IEEE P802.11`
Wireless LANs

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| Comment resolutions for 27.15.2 |
| Date: 2018-01-05 |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D2.0 with the following 3 CIDs:

* 13134, 13135, 12389

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** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 13134 | Po-Kai Huang | 53.38 | Why does the AP need to indicate support of setting control response frame with more data field set to 1 to the non-AP STA? The following description does not require this indication at all. | Remove the indication of More Data Ack from AP. | Reject.The text here is consistent with the text in section 9.4.1.17. |
| 13135 | Po-Kai Huang | 53.38 | Why does the TDLS peer STA need to indicate support of setting control response frame with more data field set to 1 to the other TDLS STA? The following description does not require this indication at all. | Remove the indication of More Data Ack from TDLS peer STA. | RejectThe text here is consistent with the text in section 9.4.1.17. |
| 12389 | Liwen Chu | 103.48 | change "...(Ack frames with theMore Data bit in the Frame Control field equal to 1 and remain in the awake state" to "...Ack, BA frames with theMore Data bit in the Frame Control field equal to 1 and remain in the awake state". | As in comment | Accpet.TGax editor to make changes shown in 11-17/xx. |

**Discussion: *None.***

***Tech editor: Change 9. 2. 4. 1. 8 as follows (no change, just for reference):***

**9.2.4.1.8 More Data subfield**

An AP optionally sets the More Data subfield to 1 in Ack frames sent to a non-DMG non-HE STA and in Ack, BlockAck and Multi-STA BlockAck frames sent to an HE STA. An HE AP indicates that it supports setting the More Data subfield to 1 in these control response frames by setting the More Data Ack subfield to 1 in the QoS Info field of elements it includes in frames transmitted to the STA. The QoS Info field is present in the QoS Capability, EDCA Parameter Set, and MU EDCA Parameter Set elements transmitted by an HE AP.

The AP can set the More Data subfield to 1 to indicate that it has a pending transmission for the STA if it ~~from which it~~ has received a frame that contains a QoS Capability element in which the More Data Ack subfield is equal to 1 from the STA and ~~that has one or more ACs that are delivery enabled and that is in PS mode to indicate that the AP has a pending transmission for the STA~~ one of the following conditions is true:

The STA is in PS mode and has one or more ACs that are delivery enabled (see 11.2.2.6 (AP operation during the CP)).

The STA is in PS mode and is a TWT requester or a TWT scheduled STA (see 27.7 (TWT operation))

A TDLS peer STA optionally sets the More Data subfield to 1 in Ack frames sent to a non-HE STA and in Ack, BlockAck, and Multi-STA BlockAck frames sent to an HE STA. An HE TDLS peer STA indicates that it supports setting the More Data subfield to 1 in these control response frames by setting the More Data Ack subfield to 1 in the QoS Info field of the QoS Capability element it includes in frames transmitted to the STA.

The TDLS peer STA can set the More Data subfield to 1 to indicate that it has pending transmission for the STA if it has received from the STA a TDLS Setup Request frame or TDLS Setup Response frame ~~that has TDLS peer PSM enabled and~~ that has the More Data Ack subfield equal to 1 in the QoS Capability element ~~of its transmitted TDLS Setup Request frame or TDLS Setup Response frame to indicate that it has a pending transmission for the STA.~~ and one of the following conditions is true:

The STA has TDLS peer PSM enabled (see 11.2.3.6 (AP operation during the CP)(#12155))

The STA is in PS mode and is a TWT requester or a TWT scheduled STA (see 27.7 (TWT operation)).

***Tech editor: Change the last paragraph of 9. 4. 1. 17 as follows:***

**9.4.1.17 QoS Info field**

***Change Figure 9-82 (QoS Info field when sent by an AP) as follows:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B3 | B4 | B5 | B6 | B7 |
|  | EDCA Parameter Set Update Count | Q-Ack | Queue Request | TXOP Request | ~~Reserved~~More Data Ack |
| Bits: | 4 | 1 | 1 | 1 | 1 |
| **QoS Info field when sent by an AP** |

Non-AP STAs set the More Data Ack subfield to 1 to indicate that they can process Ack and Block ACK (12389) frames with the More Data bit in the Frame Control field equal to 1 and remain in the awake state. Non-AP STAs set the More Data Ack subfield to 0 otherwise. An HE AP sets the More Data Ack subfield to 1 to indicate that it can generate individually addressed Ack, BlockAck, and Multi-STA BlockAck frames with the More Data bit in the Frame Control field equal to 1; otherwise the AP sets the More Data Ack subfield to 0. For non-HE APs, the More Data Ack subfield is reserved. An HE TDLS peer STA uses the More Data Ack subfield to indicate support for both processing and generating these control response frames.