IEEE P802.11
Wireless LANs

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| Comment resolutions for Frame Control |
| Date: 2019-05-01 |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D4.0 with the following CIDs (2 CIDs):

* 20174, 21585

Revisions:

* Rev 0: Initial version of the document. It contains same resolutions for CIDs 20174, and 21585 as proposed in 11-19/0309r0 which were deferred.

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** |
| 20174 | Chunyu Hu | 70.17 | A HE capable STA can use non-HT rate to transmit a QoS-data frame as it operates at various distance of the wireless link range. The HTC field has been a necessity for many essential 11ax features and the support is indicated by the HTC capability. For a HE capable STA that has indicated support HTC in the HE capability field, the FC bit 15 should be always interpretated as presence of +HTC field if set to 1 regardless the PPDU's format (including non-HT.) | Add a sentence to state:For a HE capable STA that has indicated support HTC in the HE capability field, the FC bit 15 should be always interpretated as presence of +HTC field if set to 1 regardless the PPDU's format (including non-HT.) | Revised –Agree in principle with the comment. Proposed resolution clarifies that the functionality is independent of the PPDU format when the carries frame is sent to an HE STA.TGax editor to make the changes shown in 11-19/0593r0 under all headings that include CID 20174. |
| 21585 | Zhou Lan | 70.17 | A HE capable STA can use non-HT rate to transmit a QoS-data frame as it operates at various distance of the wireless link range. The HTC field has been a necessity for many essential 11ax features and the support is indicated by the HTC capability. For a HE capable STA that has indicated support HTC in the HE capability field, the FC bit 15 should be always interpretated as presence of +HTC field if set to 1 regardless the PPDU's format (including non-HT.) | Add a sentence to state:For a HE capable STA that has indicated support HTC in the HE capability field, the FC bit 15 should be always interpretated as presence of +HTC field if set to 1 regardless the PPDU's format (including non-HT.) | Revised –Agree in principle with the comment. Proposed resolution clarifies that the functionality is independent of the PPDU format when the carries frame is sent to an HE STA.TGax editor to make the changes shown in 11-19/0593r0 under all headings that include CID 21585. |

**Discussion: *None.***

* +HTC subfield

**TGax Editor: *Change the paragraph below of this subclause as follows (#CID 20174, 21585):***

The +HTC subfield is 1 bit in length. The setting of the subfield is as follows:(#15194)

* It is set to 1 in a QoS Dataor Management frame transmitted with a value of HT\_GF, HT\_MF, VHT, or S1G for the FORMAT parameter of the TXVECTOR to indicate that the frame contains an HT Control field.
* It is set to 1 in an RTS frame transmitted with a value of S1G for the FORMAT parameter of the TXVECTOR to indicate that the intended recipient of the frame has permission to extend the TXOP as described in 10.50.5.4 (Relay-shared TXOP protection mechanisms).(#15194)
* It is set to 1 in a QoS Data or Management frame transmitted by a QoS CMMG STA to indicate that the frame contains a CMMG Control field.
* It is set to 1 in a QoS Data, QoS Null, or Management frame transmitted by an HE STA to another HE STA to indicate that the frame contains an HT Control field.*(#20174, 21585)*

Otherwise, the +HTC field is set to 0.

NOTE—The +HTC field is always set to 0 for frames transmitted by a DMG STA.