IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11ax D2.0 Comment Resolution 10.13.1 10.13.3 | | | | |
| Date: 2018-04-30 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | Marvell |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for multiple comments related to TGax D2.0 with the following CIDs:

* 12442, 12443, 12444, 12638

Revisions:

* .

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.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **PP** | **LL** | **Comment** | **Proposed Change** | **Resolution** |
| 12442 | 192 | 57 | Change to "When an A-MPDU contains multiple QoS Control fields, bits 4 of these QoS Control fields shall..." | As in comment | **Revised**  **Discusion: 11axD2.3 already does the request change. No further change is needed.** |
| 12443 | 192 | 57 | Add the following text at the end of second paragraph "bits 5 to 6 of these QoS Control fields shall be identical across all MPDUs with equal value of the TID subfield." | As in comment | **Revised**  **Discussion: If bits 5 to 6 of QoS fields for QoS Data frames with same TID are different, some bits 5 to 6 from a TID can be Normal Ack/Implicit Block Ack, some bits 5 to 6 from the same TID can be HTP Ack. This is not allowed.**  **TGax editor to make changes in 11-18/0792r0 under CID 12443** |
| 12444 | 193 | 12 | change to "...in 9.4.2.237 (HE Capabilities element) for an HE PPDU." | As in comment | **Agree** |
| 12638 | 193 | 54 | The purpose of the Minimum MPDU start spacing is to space MPDUs sufficiently apart, for implementations that cannot accept them back-to-back. Therefore this should apply to all MPDUs, not just QoS Data/Null and Management frame | Revert all the changes made in the first para of the referenced subclause | **Rejected**  **Discussion: 11ax TG agreed that the processing of frame other than QoS Data, QoS Null and Management frame is different from the processing of QoS Data, QoS Null and Management frames.** |

**10.13 A-MPDU operation**

**10.13.1 A-MPDU contents**

***TGax editor: Change the 2nd paragraph as follows (12444, 12443):***

~~When~~ If an A-MPDU contains multiple QoS Control fields, then bit~~s~~ 4 of the QoS Control fields shall be identical and bits 8–15 of the~~se~~ QoS Control fields that have the same TID shall be identical.(#13822, #11150) Additionally bits 5—6 of the QoS Control fields that have the same TID shall be identical if the A-MPDU is addressed from one HE STA to another HE STA.(12443)

**10.13.2 A-MPDU length limit rules**

***TGax editor: Change the 1st paragraph as follows (12444):***

A STA indicates in the Maximum A‑MPDU Length Exponent field in its HT Capabilities element the maximum A‑MPDU length that it can receive in an HT PPDU. A STA indicates in the Maximum A-MPDU Length Exponent field in its VHT Capabilities element the maximum length of the A-MPDU pre-EOF padding that it can receive in a VHT PPDU. A DMG STA indicates in the Maximum A-MPDU Length Exponent field in its DMG Capabilities element the maximum A-MPDU length that it can receive. A STA indicates in the Maximum A-MPDU Length Exponent field in its HT Capabilities, VHT Capabilities and HE Capabilities elements the maximum length of the A-MPDU pre-EOF padding that it can receive in an HE PPDU. The encoding of these fields is defined in Table 9-163 (Subfields of the A-MPDU Parameters field) for an HT PPDU and HE PPDU, in Table 9-249 (Subfields of the VHT Capabilities Information field) for a VHT PPDU and HE PPDU, ~~and~~ in Table 9-229 (Subfields of the A-MPDU Parameters subfield) for a DMG STA, and in 9.4.2.237 (HE Capabilities element) for an HE PPDU.(#12444)