IEEE P802.11  
Wireless LANs

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| **TGbe D2.0 LB266 Comment Resolution**  **for intra-BSS and inter-BSS PPDU classification** |
| **Date:** 2022-10-31 |

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Abstract

This submission proposes a resolution for the following 1 CID received for TGbe LB266:

* 14097

Revisions:

- Rev 0: Initial version of the document.

- Rev 1: Change resolution and propose new text in 35.2.3.

- Rev 2: Change “more than one STAs” to “more than one STA”

- Rev 3: Replace “addressed to more than one STA" with "that is not in an EHT SU transmission"

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).***

***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** | **Commenter** | **Clause**  **(page.line)** | **Comment** | **Proposed Change** | **Resolution** |
| 14097 | Li-Hsiang Sun | 35.2.3  (404.44) | "except that a STA shall classify a received PPDU as an inter-BSS PPDU if the PPDU is an EHT MU PPDU with the RXVECTOR parameter UPLINK\_FLAG equal to 0, and the STA is an AP"  But in Table 36-28 UPLINK\_FLAG "A value of 0 indicates the PPDU is addressed to a non-AP STA" for a TDLS EHT MU PPDU, and in 35.13 Intra-PPDU power save for non-AP EHT STAs "The conditions that apply to an HE MU PPDU shall also apply to an EHT MU PPDU". This means non-AP STA receiving a intra-BSS TDLS PPDU may be in doze mode.  In EHT, there is not a choice of sending EHT PPDU in SU format in direct link. The rules above may result in that AP classifies the intra-BSS TDLS PPDU as inter-BSS PPDU and may perform SR to send DL EHT PPDUs, but the recipient non-AP STAs are in doze mode | Change to "except that a STA shall classify a received PPDU as an inter-BSS PPDU if the PPDU is an EHT MU PPDU with the RXVECTOR parameter UPLINK\_FLAG equal to 0, and the STA is an AP, and and the  RXVECTOR parameter BSS\_COLOR is not 0 and is not the BSS color of the BSS of which the STA is a member" | **Revised**  Based on the comment, the current requirement defined in 35.2.3, “a STA shall classify a received PPDU as an inter-BSS PPDU if the PPDU is an EHT MU PPDU with the RXVECTOR parameter UPLINK\_FLAG equal to 0, and the STA is an AP”, does not cover the intra-BSS classification case where the EHT MU PPDU is addressed to only one STA in a TDLS link with UPLINK\_FLAG set to 0.  Therefore, the revised text provides a restriction to add “addressed to more than one STAs” for the EHT MU PPDU.  Please note that the other cases can be covered based on the existing rules from 26.2.2.  **TGbe editor, please make changes as shown in doc 11-22/1669r3 tagged as CID 14097.** |

**Propose:**

***TGbe editor: Please note that the baseline is 11be D2.2.***

**35.2.3 Intra-BSS and inter-BSS PPDU classification for EHT STA**

An EHT STA shall follow the rules defined in 26.2.2(Intra-BSS and inter-BSS PPDU classification) to classify intra-BSS and inter-BSS PPDU, except that a (#14097)classifying STA shall classify a received PPDU as an inter-BSS PPDU if the PPDU is an EHT MU PPDU (#14097)that is not in an EHT SU transmission with the RXVECTOR parameter UPLINK\_FLAG equal to 0, and the (#14097)classifying STA is an AP.