IEEE P802.11
Wireless LANs

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| Recirculation-SA-Ballot-CR-for-MLO |
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Abstract

This submission proposes resolutions of comments received from TGbe SA Ballot based on TGbe D6.0.

 23011 23088 23091 23092 23093 23102 (6 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** | **Resolution** |
| 23011 | 35.3.15.1 | 582.48 | This clause does not define a rule which states that the AP MLD upper MAC layer assigns a SN to the MLD groupcast data frame before distributing to affiliated APs for transmission over each of the links. Text on P83L64 specifies this, but so requirement is captured. | Add requirement that the AP MLD assigns SN to MLD groupcast data frame before sending to affiliated APs. | Rejected-The corresponding SN assignment by AP MLD is described in 10.3.2.14 (Duplicate detection and recovery), please refer to SNS11 in Table 10-5—Transmitter sequence number spaces. No further change is needed. |
| 23088 | 35.3.4.2 | 530.28 | A transmitter is required to conform to the size and duration limits specified in Table 9-34. Therefore, if a non-AP were to request complete profile of several APs, and the responding AP is unable to fit them in a single multi-link probe response, then the AP is required to include only a subset of the requested profiles. However, the language in NOTE 7 is ambiguous (i.e., "it is possible", "might not") and does not clearly state that the AP is required to conform to the specified limits. | Replace the NOTE as follows: "If a non-AP MLD has requested, in its multi-link probe request, the complete profile of several (or all) APs affiliated with an AP MLD (either explicitly or implicitly by not including the Link Info field in the Probe Request Multi-Link element) and if the responding AP is unable to fit all the requested profiles due to either the size or the duration or both the limits specified in Table 9-34 (Maximum data unit sizes and durations), then the AP shall include only a subset of the requested profiles that it can fit to conform with the specified limits." | Revised-Agree with the comment. Apply the changes marked as #23088 in this document. |
| 23091 | 35.3.16.8.3 | 594.46 | "An assisting AP affiliated with the AP MLD should schedule a Trigger frame for transmission to the associated non-AP STA...,if the assisting AP does not have frame exchanges already scheduled with another non-AP STA.." By this "should", the AP can always be irresponsible and the mechanism will be in no use. Moreover there is capability for AP to support this action and the corresponding condition (not have frame exchanges). It needs to be a shall. [m] | As in the comment | Rejected-The comment was discussed in 11-24/340r1, the group didn’t consensus on that. |
| 23092 | 35.3.16.8.3 | 594.33 | When a STA of a non-AP MLD is exchanging frames with an AP affiliated with an AP MLD on one of the EMLSR links, the other STAs affiliated with the same non-AP MLD on the EMLSR links lose medium synchronization. This is similar to the blindness issue of the NSTR non-AP MLD operation. The AP assisted medium synchronization recovery procedure has been specified for non-AP MLD with a NSTR pair in IEEE 802.11be Draft 6.0. But the AP assisted medium synchronization recovery procedure or rules for non-AP MLD in EMLSR mode need to be clarified. [m] | Suggest to specify the AP assisted medium synchronization recovery procedure or rules for non-AP MLD operating in EMLSR/EMLMR mode. | Rejected-The comment was discussed in 11-24/340r1, the group didn’t consensus on that. |
| 23093 | 35.3.16.8.3 | 574.33 | The first paragraph in subclause 35.3.16.8.3 (AP assisted medium synchronization recovery procedure) mentions AAR could be used for the case of blindness by using "help a non-AP STA affiliated with a non-AP MLD that has lost medium synchronization". However, there is mismatch between the first paragraph and the third paragraph, the third paragraph only mentions the case of NSTR. Moreover, the other non-AP STA that belongs to the same NSTR link pair may not lose medium synchronization. So it is not correct to say AAR is for NSTR. It should keept the same wording, like that has lost medium synchronization [m] | Please make the change to the third paragraph such that it matches the first paragraph. | Rejected-The comment was discussed in 11-24/340r1, the group didn’t consensus on that. |
| 23102 | AG.9.3 | 1057.22 | Figure AG-35 and AG-36: "may" (normative language in an informative clause). In this case elsewhere it is stated that the AP MLD may (is permitted to) discarded the DL BU (yes?) and so "might" is my best guess. | change "may" to "might" | Accepted- |

**35.3.4.2 Use of multi-link probe request and response**

***TGbe Editor: please change the following note***

NOTE 7—If a non-AP MLD has requested, in its multi-link probe request, the complete profile of several (or all) APs affiliated with an AP MLD (either explicitly or implicitly by not including the Link Info field in the Probe Request Multi-Link element), then it is possible that the responding AP might not be able to fit all the requested profiles due to size or duration limits specified in 9-34 (Maximum data unit sizes and durations) and the responding AP might include only a subset of the requested profiles that it can fit to conform with the specified limits (#23088).