IEEE P802.11  
Wireless LANs

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| 11ax D3.0 Comment Resolution 27.10.1 27.10.3 | | | | |
| Date: 2018-11-01 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D3.0 with the following CIDs:

* 16252, 16683, 17088.

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.***

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| **CID** | **PP** | **LL** | **Comment** | **Proposed Change** | **Resolution** |
| 16252 | 347 | 56 | The special case for a non-zero Maximum A-MPDU Length Exponent Extension field should only apply to A-MPDUs sent between HE STAs (e.g. a non-HE VHT STA should not be required to transmit/receive more than the non-extended length) | As it says in the comment | **Revised**  **TGax editor to make changes in 11-18/1857r3 under CID 16252**  **See the changes per CID 16647** |
| 16683 | 348 | 47 | This statement assumes that the parameter "PSDU\_LENGTH" has meaning inherent in its name (i.e., PSDU\_LENGTH means number of octets in the PSDU), but this is not obvious. It also does not define how the computation is performed. | Replace statement with: "The number of octets in the PSDU, PSDU\_LENGTH, is obtained by issuing a PLME-TXTIME.request to the PHY, which performs the calculation and returns the result in the PLME-TXTIME.confirm primitive." | **Revised**  **Discussion: The original text is not suitable as the commenter indicated. The statement that the commenter provides is not necessary since sbcaluse 6.5 already defines PSDU\_LENGTH.**  **TGax editor to make changes in 11-18/1857r3 under CID 16683** |
| 17088 | 348 | 11 | “An HE STA that does not send a VHT Capabilities element”. Also at P371L51: “An HE STA shall not transmit an MPDU in an HE PPDU to a STA that exceeds the maximum MPDU length capability indicated in the VHT Capabilities element received from the recipient STA or that exceeds the Maximum A-MSDU Length in the HT Capabilities element received from the recipient STA.” But if VHT Capabilities elemeng is not sent, does it mean that the HE STA can only use max. 7935 bytes MPDU (that’s the max. A-MSDU length in HT)? More in general, is it even allowed that an HE STA can choose not to send the VHT Capabilities element? | Clarify if and when an HE STA may choose not to send the VHT Capabilities element. Also, clarify what is the max. MPDU size an HE STA can receive if it does not send the VHT Capabilities element. | **Revised**  **Generally agree with the commenter.**  **TGax editor: please make changes in 11-18/1857r3 under CID 17088.** |

**27.10 A-MPDU operation**

**27.10.1 General**

***TGax editor: change the last paragraph in 27.10.1 as follows:***

An HE STA that does not send a VHT Capabilities element but sends an HT Capabilities element and an HE Capabilities element with Maximum A-MPDU Length Exponent Extension field greater than 0 shall support in reception an A-MPDU pre-EOF padding in HE PPDU as defined in 10.13.2 (A-MPDU length limit rules) except that the maximum length for the A-MPDU pre-EOF padding shall be is equal to 2(16 + Maximum A-MPDU Length Exponent Extension) – 1. An HE STA that sets the Maximum A-MPDU Length Exponent Extension field of the HE Capabilities element to a value greater than 0 shall set the Maximum A-MPDU Length Exponent sub-field of the HT Capabilities element to 3. (#16252)

**Note: an HE STA that is a VHT STA sends the VHT Capabilities element. An HE STA that is not a VHT STA does not send a VHT Capabilities element. (#17088)**

**27.10.3 A-MPDU padding for an HE TB PPDU**

***TGax editor: change the 2nd paragraph in 27.10.3 as follows:***

The STA calculates the PSDU\_LENGTH as defined in 6.5 and initializes AMPDU\_ Length to 0. (16683)