IEEE P802.11
Wireless LANs

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| Comment resolutions for CID 13744 |
| Date: 2018-03-01 |
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Abstract

This submission proposes resolutions for a comment related to TGax D2.0 with the following CID:

* 13744 (1 CIDs)

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 TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

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| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 13744 | Woojin Ahn | 251.64 | The STA may aggregate QoS data frame as long as the QoS Data frame does not solicit an immediate response (e.g., Ack Policy set to No Ack) | As in comment | Revised –This CID was originally approved in 11-18/0011r2 with the following resolution:*This is not forbidden (i.e., already allowed). Please refer to the table 8-426. However during the discussions during the Ad-hoc meeting the members pointed out that allowing QoS Data (no matter what the Ack policy is) together with the control response when the TID Aggregation limit is 0 complicates the design and does not add any benefit. Proposed resolution was then to forbid this case.“*However, the proposed resolution had some minor editorial inconsistencies and misplaced the exception in one of the items (it should have been in P251L64 as pointed out by the comment), while missing its addition in one of the other items. In general, the rules follow the table 9-426 with the exemption of not allowing Data. Amended resolution in this document corrects these inconsistencies that came to light during the review of IEEE802.11ax D2.2.TGax editor to make the changes shown in 11-18/0343r0 under all headings that include CID 13744. |

**Discussion: *None.***

**27.5.3.3 STA behavior for UL MU operation**

* A-MPDU contents in an HE TB PPDU(17/1087r2)

**TGax Editor: *Change the paragraph below of this subclause as follows (#CID 13744):***

A(#6684) STA that responds to a DL MU PPDU containing MPDU(s) addressed to it that include UMRS Control field(s) follows the rules defined in 10.3.2.9 (Ack procedure) for generating the Ack frame, the rules defined in 10.24.7.5 (Generation and transmission of BlockAck frames by an HT STA or DMG STA) for generating the BlockAck frame, and the rules defined in 27.4 (HE block acknowledgement procedure) for generating the Multi-STA BlockAck frame if at least one of the received MPDUs solicits an immediate acknowledgment. The contents of the A-MPDU carried in the HE TB PPDU(#6685) shall be as defined in:

* Table 9-428 (A-MPDU contents MPDUs in the control response context) if at least one of the received MPDUs solicits an immediate acknowledgement.
* Table 9-426 (A-MPDU contents in the data enabled no immediate response context) with the exception that the A-MPDU does not contain QoS Data frames, if none of the received MPDUs solicit an immediate acknowledgement.*(#13744)*

**TGax Editor: *Change the paragraphs below of this subclause as follows (#CID 13744):***

(17/1087r2)A STA that responds to a Basic Trigger frame addressed to it shall construct the A-MPDU carried in the HE TB PPDU as defined in:

* Table 9-428 (A-MPDU contents MPDUs in the control response context) if the TID Aggregation Limit field of the User Info field addressed to the STA in the Trigger frame is 0, the Trigger frame is contained in an A-MPDU, and the STA receives at least another MPDU that solicits an immediate acknowledgment.*(#13744)*
* Table 9-426 (A-MPDU contents in the data enabled no immediate response context) with the exception that the A-MPDU does not contain QoS Data frames, if*(#13744)* the TID Aggregation Limit field of the User Info field addressed to the STA in the Trigger frame is 0 and the Trigger frame is either not contained in an A-MPDU or is contained in an A-MPDU but the STA receives no other MPDUs that solicit an immediate acknowledgment.

**TGax Editor: *Change the paragraphs below of this subclause as follows (#CID 13744):***

A STA that responds to a BSRP or BQRP Trigger frame addressed to it shall construct the A-MPDU carried in the HE TB PPDU as defined in Table 9-426 (A-MPDU contents in the data enabled no immediate response context) with the exception that the A-MPDU does not contain QoS Data frames. *(#13744)* The STA shall include in the A-MPDU at least one QoS Null frame.