IEEE P802.11
Wireless LANs

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| D3.0 comment Misc. CIDs |
| Date: 2023-06-28 |
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Abstract

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

 15094, 15121, 15351, 16385, 16574, 16713, 17856

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 |
| 15094 | 61 | 12 | There is no definition of EMLMR | Please add, potentially using same wording as in 35.3.18 or referencing 35.3.18 | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 15094 |
| 15121 |   |   | While EMLSR operation is defined in 3.3, EMLMR operation is not defined. To clearly understand what EMLMR operation is, its definition is required. | As in comment. | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 15121 |
| 15351 | 61 | 11 | There is a definition of enhanced multi-link single radio (EMLSR) operation, but no corresponding defintion of enhanced multi-link multi-radio (EMLMR) operation | Add a definition of enhanced multi-link multi-radio (EMLMR) operation. | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 15351 |
| 16385 | 54 | 51 | I am still unconfortable with the lack of eMLMR definition while eMLSR has one. If we cannot define what this mode really is, I don't know how this could be deployed and interoperable in the field. Maybe something like this could work: "enhanced multi-link multiple radio (EMLMR) operation: A mode of operation that allows a non-access point (non-AP) multi-link device (MLD) with multiple radios in multiple links to listen on a set of enabled links when the corresponding STAs affiliated with the non-AP MLD are in awake state for an initial control frame sent by only one AP affiliated with an AP MLD followed by frame exchanges that satisfy the non-AP STA capabilities specifically renegotiated for this frame exchanges." | Add eMLMR definition | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 16385 |
| 16574 |   |   | A definition for EMLMR operation is missing (compared to EMLSR existing definition). Please add a corresponding definition. | As in comment | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 16574 |
| 16713 |   |   | A definition of EMLMR needs to be given, and these need to make it clear how this differs from EMLSR (and maybe also from e.g. SMPS) | As it says in the comment | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 16713 |
| 17856 | 61 | 19 | Definition of enhanced multi-link multi radio(EMLMR) operation is missing. | Add definition of EMLMR operation. | RevisedGenerally agree with the commenter.TGbe editor to make changes in THIS DOCUMET with CID tag 17856 |

**3. Definitions, acronyms, and abbreviations**

**3.2 Definitions specific to IEEE 802.11**

*TGbe editor: Please add the following definition at the end of 3.2:*

(#15094, 15121, 15351, 16385, 16574, 16713, 17856) **enhanced multi-link multi-radio (EMLMR) operation:** A mode of operation that allows a non-access point (non-AP) multi-link device (MLD) with multiple receive chains to listen on a set of enabled links when the corresponding stations (STAs) affiliated with the non-AP MLD are in awake state

1. In a TXOP initiated by an AP affiliated with the AP MLD on an EMLMR link of the non-AP MLD, the EMLMR STA in the link is capable of receiving the initial frame in a PPDU by using the EHT MCS, Nss defined by the Supported EHT-MCS And NSS Set field of the STA’s EHT Capabilitites element, and is capabe of receiving the following frames in the PPDUs by using the EHT-MCS, Nss defined by the EMLMR Supported MCS And NSS Set subfield of the STA.
2. In a TXOP initiated by a STA of the non-AP MLD in an EMLMR link, the EMLMR STA in the link is capable of transmitting the frames in EHT PPDU by using the EHT-MCS, Nss defined by the EMLMR Supported MCS And NSS Set subfield of the STA.