IEEE P802.11  
Wireless LANs

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| CR for TXS related CIDs | | | | |
| Date: 2023-04-05 | | | | |
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|  |  |  |  |  |

Abstract

This submission proposes resolutions for following CIDs:

17799 17800

Revisions:

* Rev 0: Initial version.

The changes are relative to 11be draft 3.1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Comment | Proposed Change | Resolution |
| 17799 | 35.2.1.2.2 | 476.62 | Since Triggered TXOP sharing is not MU Data, add disablement functionality for the STA to indicate to the AP that it disables UL transmission using the Triggered TXOP sharing procedure so that the STA has the flexibility to either disable the UL MU Data or TXS based UL Data or both. | As in the comment | Revised.  Added text to OM control disablement of UL QoS data traffic for TXS procedure.  TGbe editor: Apply the changes tagged with #17799 in this document |
| 17800 | 35.2.1.2.3 | 477.07 | The reference to OM control disablement and related functionalities is missing | As in the comment | Revised.  Added text to OM control disablement of UL QoS data traffic for TXS procedure.  TGbe editor: Apply the changes tagged with #17799 in this document |

***TGbe editor: Please revise 9.2.4.7.8*** *in draft 3.1* ***as follows):***

**9.2.4.7.8 EHT OM Control**

The Control Information subfield in an EHT OM Control subfield contains information related to the OM changes for bandwidth of 320 MHz, Tx NSTS extension, and Rx NSS extension for the STA transmitting the frame containing this information (see 35.9 (Operating mode indication)) and disablement of UL Data transmission in Triggered TXOP sharing procedure(#17799). The format of the subfield is shown in Figure 9-33a (Control Information subfield format in an EHT OM Control subfield).

B0 B1 B2 B3 B4 B5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rx NSS  Extension | Channel Width Extension | Tx NSTS  Extension | Triggered TXOP Sharing UL Data Disable (#17799) | Reserved |

Bits: 1 1 1 1 2

**Figure 9-33a—Control Information subfield format in an EHT OM Control subfield**

***TGbe editor: revise Figure 9-1002ah of 11be draft 3.1 as:***

B0 B1 B2 B3 B4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| EPCS Priority Access Support | EHT OM Control Support | Triggered TXOP Sharing Mode 1 Support | Triggered TXOP Sharing Mode 2 Support | Restricted TWT Support |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bits: | 1 |  | 1 |  | 1 | 1 | 1 |
|  | B5 | B6 |  | B7 | B8 | B9 | B10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SCS Traffic Description Support | Maximum MPDU Length | Maximum  A-MPDU Length Exponent Extension | EHT TRS Support | TXOP Return Support In TXOP Sharing Mode 2 |

Bits: 1 2 1 1 1

B11 B12 B13 B14 B15

B11 B12 B13 B14 B15

|  |  |  |  |
| --- | --- | --- | --- |
| Two BQRs Support | EHT Link Adaptation Support | OM Control TXS Disable RX Support(#17799) | Reserved |

Bits: 1 2 1 1

**Figure 9-1002ah—EHT MAC Capabilities Information field format**

***TGbe editor: Insert the following entry to Table 9-401 of 11be draft 3.1 as:***

**Table 9-401l—Subfields of the EHT MAC Capabilities Information field**

|  |  |  |
| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| OM Control TXS Disable RX Support (#11702) | Indicates whether an AP supports interpretation of the Triggered TXOP Sharing UL Data Disable subfield of the EHT OM Control subfield as described in 35.2.1.2 (Triggered TXOP sharing procedure). | For an AP: Set to 1 if supported. Set to 0 otherwise. Reserved for a non-AP STA |

***TGbe editor: insert the following paragraph in P628L24 of 11be draft 3.1 as (#17799):***

**35.9 Operating mode indication**

A non-AP EHT STA that has received from the associated AP an EHT Capabilities element that has the OM Control TXS Disable RX Support subfield set to 1 and that is acting as an OMI initiator, may set the Triggered TXOP Sharing UL Data Disable subfield to 1 in the EHT OM Control subfield to indicate that transmitting UL QoS Data frames in response to an MU RTS TXS Trigger frame is suspended. The ability of the non-AP STA to respond with UL QoS Data frames to a received MU RTS TXS Trigger frame is defined as a transmit parameter, and the STA should make the change for this parameter only after the TXOP in which it expects to receive the acknowledgment from the OMI responder.

A non-AP STA shall not set the Triggered TXOP Sharing UL Data Disable subfield to 1 in an EHT OM Control field that is sent to an EHT AP that has set the OM Control TXS Disable RX Support in the EHT Capabilities element it transmits to 0.

An OMI responder shall regard the OMI initiator incapable of participating in Triggered TXOP sharing operations for uplink frame transmissions if the most recently received EHT OM Control field sent by the OMI intiator has the Triggered TXOP Sharing UL Data Disable subfield equal to 1.

***TGbe editor: revise the following paragraph in REVme draft 2.1 P3935L24 as (#***17799):

**26.9.3 Transmit operating mode (TOM) indication**

An OMI responder that has transmitted the OM Control UL MU Data Disable RX Support subfield set to 1  
shall regard an OMI initiator as incapable of participating in UL Data frame transmission in response to Basic Trigger frame ~~MU operation only for transmitting  
acknowledgments~~ (#17799) if the UL MU Disable subfield is equal to 0 and the UL MU Data Disable subfield is  
equal to 1 in the most recently received OM Control subfield from that OMI initiator.