IEEE P802.11
Wireless LANs

|  |
| --- |
| LB271 CR 35.14 part 1 |
| Date: 2023-03-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu |  |  |  | Liwen.chu@nxp.com |

Abstract

This submission proposes resolutions for multiple comments related to TGbe D1.0 with the following CIDs:

 17117, 17367, 15581, 17118, 17119, 16667

Revisions:

* Rev 0: Initial version of the document.

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.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **PP** | **LL** | **Comment** | **Proposed Change** | Resolution |
| 17117 | 635 | 44 | "An EHT STA in 6 GHz band" missing article | Change to "An EHT STA in the 6 GHz band" | RevisedTGbe editor: Please change “EHT STA in 6 GHz band” to “EHT STA 6G” throughout the draft. Please change “EHT STA in the 6 GHz band” to “EHT STA 6G” throughout the draft. |
| 17367 | 635 | 62 | The purpose of MU RTS Trigger frame is to set the NAV. If it is carried in EHT MU PPDU then it defeats the purpose. Provide a rationale as to why an MU RTS Trigger frame may be carried in EHT MU PPDU, alternatively remove this bullet. | As in comment. | RejectedDiscussion:The commenter is right that MU RTS can be used for NAV setting so normally the non-HT duplicate PPDU is used to carry MU-RTS. However just like the other Trigger frame, the wider BW may be used when the carried MU-RTS is too long. Please note that 11ax has the similar rule and 11be follow 11ax’s way. |
| 15581 | 636 | 1 | Change "A Control frame is carried in an EHT TB PPDU" to A Control frame shall be carried in an EHT TB PPDU" | As in comment | RejectedDiscussion: the related SHALL rule is already defined in the referred subclause, i.e. (see 35.5.2 (EHT UL MU operation)). |
| 17118 | 636 | 10 | "carried in non-HT (duplicate) PPDU" | As it says in the comment. Ditto line 17 | RejectedDiscussion: the text in P636L10 “…which case the Control frame should be carried in non-HT (duplicate) PPDU” is what the commenter asked for. |
| 17119 | 636 | 22 | "is carried in thePPDU" should be normative. Also wrong article | Change to "shall be carried in a PPDU" | RevisedDiscussion: the related SHALL rule is defined in the referred subclause, i.e. in 35.3.16.5.2 (End time alignment of response PPDUs using SRS Control field). The CID is used to fix the wrong article.TGbe editor to make changes in THIS DOCUMENT with tag 17119 |
| 16667 | 636 | 26 | It seems 1) this bullet should be applied to 6GHa band, 2) the EHT PPDU should be removed | As in comment | RevisedDiscussion: in 11ax a responding frame in the 6GHz band can be carried in HE SU PPDU if the PPDU length is no more than the non-HT duplicate PPDU per the primary rate. The reason is that all the devices in 6GHz band can decode HE SU PPDU. If EHT PPDU is used to carry the responding frame, HE STAs may need to do EIFS recovery. This is unfair to HE neighbors.TGbe editor to make changes in THIS DOCUMENT with tag 16667 |

*TGbe editor: Please change 35.13.2 as follows:*

**35.14.2 PPDU format selection**

……

An EHT STA shall send Control frames following the rules defined in 10.6.6 (Rate selection for Control frames) and 26.15.2 (PPDU format selection) with the following additional exceptions:

—A Control frame sent by an EHT AP as a response to an EHT TB PPDU may be carried in any PPDU format that is supported by the intended receivers.

—A Trigger frame that is not an MU-RTS Trigger frame may be carried in any PPDU format that is supported by the intended receivers subject to the restrictions in 35.5.2 (EHT UL MU operation).

—An MU-RTS Trigger frame may be carried in an EHT MU PPDU whose TXVECTOR parameter EHT\_PPDU\_TYPE is set to 1 (see 35.2.2.1 (MU-RTS Trigger frame transmission)).

—A Control frame is carried in an EHT TB PPDU if it is sent as a response to a PPDU that contains a Trigger frame that is not an MU-RTS Trigger frame (see 35.5.2 (EHT UL MU operation)).

—A Control frame sent by an EHT STA as a response to an EHT PPDU with EHT-MCS 15 or 14 that does not contain a Trigger frame should be carried in an EHT PPDU with EHT-MCS 15 or 14, respectively unless

•the most recently transmitted EHT PPDU by the STA that is correctly received by the transmitter of the EHT PPDU with EHT-MCS 15 or 14 was not an EHT PPDU with EHT-MCS 15 or 14 in which case the Control frame should be carried in non-HT (duplicate) PPDU.

—A Control frame sent by an EHT STA as a response to an EHT PPDU with MCS other than EHT-MCS 14 and 15 or to a non-HT (duplicate) PPDU that does not contain a triggering frame should be carried in a non-HT (duplicate) PPDU unless

•the most recent PPDU sent by the EHT STA to the recipient of the Control frame and received correctly by the peer STA was an EHT PPDU with EHT-MCS 14 or 15 in which case the Control frame should be carried in EHT PPDU with EHT-MCS 14 or 15, respectively.

—A Control frame that is not solicited by another frame and is not a Trigger frame may be carried in EHT PPDU with EHT-MCS 14 or 15 subject to the restriction defined in this subclause.

—A Control frame sent by an EHT AP as a response solicited by SRS Control field is carried in aPPDU(#17119) that satisfies the requirements defined in 35.3.16.5.2 (End time alignment of response PPDUs using SRS Control field).

(#16667)

.