IEEE P802.11  
Wireless LANs

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| LB271 CR for subclauses 9.2.5.2 and 9.6.35.8 | | | | |
| Date: 2023-04-25 | | | | |
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Abstract

This submission proposes resolutions of comments received from TGbe comment collection LB271 based on TGbe D3.0.

15498 15961 16231 17783 17784 (5 CIDs)

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Adding green tags (Alfred) + several minor suggestions

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** |
| 15498 | 9.2.5.2 | 155.12 | Not clear whether the relationship between the subbullets is ‘and’ or ‘or’. | Add ‘or’ at the end of each subbullet.  Or change to “that includes any of the following:” | Revised-  Agree with the comment in principle. Apply the change marked as #15498 in this document. |
| 15961 | 9.6.35.8 | 322.40 | Description for EML Control field is missing for EML Operating Mode Notification frame. | Add the missing field description as per comment. | Revised-  Agree with the comment in principle. Apply the change marked as #15961 in this document. |
| 16231 | 9.6.35.8 | 322.04 | EML operation does not appear to be defined. I think it should be EML operating mode. In addition, the text about what the frame is used for should not be in clause 9. | Change the cited paragraph as follows:  "The EML Operating Mode Notification frame is used to indicate that a non-AP MLD is changing its EML operating mode." | Revised-  Agree with the first comment on the definition of EML operation.  Regarding the second comment, however, a brief introduction on the frame usage is needed for readability (like subclauses 9.6.35.2 to 9.6.35.7 for instance).  Apply the change marked as #16231 in this document. |
| 17783 | 9.6.35.8 | 322.07 | Missing article | "with the non-AP MLD." | Accepted- |
| 17784 | 9.6.35.8 | 322.42 | Probably unintendedly ambiguous antecedent (It => " EML Operating Mode Notification frame") | Try "The field" | Revised  Agree in principle with the commenter. Accounted for the suggested changes and improved the sentence for added clarity.  Apply the change marked as #17784 in this document. |

**Discussion:** None.

***TGbe Editor: please modify the following paragraphs***

**9.2.5.2 Setting for single and multiple protection under enhanced distributed channel access (EDCA)**

Change the second paragraph as follows:

The STA selects between single and multiple protection when it transmits the first frame of a TXOP. All subsequent frames transmitted by the STA in the same TXOP use the same class of duration settings. A STA always uses multiple protection in a TXOP that includes(#15498) one or more of the following:

* Frames that have the RDG/More PPDU subfield equal to 1
* PSMP frames
* VHT/HE NDP Announcement frames, Beamforming Report Poll frames or BFRP Trigger frames
* S1G Beacon frames
* Frames transmitted by an S1G STA with the TXVECTOR parameter RESPONSE INDICATION equal to Long Response
* MU-RTS TXS Trigger frame

***Change the item a) 2) of the fourth paragraph as follows (not all lines shown):***

The Duration/ID field is set as follows:

* 1. Single protection settings.
     1. In an RTS frame that is not part of a dual clear-to-send (CTS) exchange and is not part of a BDT exchange, the Duration/ID field is set to the estimated time, in microseconds, required to transmit the pending frame, plus one CTS frame, plus one Ack or BlockAck frame if required, plus any NDPs required, plus explicit feedback if required, plus applicable IFSs.
     2. In an MU-RTS Trigger frame that is not an MU-RTS TXS Trigger frame, the Duration/ID field is set to the estimated time, in microseconds, required to transmit the pending frame(s), plus one CTS frame, plus the time to transmit the solicited HE TB PPDU if required, plus the time to transmit the acknowledgment for the solicited HE TB PPDU if required, plus applicable IFSs.

**9.6.35.8 EML Operating Mode Notification frame details**

The EML Operating Mode Notification frame is used to indicate that a non-AP MLD with which the trans­mitting STA is affiliated is changing its EML operation (#16231) (see 35.3.17 (Enhanced multi-link single radio operation) and 35.3.18 (Enhanced multi-link multi-radio operation)) and is used by an AP affiliated with an AP MLD(#17783), as a response to the received EML Operating Mode Notification frame from the soliciting non-AP STA affili­ated with(#17783) the non-AP MLD.The Action field of the EML Operating Mode Notification frame contains the information shown in Table 9-623j (Protected EML Operating Mode Notification frame Action field format).

The Category field is defined in 9.4.1.11 (Action field).

The Protected EHT Action field is defined in 9.6.35.1 (Protected EHT Action field).

The Dialog Token field is set by a non-AP MLD to a nonzero value chosen by the non-AP MLD and is set by an AP MLD to the value copied from the corresponding received EML Operating Mode Notification frame.

(#15961)The EML Control field is defined in 9.4.1.74 (EML Control field).

The EMLSR Parameter Update field is optionally present in the EML Operating Mode Notification frame. The EMLSR Paramer Update field is present if the EMLSR Parameter Update Control subfield of the EML Control field is equal to 1 and the EML Operating Mode Notification frame is sent by a non-AP STA affiliated with a non-AP MLD; otherwise not present. The EMLSR Parameter Update field is defined in 9.4.1.76 (EMLSR Parameter Update field) (#17784).