### IEEE P802.11 Wireless LANs

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| 11ax D0.3 Comment Resolution for CID 995, 2597, 2584 | | | | |
| Date: 2016-08-29 | | | | |
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Abstract

This submission proposes resolutions for comments of TGax Draft 0.3 with the following CIDs: 995, 2597, 2584

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 D0.3 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D0.3 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** |
| 995 | kaiying Lv | 41.36 | 10.3.2.8a.3 | CTS response to MU-RTS should be further clarified | Comment resolution and supporting PPT will be provided | Revised –  Agree in principle with the commenter. After offline discussion, the concern of the author is already addressed in [16/807r2](https://mentor.ieee.org/802.11/dcn/16/11-16-0807-02-00ax-comment-resolution-on-mu-rts-cts-procedure.docx).  Specifically, the format of responding CTS, the bandwidth of responding CTS, and the RU indication for CTS response bandwidth are clarified.  TGax editor to make the changes shown in 11-16/0807r2 under all headings that include CID 13, 1727, 2428. |
| 2584 | Young Hoon Kwon | 20.30 | 9.3.1.23 | Response to a Trigger frame can be not only in Trigger based PPDU format but also in other PPDU format. For example, in case MU-RTS is transmitted, the response frame will most likely be in non-HT (duplicate) frame format. Therefore, how to set HE-SIG-A Info field in case the response frame is not in Trigger based PPDU format shall be described. | Two possible solutions are available: (i) Move contents of HE-SIG-A Info subfield to Trigger Dependent Common Info subfield. Or, (ii) Set HE-SIG-A Info subfield to a default value in case the Trigger frame solicits a response frame in non Trigger based PPDU. | Revised –  Agree in principle with the commenter. As discussed in [16/808r2](https://mentor.ieee.org/802.11/dcn/16/11-16-0808-02-00ax-comment-resolution-on-trigger-frame-format-mu-rts-variant.docx), CTS solicited by MU-RTS shall be carried in non-HT or non-HT duplicate PPDU. Hence, the subfields in MU-RTS used to solicit HE trigger-based PPDU are not used by the MU-RTS and is treated as reserved.  TGax editor to make the changes shown in 11-16/0808r2 under all headings that include CID 2222. |
| 2597 | Young Hoon Kwon | 39.39 | 10.3.2.1 | TXOP duration information is included in HE-SIG-A field. However, in some cases Duration/ID field in the MAC header is not used for "Duration" but for other purposes. One example is PS-Poll frame, in which case the Duration/ID field is used to indicate AID information. In this case, TXOP duration information in HE-SIG-A field shall indicate Duration information, not the AID information. | At the end of the second paragraph of 10.3.2.4 of REVmc\_D5.2, add the following text: "The TXOP Duration sub-field in HE-SIG-A field of a PS-Poll frame in HE PPDU format shall be set to a duration value equal to the time required to transmit one Ack frame plus one SIFS." | Revised –  Agree in principle with the commenter that the setting rule of TXOP duration field when the HE PPDU carries PS-Poll should be clarified. As discussed in [16/951r0](https://mentor.ieee.org/802.11/dcn/16/11-16-0951-00-00ax-setting-for-txop-duration-field.pptx) and [16/953r2](https://mentor.ieee.org/802.11/dcn/16/11-16-0953-02-00ax-comment-resoluaton-and-spec-text-for-setting-for-txop-duration-field.docx), if a STA transmits an HE SU PPDU, HE extended range PPDU, or HE MU PPDU that carries a PS-Poll frame, the STA shall set the TXVECTOR parameter TXOP\_DURATION to all 1s.  As a result, if the PS-Poll is decoded, then legacy NAV setting rule can be used to provide more accurate NAV setting than TXOP Duration field. If the PS-Poll is not decoded, then EIFS can be used if TXOP Duration field is decoded as discussed in 16/835r1.  Hence, the setting of TXOP Duration field for a HE PPDU carried PS-Poll frame is addressed.  TGax editor to make the changes shown in 11-16/0953r2. |

**Discussion:**

Note that document 11-16/0807r2, 11-16/0808r2, and 11-16/0953r2 have been agreed by the group in July IEEE F2F (see [16/779r6](https://mentor.ieee.org/802.11/dcn/16/11-16-0779-06-00ax-tgax-july-2016-meeting-agenda.ppt)).

**Propose:** *None*