IEEE P802.11
Wireless LANs

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| EDMG Multi-TID Aggregation Support  |
| Date: 2017-11-06 |
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Abstract

This document proposes modified draft for the sections that relate to EDMG Multi-TID Aggregation support.

***Add the changes (in red) to 9.3.1.9.8 of D0.8 as the following***

The BA Information field of the EDMG Multi-TID BlockAck frame comprises one or more instances of the Per TID Info, Block Ack Starting Sequence Control, Block Ack Bitmap subfields and RBUFCAP subfield.

Multi-TID BlockAck shall not integrate more than one BA Information field for a specific TID/TSID. The BA Information field is formatted as indicated in Figure 7.

The Per-TID Info subfield is defined in Figure 8.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0 B6 | B7 B8 | B9 B11 | B12 B15 |
|  | Reserved | AckType | BlockAck Bitmap Subfield Length | TID |
| Bits | 7 | 2 | 3 | 4 |

If the Ack Type subfield is not 00, BlockAck Bitmap Subfield Length is reserved. The AckType subfield is set as defined in Table TBD below.

|  |  |  |  |
| --- | --- | --- | --- |
| Ack Type subfield values | TID subfield values | Presence of Block Ack Starting Sequence Control subfield and Block Ack Bitmap subfields | Context of a Per TID Info subfield in a Multi-STA BlockAck frame |
| 00 | 0–15 | Present | Block acknowledgment context:Sent as a response to MPDUs in an A-MPDU that solicit an immediate block acknowledgement or to a BlockAckReq frame. |
| 10 | 0–15 | Not present | Acknowledgment context:Sent as a response to an MPDU or EDMG Single MPDU that solicits an immediate acknowledgment. |
| 11 | 0-15 | Not present | All-ack context:Sent as a response to an A-MPDU that solicits an immediate response and all MPDUs contained in the A-MPDU are received successfully. |
| 01 | N/A | N/A | Reserved |

***Add the following text in red to “11-17-1595-00-00ay-edmg-multi-tid-aggregation-support.docx”***

**10.13.TBD (New Section): EDMG A-MPDU with multiple TIDs**

A multi-TID A-MPDU transmitted in an EDMG SU PPDU may contain an MPDU or EDMG Single MPDU that solicits an immediate acknowledgment of any TID.

A multi-TID A-MPDU transmitted in an EDMG SU PPDU may contain one or more MPDUs with any of the TIDs that correspond only to the AC that is used to gain access to the medium.