  to  "associate non-AP STA, the parameter" | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7938. |
| 7088 | 35.8.1.1 | 299.57 | Change "the STA receiving the PSDU" to "the STA to which the PSDU is addressed". | See comment | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7088. |
| 4166 | 35.8.1.1 | 299.60 | This paragraph only covers the setting for individually addressed RUs. Now the question remains how the STA ID is set for group addressed/broadcast RUs? What rules do apply here? E.g., can the AP include b-RUs in EHT MU PPDU when there are HE STAs in the network as well? Please clarify accordingly. | As in comment. | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 4166. |
| 6339 | 35.8.1.1 | 299.60 | what is this element in this sentence? Please make it clear | as in the comment | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 6339. |
| 7939 | 35.8.1.1 | 299.61 | What about the case of transmitting an EHT PPDU to AP (UL) prior to association (and thus no AID has been assigned to the non-AP STA). | Add  "When a non-AP STA is transmitting an EHT PPDU to an AP prior to association, the parameter STA\_ID shall be set to 0." | Revised-  To resolve the comment, the paragraph was rewritten with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7939. |
| **TGbe Editor: *Change paragraphs below of this subclause as follows (#CID 7860, 7938, 7088, 4166, 6339, 7939):***  **35.11.1.1 STA\_ID**  ~~For an individually addressed RU that is addressed to an associated non-AP STA the parameter STA\_ID shall be set to 11 LSBs of the AID of the STA receiving the PSDU contained in that RU. If an RU is intended for an AP (i.e., the TXVECTOR parameter UPLINK\_FLAG is 1), then the parameter STA\_ID shall contain only one element that is set to the 11 LSBs of the AID of the non-AP STA transmitting the PPDU.~~  An EHT STA shall set the parameter STA\_ID in the TXVECTOR following the rules defined in 26.11.1 (STA\_ID) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU. | | | | | |
| 7089 | 35.8 | 299.48 | Looks like there are other TXVECTOR parameters (e.g. related to puncturing) that could be included in 35.8.1 | See comment | Revised-  To resolve the comment, the paragraphs for UPLINK\_FLAG, BEAM\_CHANGE, BSS\_COLOR, TXOP\_DURATION, INACTIVE\_SUBCHANNELS, RU\_ALLOCATION, TRIGGER\_RESPONDING, STBC parameters were added with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7089. |
| 7889 | 35.8 | 299.48 | Please also describe other TXVECTOR parameters. | As in the comment. | Revised-  To resolve the comment, the paragraphs for UPLINK\_FLAG, BEAM\_CHANGE, BSS\_COLOR, TXOP\_DURATION, INACTIVE\_SUBCHANNELS, RU\_ALLOCATION, TRIGGER\_RESPONDING, STBC parameters were added with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 7889. |
| 4165 | 35.8.1 | 299.51 | Several TXVECTOR settigns are missing here. E.g., FLAG, BSS COLOR, TXOP, etc. I guess we will inherit from HE subclasue. Please provide references to the respective subclauses for those that are inherited and the requirements for those that are not inherited from HE subclause. | As in comment. | Revised-  To resolve the comment, the paragraphs for UPLINK\_FLAG, BEAM\_CHANGE, BSS\_COLOR, TXOP\_DURATION, INACTIVE\_SUBCHANNELS, RU\_ALLOCATION, TRIGGER\_RESPONDING, STBC parameters were added with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 4165. |
| 5110 | 35.8.1 | 299.52 | The TXVECTOR parameter TRIGGER\_RESPONDING does not need to be set to true for the MU-RTS TXS Trigger frame. It is because the response to the MU-RTS TXS Trigger frame is from a single STA. | As in comment | Revised-  To resolve the comment, the paragraphs for UPLINK\_FLAG, BEAM\_CHANGE, BSS\_COLOR, TXOP\_DURATION, INACTIVE\_SUBCHANNELS, RU\_ALLOCATION, TRIGGER\_RESPONDING, STBC parameters were added with a reference of the related 11ax subclause and a few clarification texts.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 5110. |
| **TGbe Editor: *Insert paragraphs below after 35.11.1.2 (POWER\_BOOST\_FACTOR) (#CID 7089, 7889, 4165, 5110):***  **35.11.1.3 UPLINK\_FLAG**  An EHT STA shall set the parameter UPLINK\_FLAG in the TXVECTOR following the rules defined in 26.11.2 (UPLINK\_FLAG) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.4 BEAM\_CHANGE**  An EHT STA shall set the parameter BEAM\_CHANGE in the TXVECTOR following the rules defined in 26.11.3 (BEAM\_CHANGE) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.5 BSS\_COLOR**  An EHT STA shall set the parameter BSS\_COLOR in the TXVECTOR following the rules defined in 26.11.4 (BSS\_COLOR) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.6 TXOP\_DURATION**  An EHT STA shall set the parameter TXOP\_DURATION in the TXVECTOR following the rules defined in 26.11.5 (TXOP\_DURATION) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.7 INACTIVE\_SUBCHANNELS and RU\_ALLOCATION**  An EHT STA shall set the parameter INACTIVE\_SUBCHANNELS and RU\_ALLOCATION in the TXVECTOR following the rules defined in 26.11.7 (INACTIVE\_SUBCHANNELS and RU\_ALLOCATION) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.8 TRIGGER\_RESPONDING**  An EHT STA shall set the parameter TRIGGER\_RESPONDING in the TXVECTOR following the rules defined in 26.11.8 (TRIGGER\_RESPONDING) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU   **35.11.1.9 STBC**  An EHT STA shall set the parameter STBC in the TXVECTOR following the rules defined in 26.11.9 (STBC) and with the following additions:   * The rules that apply to an HE MU PPDU shall also apply to an EHT MU PPDU | | | | | |
| 5343 | 9.4.2.295a | 132.25 | The Link Id can use values 0-14, so there are at maximum 15 links. The Maximum Number of Simultaneous Links can signal 17 links. Why the maximum numbers Links do not match? | Please clarify the correct range of the number of the links. | Revised-  Agree in principle with the comment.  The range of the Maximum Number Of Simultaneous Links subfield needs a clarification.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 5343. |
| **TGbe Editor: *Change Table 9-401h as follows (#CID 5343):***  **Table 9-401h—Subfields of the MLD Capabilities field**   |  |  |  | | --- | --- | --- | | **Subfield** | **Definition** | **Encoding** | | Maximum Number Of Simultaneous Links | Indicates the maximum num ber of STAs affiliated with the MLD that support simultaneous transmis- sion or reception of frames on the respective links. | For a non-AP MLD:  Set to a value between 0 and 14, which is the maximum number of affili ated STAs in the non-AP MLD that support simultaneous transmission or reception of frames minus 1.  The value of 15 is reserved.  For an AP MLD:  ~~, s~~Set to a value between 0 and 14, which is the number of affiliated APs minus 1.  The value of 15 is reserved.  See 35.3.16.2 (Multi-link device capa- bility signaling. | | | | | | |
| 5344 | 9.4.2.295a | 132.25 | Why the Maximum Number of Simultaneous Links field is needed? Is there any use for the field and how the field is used? | Please clarify the need of the Maximum Number of Simultaneous Links field or delete it. | Revised-  Agree in principle with the comment.  The normative statement about the Maximum Number of Simultaneous Links field is added.  TGbe editor to make the changes shown in 11-22/0075r2 under all headings that include CID 5344. |
| **TGbe Editor: *Change paragraphs below of this subclause as follows (#CID 5344):***  **35.3.16.2 Multi-link device capability signaling**  AP MLD shall set the Maximum Number Of Simultaneous Links subfield in the Basic Multi-Link element to the number of affiliated APs minus 1, in which the number of affiliated APs in the AP MLD shall be greater than 1.  If dot11EHTBaseLineFeaturesImplementedOnly is equal to true, an NSTR mobile AP MLD shall set the Maximum Number of Simultaneous Links subfield of the Basic Multi-Link element carried in transmitted Management frames to 1.  A single radio non-AP MLD shall set the Maximum Number Of Simultaneous Links subfield in the Basic Multi-Link element carried in transmitted Management frames to 0.  A~~n~~ single radio non-AP MLD with dot11EHTEMLSROptionImplemented equal to true shall set the Maximum Number Of Simultaneous Links subfield in the Basic Multi-Link element to 0.  A multi-radio non-AP MLD shall set the Maximum Number Of Simultaneous Links subfield in the Basic Multi-Link element carried in transmitted Management frames to a value equal to or larger than 1.  A MLD shall be capable of simultaneously transmitting or receiving frames on affiliated STAs up to a value indicated in the Maximum Number Of Simultaneous Links subfield in the Basic Multi-Link element plus 1, under the rules defined in subclauses below. | | | | | |