IEEE P802.11
Wireless LANs

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| 802.11be Resolution for CIDs  |
| Date: June 24, 2021 |
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 Abstract

This submission proposes resolutions for the following comments submitted during CC34 for 11be D0.3:

1084, 1151, 1152, 2293, 3314, 3365.

Rejected comments are in bold. Revised comments are underlined. Transferred comments are struck through. All other comments are accepted.

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 TGbc 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** | **Commentor** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1084 | Alfred Asterjadhi | 35.1 | 125 | 18 | It is beneficial for the reader to find a list of features and enhancements from MAC perspective as well. Similar to what PHY introduction does. | As in comment | Revised.Text additions are below. Note that some features are not yet defined in the current draft, so further changes may be needed in later drafts. |
| 1151 | Alfred Asterjadhi | 35.1 | 125 | 56 | I thought there is no "MLD" until after association. Please clarify. I think here it should simply be EHT STA to discover... | As in comment. | Revised.Clause should have been 35.3.1.Text Changes are below. |
| 1152 | Alfred Asterjadhi | 35.1 | 125 | 59 | Channel access and frame exchange over multiple links will also depend on other factors (e.g., PS states, available links, operational constraints etc). Perhaps just replace "based on the supported capabilities exchanged during association" with " as defined in the subclauses below" | As in comment. | Revised.Clause should have been 35.3.1.Text Changes are below. |
| 2293 | Michael Montemurro | 35.3.1 | 125 | 53 | What is the relationship between an EHT STA and a MLD? This subclause should at least explain the relationship. Presumably an EHT STA can optionally support MLO. | Add "An EHT STA can operate as a MLD to support multi-link operation." at the beginning of the cited clause. | Accept.Text changes are below. |
| 3314 | Yunbo Li | 35.3.1 | 125 |   | "Multi-link operation (MLO) enables a non-AP MLD to discover, authenticate, associate, and set up multiple links with an AP MLD." The concept of ML association and ML setup are the same, only need to keep one of them. | as in comment. | Revised.Text changes are below that use ‘associate’ to ‘set up’ the links. |
| 3365 | Zhiqiang Han | 35.3.1 | 125 | 57 | What is the difference between associate and setup?Please clarify it. | Setup reuses the association procedure, so it's better to leave one here, association or setup. | Revised.Text changes are below that use ‘associate’ to ‘set up’ the links. |

35.1 Introduction

An EHT STA supports the MAC and MLME functions defined in Clause 35 (Extremely high throughput (EHT) MAC specification) in addition to the MAC functions defined in Clause 26 (High efficiency (HE) MAC specification) and Clause 10 (MAC sublayer functional description), the MLME functions defined in Clause 11 (MLME), and the security functions defined in Clause 12 (Security) except when the functions in Clause 35 (Extremely High Throughput (EHT) MAC specification) supersede the functions in Clause 10 (MAC sublayer functional description), Clause 11 (MLME), Clause 12 (Security), or Clause 26 (High efficiency (HE) MAC specification).

An EHT STA supports TXOP protection and preamble puncturing for bandwidth up to 320 MHz.

An EHT STA supports MAC features to enable multi-link operation including: advertising multi-link information through management frames; Per-STA Profiles, which may be communicated in partial or complete form during management frame exchanges; and MLD addressing to singly identify an MLD.

An EHT STA supports MLD features through MLD discovery behavior, multi-link (re)setup procedures including setup, security and tear down procedures and MLD link management.

An EHT STA implements multi-link block ack procedures; BSS parameter critical update procedure; general multi-link management procedures ; and multi-link power management procedures.

An EHT STA multi-link frame delivery procedures; and multi-link channel access procedures.

An EHT STA supports enhanced single radio operation for MLDs, enhanced multi-link multi-radio operation procedures, NSTR soft AP MLD operation and MLD Multi-BSSID operation

An EHT STA supports MU operation.

AN EHT STA supports EHT sounding protocol.

An EHT STA supports restricted TWT operation.

An EHT STA supports NSEP priority access operation with procedures for enabling and disabling priority access.

**35.3 Multi-link operation**

**35.3.1 General**

An EHT STA can operate as an MLD to support multi-link operation (MLO). MLO enables an EHT STA (1151) to discover, authenticate, and associate to set up multiple links with an AP MLD. Each link enables channel access and frame exchanges between the non-AP MLD and the AP MLD as defined in the subclauses below.