IEEE P802.11  
Wireless LANs

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| LB271: CR for 35.3.4.3 | | | | |
| Date: March 14, 2023 | | | | |
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Abstract

This submission proposes resolutions for following 3 CIDs received for TGbe LB271:

15395, 15396, 15974

**Revisions:**

* Rev 0: Initial version of the document.
* Rev 1: Added green tags.
* Rev 2: Remove resolution for CID 16785.

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** | **Commenter** | **Section** | **Pg.Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 15395 | John Wullert | 35.3.4.3 | 494.34 | The text refers to a single reported AP, when one or more APs may be described in the multi-link probe response | Revise text at the end of the bullet to say "...carrying a Basic Multi-Link element with complete profiles of one or more reported APs." | **Accepted**  TGbe editor: please note that changes are shown in document 11-23/368r2 tagged as 15395. |
| 15396 | John Wullert | 35.3.4.3 | 494.40 | The text refers to a single reported AP, when one or more APs may be described in the Reduced Neighbor Report element | Revise text as "...includes the MLD Parameters subfield in the TBTT Information field corresponding to one or more reported APs. A non-AP MLD infers the relationship between the reported AP(s) and the reporting AP..." | **Accepted**  TGbe editor: please note that changes are shown in document 11-23/368r2 tagged as 15396. |
| 15974 | Binita Gupta | 35.3.4.3 | 494.48 | Add "...based on the MLD MAC Address" at the end of the sentence to clarify what parameter is used to determine this. | Change to "...that include the Basic Multi-Link subelement are affiliated with the same AP MLD based on the MLD MAC Address." | **Revised**  Agree with the commenter in principle. It is clarified that the receiving non-AP MLD determines the relationship based on the MLD MAC Address subfield of the Common Info field.  TGbe editor: please implement the changes shown in document 11-23/368r2 tagged as 15974. |

***TGbe editor: Please note Baseline is 11be D3.0***

**35.3.4.2 Non-AP MLD behavior**

***TGbe editor: Please update the following paragraphs and bullets as shown below [CID 15974, 16785, 15395, 15396]***

A non-AP MLD discovers an AP MLD and its affiliated APs when a non-AP STA affiliated with the non-AP MLD receives (#15974) one or more of the following:

* a Basic Multi-Link element carried in a Beacon frame or Probe Response frame, that is not a multilink probe response, transmitted by an AP affiliated with the AP MLD or by the AP corresponding to the transmitted BSSID in the same multiple BSSID set as at least one of the APs affiliated with the AP MLD.
* a multi-link probe response from an AP affiliated with the AP MLD or the AP corresponding to the transmitted BSSID in the same multiple BSSID set as at least one of the APs affiliated with the AP MLD carrying a Basic Multi-Link element with a complete profile of one or more reported APs (#15395).
* either a Beacon, Probe Response or FILS Discovery frame transmitted by an AP (reporting AP) and the frame carries a Reduced Neighbor Report element that includes the MLD Parameters subfield in the TBTT Information field corresponding to one or more reported APs (#15396). A non-AP MLD infers the relationship between the reported AP(s) (#15396) and the reporting AP by decoding the AP MLD ID subfield of the MLD Parameters subfield in the Reduced Neighbor Report element and following the rules described in 35.3.4.1 (AP behavior).
* a Management frame and the frame carries a Neighbor Report element. A non-AP MLD determines that two or more APs reported in different Neighbor Report elements that include the Basic Multi-Link subelement are affiliated with the same AP MLD based on the MLD MAC Address subfield of the Common Info field of the Basic Multi-Link elements (#15974). The reported APs are affiliated with the same AP MLD if the values carried in MLD MAC Address field of the Common Info field of the Basic Multi-Link element of the reported APs are the same.

A non-AP MLD can use the information it gathers from a Reduced Neighbor Report element and a Basic Multi-Link element to decide whether to perform multi-link setup with an AP MLD.

A non-AP MLD can use the information it receives from a Neighbor Report element to make a decision on performing multi-link (re)setup (see 35.3.5 (Multi-link (re)setup)) or BSS transition (see 4.5.3.2 (Mobility types) and 35.3.23 (BSS transition management for MLDs)).