IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11be D3.0 Comment Resolution for CID 18247 | | | | |
| Date: April 2023 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Li-Hsiang Sun | MediaTek |  |  | li-hsiang.sun@mediatek.com |
| Kaiying Lu |  |  |  |  |
| Yongho Seok |  |  |  |  |
| James Yee |  |  |  |  |

Abstract

The submission proposes text changes to resolve the following CID

18247

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Comment | Proposed Change | Resolution |
| 18247 | 35.2.1.2.3 | 477.20 | For TXOP sharing mode=1 or 2, AP may send an ack frame (which only has RA of non-AP but w/o TA). In this case the Duration/ID field of the ack frame should also be set with a value that indicates a time no later than the ending time of allocated duration  Furthermore, for PPDUs to AP, if UL data does not require the whole allocation duration, it is desirable for the non-AP STA to set data frame NAV ending before the end the allocation duration, so AP may get a heads up for the STA returning the TXOP to schedule next user, and sets NAV in ack accordingly | change to "After non-AP STA sending the CTS solicited by the MU-RTS TXS Trigger frame, the non-AP STA or AP shall set the Duration/ID field  of its frame(s) with a value that indicates a time no later than the ending time of the PPDU carrying the MU-RTS TXS Trigger frame plus the allocated time duration in the Allocation Duration field of the soliciting MU-RTS TXS Trigger frame." | **Revised.**  Add a bullet in 35.14.2 to strongly suggest DL Ack frame is to be sent in an EHT or HE PPDU such that the next scheduled STA in the same TXOP sets intra-BSS NAV instead of Basic NAV. |

### 35.14.2 PPDU format selection

TGbe editor: Add a bullet at the end of the 5th paragraph

…

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 (#17119)a PPDU that satisfies the requirements defined in 35.3.16.5.2 (End time alignment of response PPDUs using SRS Control field).—An EHT STA may transmit a BlockAck frame in an HE SU PPDU or in an EHT MU PPDU directed to a single EHT STA if the PPDU duration of the HE SU PPDU or EHT MU PPDU (respectively) is less than the PPDU duration of a non-HT PPDU containing the Control frame sent at the primary rate (see 10.6.6.5.2 (Selection of a rate or MCS)).

—An Ack frame sent by an EHT AP should be carried in an EHT PPDU or an HE PPDU within the time allocated by an MU-RTS TXS frame if there is a subsequent MU-RTS TXS trigger frame in the same TXOP with an allocatied time overlapping with the remaining TXOP duration indicated by the Ack frame.