IEEE P802.11  
Wireless LANs

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| LB 271 CR for CID 17315 | | | | |
| Date: 2023-07-07 | | | | |
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Abstract

This submission proposes resolutions for following 1 CID received for TGbe LB271:

17315

Revision History:

* Rev 0: Initial version of the document

***TGbe editor: The baseline for this document is 11be D3.2***

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** |
| 17315 | Alfred Asterjadhi | 35.15.1 | 641.29 | Are there other operation update types? I guess not. Suggest simplifying to improve readibility and also please add a reference to the subclause that defines these update rules. | As in comment. | **Revised**  In CR of CID 15874, references are added.  Also. there are newly added operation update types so that we need to specify the value set in the Operation Update Type subfield but the operation type value set for “Operation Parameter Update” is inconsistent after the addition. The inconsistency is fixed accordingly.  TGbe Editor: please implement changes as shown in this document tagged 17315. |

***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: M***ake the following changes in the subclauses as below.***

**9.7.3 A-MPDU contents**

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NOTE 4—If a STA supports A-MSDUs of 7935 octets (indicated by the Maximum A-MSDU Length field in the HT Capabilities element or in (#17791)a Reconfiguration Multi-Link element with (#17874)(#16136)Operation Update Type subfield in the STA Control field equal to 1(#17315) and Maximum A-MSDU Length Present subfield in the STA Info field equal to 1 (see 35.3.7.6 (Non-AP MLD operation parameter update(#15874)))), A-MSDUs transmitted by that TA within an A-MPDU carried in a PPDU with FORMAT HT\_MF or HT\_GF or within an MPDU carried in a non-HT PPDU are constrained so that the length of the QoS Data frame carrying the A-MSDU is no more than 4095 octets. The 4095-octet MPDU length limit does not apply to A-MPDUs carried in VHT, HE, EHT or DMG PPDUs. The use of A- MSDU within A-MPDU might be further constrained as described in 9.4.1.13 (Block Ack Parameter Set field) through the operation of the A-MSDU Supported field.

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# 10.11 A-MSDU operation

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A STA shall not transmit an A-MSDU in an HT PPDU if the A-MSDU length exceeds the value indicated by the Maximum A-MSDU Length field of the HT Capabilities element or in Reconfiguration Multi-Link element with (#17874)Operation Update Type subfield equal to 1(#17315) (#17324)of a successful operation parameter update (see 35.3.7.6 (Non-AP MLD operation parameter update(#15874))) received from the recipient STA.

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## 35.3.7.6 Non-AP MLD operation parameter update(#15874)

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An operation parameter update capable non-AP STA affiliated with a non-AP MLD may notify an operation parameter update capable AP affiliated with the associated AP MLD of (#16868)a change in its operation parameters by transmitting a Multi-Link Operation Update Request frame including a Reconfiguration Multi-Link element with Operation Update Type subfield set to 1(#17315) after one of the following conditions occurs:

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Otherwise, the non-AP STA shall not transmit a Multi-Link Operation Update Request frame with (#17874)Operation Update Type subfield set to 1(#17315).

In the Reconfiguration Multi-Link element of a Multi-Link Operation Update Request frame with Operation Update Type subfield set to 1(#17315) transmitted by a non-AP STA affiliated with a non-AP MLD:

* all subfields in the Presence Bitmap subfield of the Multi-Link Control field in the Reconfiguration Multi-Link element shall be set to 0;
* all subfields of the STA Control field in the Reconfiguration Multi-Link element except the Link ID and Operation Parameters Present subfields shall be set to 0;
* the Link ID subfield shall be set to the identifier of the link to which the operation parameters apply;
* the Operation Parameters Present subfield shall be set to 1;
* the Operation Parameters subfield shall indicate the updated operation parameters (as applicable) (#16053)for the link identified by the value of the Link ID subfield.

An AP affiliated with an AP MLD shall not transmit a Multi-Link Operation Update Request frame.

An operation parameter update capable AP affiliated with an AP MLD that received a Multi-Link Operation Update Request frame including a Reconfiguration Multi-Link element with Operation Update Type subfield equal to 1(#17315) shall respond with a Multi-Link Operation Update Response frame. The Status Code subfield of the Multi-Link Operation Update Response frame shall be set to one of 0 (SUCCESS) or (#16872)141 (DENIED\_ OPERATION\_PARAMETER \_UPDATE).

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**35.15.1 Basic EHT BSS operation**

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In the 2.4 GHz band, an EHT STA shall not transmit (#16203)a PPDU to a recipient EHT STA that carries a frame that is not an EHT Compressed Beamforming/CQI frame (see 35.7.3 (Rules for EHT sounding protocol sequences)) and that exceeds the maximum MPDU length capability indicated in the EHT Capabilities element or in Reconfiguration Multi-Link element with (#17874)Operation Update Type subfield equal to 1(#17315) (#17324)of a successful operation parameter update (see 35.3.7.6 (Non-AP MLD operation parameter update(#15874))) last received from the recipient EHT STA.

In the 5 GHz band, an EHT STA shall not transmit an EHT PPDU to a recipient EHT STA that carries a frame that is not an EHT Compressed Beamforming/CQI frame (see 35.7.3 (Rules for EHT sounding protocol sequences)) and that exceeds the maximum MPDU length capability indicated in the VHT Capabilities element or in Reconfiguration Multi-Link element with (#17874)Operation Update Type subfield equal to 1(#17315) (#17324)of a successful operation parameter update (see 35.3.7.6 (Non-AP MLD operation parameter update(#15874))) last received from the recipient STA.

In the 6 GHz band, an EHT STA shall not transmit an EHT PPDU to a recipient EHT STA that carries a frame that is not an EHT Compressed Beamforming/CQI frame (see 35.7.3 (Rules for EHT sounding protocol sequences)) and that exceeds the maximum MPDU length capability indicated in the HE 6 GHz Band Capabilities element or in Reconfiguration Multi-Link element with (#17874)Operation Update Type subfield equal to 1(#17315) (#17324)of a successful operation parameter update (see 35.3.7.6 (Non-AP MLD operation parameter update(#15874))) last received from the recipient EHT STA(#16203).

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