IEEE P802.11  
Wireless LANs

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| CR for 35.3.16.2 | | | | |
| Date: 2023-09-05 | | | | |
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Abstract

This submission proposes comments resolution of the following 3 CIDs received for TGbe LB275:

CIDs:

19440

19513

19657

19452

19878

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: update the resolution of CID 19657; Add 19878 which transferred from Liwen.

***TGbe editor: The baseline for this document is IEEE 802.11be D4.1***

1. **Introduction**

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. The introduction and the explanation of the proposed changes are not part of the adopted material.

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| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 19440 | Guogang Huang | 35.3.16.2 | 554.56 | BA agreement is MLD level,need to mention that the BA agreement is timeout when there's no frame exchange of that TID on any of the setup links during the timeout duration | as in the comment | Revised  Agree with the commenter in general and the following paragraph is added  “ A block ack agreement between two MLDs may be torn down if there are no BlockAck, BlockAckReq, or MPDUs received from the peer under the block ack agreement on any setup link(s) on which the TID for the block ack agreement is mapped for the direction matching the BA agreement, within a duration of block ack timeout value (see 11.5.4 (Error recovery upon a peer failure).”  TGbe editor: no further modification is needed.  Note to the commenter: The comment has already been resolved through CID 19456 in document 11-23/1415r2 with the same resolution. |
| 19513 | Michael Montemurro | 10.3.2.11 | 48.32 | [WFA-R] Can "not NSTR limited" be replaced with "STR capable"? Note: Reducing the number of negatives will improve clarity. | As in comment | Rejected  There is a clear definition of NSTR limited in subclause 10.3.1 (General). Based on the definition, “not NSTR limited” is not equivalent to “STR capable”. Current statement is more accurate than STR capable.  “ *A STA is NSTR limited if all of the following conditions are true:*  *—the STA is affiliated with an MLD that has at least one NSTR link pair*  *—the STA has received the RTS on a link that belongs to an NSTR link pair*  *—another STA affiliated with the same MLD, is a TXOP holder or responder on the other link of the NSTR link pair on which the RTS was received*  *If at least one of the above conditions is false, then the STA is not NSTR limited.*” |
| 19657 | Yongho Seok | 35.3.16.2.1 | 554.50 | "A single radio non-AP MLD with dot11EHTEMLSROptionActivated equal to true shall set the Maximum Number Of Simultaneous Links subfield in the Common Info field of the Basic Multi-Link element to 0." This sentence is already covered by the previous sentence unless a single radio non-AP MLD with dot11EHTEMLSROptionActivated equal to false can have a non-zero value in Maximum Number Of Simultaneous Links subfield. Remove this sentence or change to NOTE. | Remove "A single radio non-AP MLD with dot11EHTEMLSROptionActivated equal to true shall set the Maximum Number Of Simultaneous Links subfield in the Common Info field of the Basic Multi-Link element to 0." Or change to NOTE after removing "shall". | Revised  The group can not reach consensus on delete or remove the sentence idenfied by the comment.  That sentence is used to clarify how to set the Maximum Number Of Simultaneous Links subfield for EMLSR non-AP MLD in Basic Multi-Link element. There is no technical issue or ambiguity for current statement. |
| 19452 | ZHI MAO | 35.3.16.2 | 554.26 | It is not clear what is a non-AP MLD's operation NSS capability in EMLMR mode if the non-AP MLD intend to do some update | Add the details on the non-AP MLD's operation | Revised  Based on the discussion during LB271, a non-AP MLD in EMLMR mode may update its NSS capabilities after responds an initial control frame by transmitting an EML Operation Notification frame.  One sentence is added to make it clear.  TGbe editor to make the modifications with the CID tag 19452 in doc 11-23/1798r1 |
| 19878 | Yunbo Li | 568 | 29 | How to update the NSS in EMLMR mode is missing. | Add the details on how the EML OM is updated through OMN frame. | Revised  Based on the discussion during LB271, a non-AP MLD in EMLMR mode may update its NSS capabilities after responds an initial control frame by transmitting an EML Operation Notification frame.  One sentence is added to make it clear.  TGbe editor to make the modifications with the CID tag 19452 in doc 11-23/1798r1 |

***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).***

1. **Proposed spec text**

***TGbe editor: Modify the paragraphes in 35.3.16.2 (Multi-link device capability and operaton signaling) as follows:***

**35.3.16.2 Multi-link device capability and operation signaling**

A single radio non-AP MLD shall set the Maximum Number Of Simultaneous Links subfield in the Common Info field of the Basic Multi-Link element to 0.

(#19657)NOTE 1 — A single radio non-AP MLD with dot11EHTEMLSROptionActivated equal to true sets the Maximum Number Of Simultaneous Links subfield in the Common Info field of the Basic Multi-Link element to 0.

An AP MLD might take into account the information provided by associated non-AP MLDs in the Frequency Separation For STR subfield in their transmitted Multi-Link elements when the AP MLD intends to set up BSSs in the future referring to the information provided by those non-AP MLDs or switch the BSS operating channel of one or more of the setup links with those non-AP MLDs. How the AP MLD uses the information provided by the Frequency Separation For STR subfield is out of scope of the standard.

(#19657)NOTE 2—The non-AP MLD ensures that the minimum frequency separation indicated in the Frequency Separation For STR subfield starts from the frequency edge of the maximum supported bandwidth indicated by the Supported Channel Width Set subfield in the HE Capabilities element and the Support For 320 MHz in 6 GHz subfield in the EHT Capabilities element of each link.

***TGbe editor: Modify the paragraphes in 35.3.18 (Enhanced multi-link multi-radio operation) as follows:***

**35.3.18 Enhanced multi-link multi-radio operation**

A non-AP MLD with dot11EHTEMLMROptionActivated equal to true shall indicate the number of spatial streams NSS that it supports for reception and transmission on any EMLMR link after responding to the initial frame in the EMLMR Supported MCS And NSS Set subfield of the EML Control field of the EML Operating Mode Notification frame. A non-AP MLD in EMLMR mode may transmit an EML Operating Mode Notification frame with EMLMR Mode subfield equal to 1 to update the number of spatial streams NSS that it supports for reception and transmission on any EMLMR link after responding to the initial frame. (#19452)

***End of change***