IEEE P802.11
Wireless LANs

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| Proposed Resolution for CID 9846 |
| Date: August 29, 2017 |
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Abstract

This submission proposes resolutions for CID 9846 received for TGax LB225

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** | **Pg / Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 9846 | Young Hoon Kwon | 114.32 | 10.3.2.3.7 | As the granularity of TXOP\_DURATION parameter is coarse and the TXOP\_DURATION value shall be less than or equal to actual remaining Duration value, when TXOP\_DURATION value expires there's chance that packet transmission under ongoing TXOP duration is still going on, especially for the case that the most recent NAV update is based on TXOP\_DURATION with granularity of 128 us. In this case, not invoking EIFS may result in high chance of packet collision. Further clarification is needed. | As in the comment. | RevisedThe comment has some merit. However, non-HE STAs cannot decode TXOP\_DURATION. Therefore, presence of TXOP\_DURATION or changing the granularity of TXOP\_DURATION does not make the situation any better. Further, only HE STA that do not process the Duration field in the MAC header will encounter the issue pointed in the comment. No changes are required in section 10.3.2.3.7. The descriptive language in 27.11.5 has been updated to be normative text.**TGax editor, please make the changes as shown in document 11-17/1278r0** |

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* **TXOP\_DURATION**[9846]

TGax Editor: Please replace the 8th paragraph in this section (P275L47 D1.4) as shown below:

When an HE STA, that is not a TXOP responder, transmits an HE PPDU with the TXVECTOR parameter TXOP DURATION not set to UNSPECIFIED and the MAC header of the HE PPDU contains a Duration field it shall set the TXVECTOR parameter TXOP\_DURATION to:

* the duration information indicated by the Duration field if the value of the Duration field is smaller than 8448s.
* 8448 if the value of the Duration field is greater than 8448s.

TGax Editor: Please modify the 9th paragraph (after Note 2) in this section (P275L59 D1.4) as showing below:

When a TXOP responder transmits an HE TB PPDU carrying a PS-Poll frame with the TXVECTOR parameter TXOP DURATION not set to UNSPECIFIED, it shall calculate the potential duration information and set the TXVECTOR parameter TXOP\_DURATION in the HE TB PPDU carrying the PS-Poll frame to the value of the computed duration. The TXOP responder shall calculate potential duration information equal to the duration information indicated by the Duration field of the frame that solicits the response minus the time, in microseconds, between the end of the PPDU carrying the frame that soliciting the HE TB PPDU and the end of the HE TB PPDU. If the calculated potential duration information includes a fractional microsecond, the potential duration information shall be rounded up to the next higher integer. If the calculated potential duration information is smaller than 8448 µs, the TXVECTOR parameter TXOP\_DURATION shall be set to the calculated potential duration information. Otherwise, the TXVECTOR parameter TXOP\_DURATION shall be set to 8448.