### IEEE P802.11Wireless LANs

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| 11ax D3.0 MAC MU-CTS Clarification |
| Date: 2019-01-15 |
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Abstract

The document proposes fixes to align the rule of Trigger frame and MU-RTS Trigger frame.

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 D3.3 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D3.3 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** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
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**Discussion:** *None.*

**Propose:** Revised per discussion and editing instructions in 11-19/0162r0.

***TGax editor: Change 27.2.6.3 CTS frame response to an MU-RTS Trigger frame: (Track change on)***

**27.2.6.3 CTS frame response to an MU-RTS Trigger frame(#15729)**

If a non-AP STA(#16592) receives an MU-RTS Trigger frame, the non-AP STA(#16592) shall commence the transmission of a CTS frame response at the SIFS time boundary after the end of a received PPDU when all the following conditions are met:

* The MU-RTS Trigger frame has one of the User Info fields addressed to the non-AP STA(#16592). The User Info field is addressed to a non-AP STA(#16592) if the AID12 subfield is equal to the 12 LSBs of the AID of the STA and the MU-RTS Trigger frame is sent by the AP with which the non- AP STA(#16592) is associated or by the AP corresponding to the transmitted BSSID if the non-AP STA(#16592) is associated with a nontransmitted BSSID and has indicated support for receiving Control frames with TA field(#15959) set to the transmitted BSSID by setting the Rx Control Frame To MultiBSS subfield to 1 in the HE Capabilities element that the non-AP STA(#16592) transmits.
* The UL MU CS condition indicates that the medium is idle (see 27.5.3.5 (UL MU CS mechanism)).

Otherwise, the non-AP STA(#16592) shall not send a CTS frame response.

NOTE—The RU Allocation subfield in the User Info field addressed to the non-AP STA indicates whether the CTS frame response is to be sent on the primary 20 MHz channel, primary 40 MHz channel, primary 80 MHz channel, 160 MHz channel, or 80+80 MHz channel as described in 9.3.1.22.5 (MU-RTS variant).

(…existing texts…)