IEEE P802.11
Wireless LANs

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| LB 275 CR for 35.3.7.6 Non-AP MLD operation parameter update |
| Date: 2023-09-05 |
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Abstract

This submission proposes resolutions for following 5 CIDs received for TGbe LB275

: 19079 19107 19108 19779 19849

Revision History:

* Rev 0: Initial version of the document

***TGbe editor: The baseline for this document is 11be D4.0***

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).***

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| **CID** | **Commenter** | **Clause** | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 19079 | Pei Zhou | 35.3.7.6 | 531.36 | In line 25 of page 531, "Before receiving the Multi-Link Operation Update Response frame, the non-AP STA affiliated with the non-AP MLD shall not apply xxx." means that the operation parameter update is not successful yet. But line 36 describes a condition: an operation parameter update is successful if an AP affiliated with an AP MLD transmits an MultiLink Operation Update Response frame with the Status Code equal to the value 0 (SUCCESS). What if the AP affiliated with an AP MLD transmits an MultiLink Operation Update Response frame with the Status Code equal to the value 0 (SUCCESS), while the non-AP STA affiliated with an non-AP MLD doesn't receive this frame (due to other reasons)? | Change "An operation parameter update is successful if a STA affiliated with an MLD receives or transmits an MultiLink Operation Update Response frame with the Status Code equal to the value 0 (SUCCESS)" to "An operation parameter update is successful if a non-AP STA affiliated with an non-AP MLD receives an MultiLink Operation Update Response frame with the Status Code equal to the value 0 (SUCCESS)." | **Revised.**Agree with the commenter in principle. Add “successfully” in L35P531 before “transmits and receives” so that the case which the Multi-link Operation Update Response frame is transmitted but is not received successfully is excluded. ***TGbe editor: please implement changes as shown in this document tagged 19079.***  |
| 19107 | Kazuto Yano | 35.3.7.6 | 531.15 | Please remove unnecessary spaces between "DENIED\_" and "OPERATION", and between "PARAMETER" and "\_UPDATE". | As in comment. | **Accepted** |
| 19108 | Kazuto Yano | 35.3.7.6 | 531.40 | Please remove the unnecessary space between "PARAMETER" and "\_UPDATE". | As in comment. | **Accepted** |
| 19779 | Abhishek Patil | 35.3.7.6 | 530.30 | This is not link management. Instead, it is updating the capabilities of one or more setup links while maintaining the association context using the ML reconfiguration framework. Move this subclause under 35.3.6 which describes the ML reconfiguration procedures. | As in comment | **Revised.**Agree with the commenter in principle. Relocate the subclause to 35.3.6 as a new subclause.***TGbe editor: please implement changes as shown in this document tagged 19779.*** |
| 19849 | Vishnu Ratnam | 35.3.7.6 | 530.33 | A non-AP MLD with dot11EHTEMLMROptionActivated = True that associates with an AP MLD with dot11EHTEMLMROptionActivated = False, should be allowed to update MCS-NSS Sets for each of its links without a need for re-association. Such an update can be triggered by network conditions or AP removal by the AP MLD. | Propose a mechanism for indication of the updated MS-NSS Sets by transmitting a ML Reconfiguration element or using the Operating Mode Notification procedure. Some example mechanisms are described in 11-23/634r1. | **Rejected.**There are many Supported MCS and NSS sets defined in the baseline and 11be specs and the commenter does not specify which set(s) allowed to be updated. Each set is used for different generations or for a specific operation mode. For example, the EMLMR Supported MCS And NSS Set is defined in EML Control field so that a better way to update the set may be using EML OMN frames. In addition, current non-AP MLD operation parameter update can be triggered by multiple conditions, and not everyone is suitable to trigger the MCS and NSS set update. Also, the SP1 result of 11-23/634r0 indicates that the group did not reach consensus on the proposal. (see 11-23/543r9) |

***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.***

**No Discussion.**

TGbe editor: Relocate the following subcluse to 35.3.6 as a new subcluse (#19779)

TGbe editor: M***ake the following changes in the subclause as below.***

**35.3.7.6 Non-AP MLD operation parameter update**

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After receiving the Multi-Link Operation Update Response frame in which the Status Code field is equal to the value 0 (SUCCESS), the non-AP STA affiliated with the non-AP MLD shall apply the operation parameters indicated in the Operation Parameter Info subfield in the Reconfiguration Multi-Link element of the corresponding Multi-Link Operation Update Request frame.

An operation parameter update is successful if a STA affiliated with an MLD successfully (#19079) receives or transmits an Multi-Link Operation Update Response frame with the Status Code equal to the value 0 (SUCCESS).

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