IEEE P802.11
Wireless LANs

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| 11ax D2.0 Comment Resolution CID 11327 |
| Date: 2018-02-28 |
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Abstract

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

* 11327.

Revisions:

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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** |
| 11327 | 243 | 29 | What about the other Trigger frames? This rule should apply to all Triggers except for the ones stated below. | As in comment. | **Revised.****Discussion: The page number of the comment should be 254. In 11axD2.0, the CS Required in MU\_RTS is always set to 1, the CS Required in NDP Feedback Report Poll Trigger is either 1 or 0… An AP should also have flexibility for the setting of CS Required just like NDP Feedback Report Poll Trigger.** **TGax editor to make changes in 11-18/0424r4 under 12327**  |

**27.5.3.5 UL MU CS mechanism**

***TGax ediftor changes last three paragraphs in subclause 27.5.3.5 as follows (11327):***

The CS Required subfield in the MU-RTS Trigger frame shall be set to 1.

An AP shall transmits BRP Trigger frame with the CS Required field equal to 1 except if the Length subfield in the Common Info field of the Trigger frame is less than or equal to 76.

For Basic Trigger, BSRP Trigger, MU-BAR, BQRP and GCR MU-BAR, the AP shall set the CS Required subfield to 1 except when one of the following conditions is met:

— The RA of the Trigger frame is an individually addressed STA's MAC address, and the QoS Data frames with Ack Policy set to HE TB PPDU (HTP) Ack and/or a Management frame that solicits an acknowledgement are aggregated with the Trigger frame in an AMPDU, and the value of the Length subfield in the Common Info field of the Trigger frame is less than or equal to 418.

— The Trigger Type of the Trigger frame is either MU-BAR or GCR MU-BAR, and the value of the Length subfield in the Common Info field of the Trigger frame is less than or equal to 418.

— The value of the Length subfield in the Common Info field of the Trigger frame is less than or equal to 76.

NOTE 1—The threshold value 418 of the Length subfield in the Common Info field of the Trigger frame is obtained from the maximum HE TB PPDU duration, 584 us, that can be solicited by the UMRS Control field based on Equation (28- 16). This duration is the sum of 20 us for the L-STF, L-LTF and L-SIG fields, 20 us for the RL-SIG, HE-SIG-A and HE-STF fields, 16 us for the 4x HE-LTF field with 3.2 us GI, 512 us for 32 OFDM symbols in the Data field with 3.2 us GI, and 16 us PE field (see 9.2.4.6.4.2 (UMRS Control), 27.5.3.3 (STA behavior for UL MU operation), and 28.3.4 (HE PPDU formats)).

Note 2—The Length 76 is acquired from the duration of 128us which is acquired from the HE TB PPDU with 4 HE LTFs and PE.

An AP may transmit a NDP Feedback Report Poll Trigger frame with the CS Required subfield equal to 0 or 1.