IEEE P802.11  
Wireless LANs

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| LB266 CR for Miscellaneous CIDs | | | | |
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Abstract

This submission proposes resolutions of comments received from TGbe comment collection LB266 based on TGbe D2.2.

13368 13916 11743 13370 13369 10737 11559 10117 10121 12228 12591 14049 (12 CIDs)

Revisions:

* Rev 0: Initial version of the document.

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** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Submission** |
| 13368 | 35.3.10 | 435.21 | The "shall" requirement for single link non-AP MLD is not necessary. | update the text according to the comment. | Revised-  Agree with the comment in principle. Apply the changes marked as #13368 in this document. |
| 13916 | 35.3.10 | 435.22 | move this paragraph to be after the next paragraph | move this paragraph to be after the next paragraph | Accepted- |
| 11743 | 35.3.10 | 435.23 | Semantically incorrect. Rephrase the sentence. | as in comment | Revised-  Agree with the comment in principle. The sentence is rephrased. Apply the changes marked as #11743 in this document. |
| 13370 | 35.3.10 | 435.25 | The Association Response transmitted by an AP affiliated with AP MLD that doesn't support Multiple BSSID and that has transmitted BSSID is not covered. | update the text according to the comment. | Rejected-  The missing case that commenter mentioned is on page 433 line 44 of 802.11be draft 2.0. |
| 13369 | 35.3.10 | 435.44 | The shall requriement is not right since a non-AP MLD may choose no usage of the link whose critical update happens. | update the text according to the comment. | Rejected-  The comment is partially true. However, there is issue when the non-AP MLD chooses to use the link where critical update happened. In this case, the non-AP MLD needs to retrieve the update before the frame exchange, which results in a delay. To have unified and simpler text, it is better not to specify this non-typical case. |
| 10737 | 35.3.10 | 435.51 | When we use ML probe request and response to retrieve critical update information, it is efficient to obtain the critical updates only which happened based on BPCC instead of complete profile. | As in the comment, we need to enhance ML probe request and response to obtain critical updates only which happened based on BPCC | Rejected-  This was discusssed in the group that didn't reach consensus. It will increase the complexity on the AP side with a minor benefit of overhead reduction. |
| 11559 | 35.3.4.4 | 418.33 | "is expected to" should be changed to "should"; it is better to use normative language | as in comment | Rejected-  After checking 802.11 REVme draft 1.4, there are many places where “is expected to” is used. The commenter has not provided enough detail as to where the changes should be made. |
| 10117 | Tables | 38.46 | For NSD,short, the SD,short is not placed in the subscript position. | As in the comment. | Rejected.  It is a framemaker problem for cross-reference. It is beyond the control of the editor. |
| 10121 | Tables | 38.48 | The name of Table 36-48 is not completed. | As in the comment. | Rejected.  It is a framemaker problem for cross-reference. It is beyond the control of the editor. |
| 12228 | Abstract | 2.04 | The abstract (and Introduction Page 3) needs to be updated for DMG and EDMG operation. | change the 2nd half of the 1st sentence to "...with carrier frequency operation between 1 and 7.250 GHz, 57.24 and 70.20 GHz while ensuring backward compatibility and coexistence with legacy IEEE Std 802.11 compliant devices operating in the 2.4 GHz, 5 GHz, 6 GHz and 60 GHz bands." | Rejected-  This amendment is for Sub7 GHz, not for mmWave bands. |
| 12591 | 9.4.1.6 | 179.09 | There are no units of maximum values of Beacon intervals, as cited in the following sentence:" The value is in units of the maximum value of beacon intervals corresponding to the links that the non-AP MLD intends to setup in the (Re)Association Request frame maximum value of beacon intervals". Please rephrase the sentence as proposed | The sentence should be rephrased as follows: "The value equals to the maximal value of beacon intervals corresponding to each of the links that the non-AP MLD intends to setup in the (Re)Association Request frame" | Revised-  The commenter misundersood the text. To make it clearer, the cited sentence has been clarified. Apply the changes marked as #12591 in this document. |
| 14049 |  | 428.13 | Change to "unless the MSDU/A-MSDU/MMPDU stated above is transmitted to another STA affiliated with the same non-AP MLD and in active mode." | As in comment. | Revised-  Agree with the comment in principle. Apply the changes marked as #14049 in this document. |

**Discussion:** None.

***TGbe editor: Please modify the subclause 35.3.10 BSS parameter critical update procedure as follows***

**35.3.10 BSS parameter critical update procedure**

An AP affiliated with an AP MLD corresponding to a nontransmitted BSSID in a multiple BSSID set shall include in the (Re)Association Response frame it transmits a BSS Parameters Change Count subfield for each of all APs affiliated with the AP MLD.

—The BSS Parameters Change Count subfield for each of the other AP(s) affiliated with the AP MLD shall be carried in the STA Info subfield in the Per-STA Profile subelement of Basic Multi-link element corresponding to that AP where each of the other AP(s) is identified by the Link ID subfield of the STA Control field of the Per-STA Profile subelement.

—The BSS Parameters Change Count subfield for the nontransmitted BSSID shall be carried in the Common Info field in the Basic Multi-Link element where the AP is identified by the Link ID subfield of the Common Info field in the Basic Multi-Link element

NOTE 1—In a multiple BSSID set, an AP corresponding to the nontransmitted BSSID responds to a (Re)Association Request frame by transmitting a (Re)Association Response frame that does not include the Multiple BSSID element. The Basic Multi-Link element carried in the (Re)Association Response frame transmitted by an AP affiliated with an AP MLD carried information of the AP MLD and complete profile of other AP(s) affiliated with the same MLD.

A non-AP MLD operating with more than one affiliated non-AP STA shall maintain a record of the most recently received BSS Parameters Change Count subfield value for each associated AP affiliated with the AP MLD. (#13368, 13916, 11743)

**9.4.1.6 Listen Interval field**

For MLO, the Listen Interval field is used to indicate to the AP MLD how often at least a STA affiliated with a non-AP MLD wakes to listen to Beacon frames if all STAs affiliated with the non-AP MLD are in power save mode. This field is derived from the ListenInterval parameter when present as a parameter of an MLME primitive. The value of this field is in units of the maximum beacon interval value (with respect to the beacon interval value corresponding to each of the links that the non-AP MLD intends to setup in the (Re)Association Request frame). (#12591)

**35.3.7.1 TID-to-link mapping**

**35.3.7.1.1 General**

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***TGbe editor: Please modify the following paragraph***

If a STA affiliated with a non-AP MLD is in active mode on a link with a set of TIDs mapped for DL transmission, its associated AP affiliated with the AP MLD shall transmit to the STA:

—MSDUs/A-MSDUs with that set of negotiated TIDs for the non-AP MLD, and

—MMPDUs that are not a TPC Request frame or a Link Measurement Request frame for the non-AP MLD or its affiliated STAs,

unless the MSDUs/A-MSDUs/MMPDUs stated above are (#14049) transmitted to another STA affiliated with the same non-AP MLD and in active mode.