IEEE P802.11  
Wireless LANs

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| LB266 – CR for CIDs related to 35.3.25 | | | | |
| Date: 2020-07-0 | | | | |
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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 10661 | 35.3.25 | 480.16 | The intention of the sentence is not clear. In addition, the sentence seems to be conflicting with the next paragraph which states that there are certain exceptions to be applied. | Consolidate the two paragraphs as: "If a STA affiliated with an MLD has dot11... equal to true, then it shall follow the procedure defined in 11.21.7.1 (...) except that: " | Revised – the reference to 11.21.7.1 in this first sentence is just for setting dot11BSSTransitionActivated to true. Rephrase slightly the sentence to make it clearer. Apply the changes marked as #10661 in this document. |
| 13010 | 35.3.25 | 480.16 | Does a STA affiliated with MLD always have dot11BSSTransitionActivated equal to true? Or this first paragraph meant to say when a STA have dot11BSSTransitionActivated set to true? | See comment. | Reject – STA affiliated with MLD always has dot11BSSTransitionActivated equal to true. |
| 13824 | 35.3.25 | 480.17 | The first two sentences of this subclause can be merged to make the text more compact | Please mrege the first two sentences of this subclause | Revised – agree with the commenter. Apply the changes marked as #13824 in this document. |
| 13011 | 35.3.25 | 480.20 | The STA follow 11.21.7 only when it intends to transit its associated BSS, right? This paragraph reads as if a STA affiliated with an MLD always initiate the BSS transition procedure. | Fix the text as pointed out in the comment. | Reject – it is already clear in 11.21.7 that there are conditions to follow the procedure. |
| 12685 | 35.3.25 | 480.23 | Need to emphasize that the "AP" refers to AP affiliated with AP MLD and the "STA" refers to STA affiliated with non-AP MLD, in the following sentence: "the procedure is applied between the SMEs of an AP MLD and a non-AP MLD and not between the SMEs of \*an AP and a STA\*" | Please revise the sentence as follows: "the procedure is applied between the SMEs of an AP MLD and a non-AP MLD and not between the SMEs of an AP \*affiliated with an AP MLD\* and a STA \*affiliated with a non-AP MLD\*" | Revised – agree with the commenter. Apply the changes marked as #12685 in this document. |
| 10662 | 35.3.25 | 480.25 | The second bullet doesn't read correctly. | Reword the 2nd bullet as: "If Basic Multi-Link element is carried within a Neighbor Report element that is included in the BSS Transition Candidate List Entry field of ..." | Revised – rephrase the sentence to ease the understanding . Apply the changes marked as #10662 in this document. |
| 10663 | 35.3.25 | 480.31 | Clarify in the 3rd bullet that it is Basic variant of Multi-Link element | As in comment | Revised – agree with the commenter. Apply the changes marked as #10663 in this document. |
| 10087 | 35.3.25 | 480.40 | "set to 0 all subfields of the Presence Bitmap field" -> "set to 0 all subfields of the Presence Bitmap subfield" | as in the comment, also for line 50 | Accept |
| 10664 | 35.3.25 | 480.47 | There is no need to include Link ID field in the Common Info field. The presence of per-STA profile is sufficient to differentiate between AP MLD recommendation vs recommendation of APs affiliated with a reported AP MLD. In the former case, only the AP MLD MAC is present while in the latter case, the presence of per-STA profile subelement indicates the reported AP and each AP corresponding to the per-STA profile subelement are recommended. | Delete the 2nd and 3rd sub bullets of the 5th bullet | Reject – currently, with Basic ML element, we don’t include a per-STA profile for the reporting AP, that’s why we have a few fields that are STA specific in the common part. We follow the same approach here. |
| 12819 | 35.3.25 | 480.58 | This subclause doesn't incorporate the Link Removal Imminent field. Some changes are needed in this subclause in order to be accurate. | Apply the changes described in the comment. A proposal is defined in doc 1208r12 | Revised - agree with the commenter. Harmonize the subclause with the changes made to introduce Link Removal Imminent field. Apply the changes marked as #12819 in this document. |

1. **Introduction**
2. **Proposed spec text**

**35.3.25 BSS transition management for MLDs**

A STA affiliated with an MLD has dot11BSSTransitionActivated equal to true (#10661, #13824) (see 11.21.7.1 (BSS transition capability)), as andshall follow the procedure define in 11.21.7 (BSS transition management for  
network load balancing), except that:

(#12685)— the procedure is applied between the SMEs of an AP MLD and a non-AP MLD and not between the SMEs of an AP affiliated with an AP MLD and a STA affiliated with a non-AP MLD.

(#10662)— if the Neighbor Report element that is carried in the BSS Transition Candidate List Entries field of a BSS Transition Management Query/Request or Response frame includes a Basic Multi-link element, it describes the preference for a target AP MLD candidate and not for a target BSS candidate, otherwise it describes the preference for a target BSS candidate.

(#10663)— The Preference field value of a Neighbor Report element that includes a Basic Multi-link element describing an AP MLD provides the indication of preference for the given AP MLD, within the given list at the given time.

— If an AP MLD intends to provide preference for a reported AP MLD without recommendation on specific affiliated APs, it shall:

• include a Neighbor Report element for one of the APs affiliated with the AP MLD, and include a Basic Multi-link element in the Neighbor Report.

• set to 0 all subfields of the Presence Bitmap (#10087)subfield.

• not include any Per-STA Profile subelement in the Basic Multi-link element.

— If an AP MLD intends to provide preference for a reported AP MLD with only a subset of  
recommended affiliated APs, it shall:

• include a Neighbor Report element for one of the recommended APs affiliated with the AP MLD, and include a Basic Multi-link element in the Neighbor Report element.

• include a Link ID Info field in the Common Info field of the Basic Multi-link element with the field value set to that corresponding to the AP reported in the Neighbor Report element.

• set to 0 all subfields of the Presence Bitmap (#10087)subfield except the Link ID Info Present subfield.

• include a Per-STA Profile subfield only for each of the other recommended affiliated APs (if any), and with all the fields set to 0 in the STA Control field, except the Link ID field. If multiple Neighbor Report elements are used to report the same AP MLD with the same recommended subset of affiliated APs, the Preference field value in these elements shall be the same. If multiple Neighbor Report elements are used to report the same AP MLD with different recommended subset of affiliated APs, the Preference field value in these elements may be different.

— When an AP affiliated with an AP MLD transmits a BSS Transition Management Request frame (#12819) with the Link Removal Imminent subfield set to 0 and the Disassociation Imminent field set to 1 to a non-AP MLD, the Disassociation Timer field in the BSS Transition Management Request frame shall be set to 0 or set to the number of TBTTs that will occur prior to the AP MLD disassociating the non-AP MLD.

— When an AP affiliated with an AP MLD transmits a BSS Transition Management Request frame (#12819) with the Link Removal Imminent subfield set to 0 and the BSS Termination Included field set to 1 to a non-AP MLD, the BSS termination means that the AP MLD is shutting down, and the non-AP MLD will be disassociated from the AP MLD.

(#12819)— A non-AP MLD shall follow the procedure defined in 35.3.6.2.2 (Removing affiliated APs) when receiving a BSS Transition Management Request frame with the Link Removal Imminent subfield set to 1.

NOTE—An AP MLD can use this protocol to recommend a non-AP MLD to do MLD (re)association with the same AP MLD with a different set of links.