IEEE P802.11
Wireless LANs

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| 11ax D4.0 Comment Resolution 21.6.4.1 Remaining CIDs |
| Date: 2019-06-19 |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D4.0 with the following CIDs:

* 20391, 20418, 21200, 21336, 21337

Revisions:

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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** | **PP** | **LL** | **Comment** | **Proposed Change** | **Resolution** |
| 20391 | 353 | 43 | An ack-enabled A-MPDU includes one or MOREQoS Data frames not sent under a block ack agreement, but only one of the frames solicits acknowledgement.' seems contradicting with Table 9-532b conditions column | Change to be consistent with Table 9-532b | RevisedDsicussion: the description of ack-enabled multi-TID A-MPDU, non-ack-enabled multi-TID A-MPDU and ack-enabled single -TID A-MPDU are descriped per EoF MPDU, non-EoF MPDU.TGax editor to make changes in 11-19/1417r1 under CID 20391. |
| 20418 | 354 | 14 | The HE MU PPDU from AP should be the exception. Otherwise the sentence in L35 should be changed. | As in comment | RejectedDiscussion: with the current text, when the TXOP limit is not 0, the AP can transmit multi-TID A-MPDU |
| 21200 | 353 | 41 | This is a sentence fragment. Do we need an "and/or" between "one Management frame soliciting acknowledgment," and "one or more QoS Data frames"? | Correct the text | Revised.Discussion: the description of ack-enabled multi-TID A-MPDU, non-ack-enabled multi-TID A-MPDU and ack-enabled single -TID A-MPDU are descriped per EoF MPDU, non-EoF MPDU.TGax editor to make changes in 11-19/1417r1 under CID 21200.  |
| 21336 | 353 | 42 | "additionally includes" The ack-enabled multi-TID A-MPDU definition seems to build on the non-ack-enabled multi-TID A-MPDU definition, although it doesn't say that. It can't build on the non-ack-enabled multi-TID definition because it is a completely seperate beast. "one or more QoS Data frames with TIDs that do not correspond to a block ack agreement" is not accurate. It is still "ack-enabled" if the QoS Data frames do belong to a block ack agreement but are sent as EOF-MPDUs. | Accurately define "ack-enabled multi-TID A-MPDU" pssibly through reference to Table 9-532c. | Revised.Discussion: the description of ack-enabled multi-TID A-MPDU, non-ack-enabled multi-TID A-MPDU and ack-enabled single -TID A-MPDU are descriped per EoF MPDU, non-EoF MPDU.TGax editor to make changes in 11-19/1417r1 under CID 21336. |
| 21337 | 353 | 44 | "not send under a block ack agreement". This is not pertinent to the definition. A QoS Data frame that is under a block ack agreement but sent as an EOF-MPDU so that it solicits an Ack frame response should be part of the definition. The definition is also not complete. An A-MPDU that includes a Trigger frame and a Management frame that solicits acknowledgement is also an ack-enable A-MPDU. | Define an ack-enabled A-MPDU as an A-MPDU that includes a frame that solicits an Ack response and one or more additional frames, none of which solicit acknowledgment. | Revised.Discussion: the description of ack-enabled multi-TID A-MPDU, non-ack-enabled multi-TID A-MPDU and ack-enabled single -TID A-MPDU are descriped per EoF MPDU, non-EoF MPDU.TGax editor to make changes in 11-19/1417r1 under CID 21337. |

**26.6.3 Multi-TID A-MPDU and ack-enabled A-MPDU**

**26.6.3.1 General**

***TGax editor: change the first paragraph in subclause 26.6.4.1 to the following:***

A non-ack-enabled multi-TID A-MPDU is an A-MPDU where no EOF MPDU is aggregated in the A-MPDU and non-EOF MPDUs from at least two TIDs are aggregated in the A-MPDU (see Table 9-532c (A-MPDU contents in the HE non-ack-enabled multi-TID response context)).. An ack-enabled multi-TID A-MPDU is an A-MPDU where at least one EOF MPDU that solicits an acknowledgement from at least one is aggregated in the A-MPDU and one or more MPDUs from at least one TID are aggregated in the A-MPDU(see Table 9-532d (A-MPDU contents in the HE ack-enabled multi-TID immediate response context)). An ack-enabled single-TID A-MPDU is an A-MPDU that contains one EOF-MPDU that solicits an acknowledgment and one or more non-EoF-MPDUs that do not solicit an immediate response ( see Table 9-532b (A-MPDU contents in the HE ack-enabled single-TID immediate response context) (#20975). (#20391, 21200, 21336, 21337)