IEEE P802.11
Wireless LANs

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| Comment Resolutions for 11be D4.0 Supported features CIDs |
| Date: 2023-11-02 |
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Abstract

This submission proposes resolutions of comments received from TGbe LB275 (TGbe Draft 4.0).

* CIDs: 19129, 19645, 19733, 19854, 20004 (5 CIDs)

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Added ”In a non-AP MLD, optional support for AP addition”
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.

***Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e. they are instructions to the 802.11be 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 | Commenter | Clause  | Page | Line | Comment | Proposed Change | Resolution |
| 19129 | Bo Sun | 4.3.16a | 62 | 14 | An EHT AP is not supposed to support MLO, unless it's an AP affiliated with an AP MLD and the affiliated AP could perform part of MLO actions. | Change to "In an EHT AP, mandatory support for MLO when the EHT AP is an affiliated AP." | **REJECTED.**P489L20 states: “An EHT AP shall set dot11MultiLinkActivated to true and shall be affiliated with an AP MLD.” This means it is mandatory for an EHT AP to support MLO. |
| 19645 | Massinissa Lalam | 4.3.16a | 61 | 62 | Based on the maturity of EHT-MCS 15 feature, its support should be optional in an RU | As in comment | **REJECTED.**P654L32 states that the support of EHT-MCS 15 is mandatory for all RU sizes. |
| 19733 | Abhishek Patil | 4.3.16a | 62 | 10 | Add optional support for 1:1 ML Reconfiguration procedure (see 35.3.6.4) | Add a new bullet" - In an MLD, optional support for adding or removing one or more links to an existing ML setup without requiring reassociation (i.e., ML resetup)" | **REVISED.**Agree with the comment to add the ML reconfiguration feature. The resolution is same as that for CID 20004. Text is added as suggested by CID 20004. TGbe editor to make the changes shown in IEEE 802.11-23/1667r1 under all headings that include CID 20004. |
| 19854 | Rojan Chitrakar | 4.3.16a | 62 | 9 | ML reconfiguration feature is missing | Add ML reconfiguration | **REVISED.**Agree with the comment to add the ML reconfiguration feature. The resolution is same as that for CID 20004. Text is added as suggested by CID 20004. TGbe editor to make the changes shown in IEEE 802.11-23/1667r1 under all headings that include CID 20004. |
| 20004 | Binita Gupta | 4.3.16a | 62 | 41 | Add text describing mandatory/optional support for ML Reconfiguration procedures for the MLD:An AP MLD provides optional support for ML Reconfiguration procedure for Adding and Removing affiliated APs in clause 35.3.6. A non-AP MLD is required to support ML Reconfiguration AP Removal announced through Reconfiguration ML element. Both AP MLD and non-AP MLD optionally support ML reconfiguration procedure for Link Reconfiguration in clause 35.3.6.4/5. | Add following text:- In a non-AP MLD, mandatory support for ML Reconfiguration procedure for AP Removal.- In an AP MLD, optional support for ML Reconfiguration procedure for Adding and Removing affiliated APs.- In an MLD, optional support for ML Reconfiguration procedure for Link Reconfiguration | **REVISED.**D4.0 P514L63 states: “At the TBTT indicated by the value of the AP Removal Timer subfield in transmitted Reconfiguration Multi-Link elements, an associated non-AP MLD **shall** consider the link corresponding to the removed AP nonexistent, and the SME of the non-AP MLD shall delete any information maintained for that link.”. It means that support for ML Reconfiguration procedure for AP Removal is mandatory for a non-AP MLD. Text is added as suggested.TGbe editor to make the changes shown in IEEE 802.11-23/1667r1 under all headings that include CID 20004. |

Baseline text: P802.11be\_D4

**4.3.16a Extremely high throughput (EHT) STA**

*TGbe editor: Modify the subclause as below (Track changes ON):*

…

The main MAC features in an EHT STA that are not present in HE STA or VHT STA or HT STA are the following:

…

—In a non-AP MLD, mandatory support for TTLM negotiation with value 1 as described in Table 9-404j (Subfields of the MLD Capabilities And Operations subfield)

(#20004)—In a non-AP MLD, mandatory support for ML reconfiguration procedure for AP removal

—In a non-AP MLD, optional support for TTLM, wherein all the TIDs can be mapped to a subset of links that are set up, with some TIDs mapped to other links as well

—In a non-AP MLD, optional support for STR operation

—In a non-AP MLD, optional support for NSTR operation—In an AP MLD, optional support for TTLM negotiation

(#20004)—In a non-AP MLD, optional support for AP addition

 (#20004)—In an AP MLD, optional support for ML Reconfiguration procedure for adding and removing affiliated APs.

—In an MLD, optional support for EMLSR mode

…

—In an MLD, optional support for ML traffic indication

(#20004)—In an MLD, optional support for ML Reconfiguration procedure for link reconfiguration

—In an MLD, optional support for alignment of TWT agreements across multiple links

—Optional support for EPCS priority access operation