IEEE P802.11
Wireless LANs

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| Comment resolutions for Misc CIDs |
| Date: 2018-01-05 |
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Abstract

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

* 14331, 14332, 14347

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** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 14331 | Zhou Lan | 287.42 | The UL MU Disable bit in the OM Control field is a bad design to lower down the whole network performance. Remove this bit and corresponding behavior in the spec. | as in the comment | **Rejected –****Reason is the same as the document that was initially hosting this resolution:**[**https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx**](https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx)**“Discussion:** The UL MU Disable bit has been discussed with great details in 802.11ax. The UL MU Disable field has been considered to enable a STA that is not capable to perform UL MU transmissions a possibility to obtain EDCA TXOPs similarly as the legacy STAs. Thus, this subfield ensures fairness for these STAs and improves system throughput by eliminating unsuccessful UL MU transmissions. **Proposed Resolutions to CIDS14331, 14332 and 14347:** Rejected. The UL MU Disable field allows the STAs that are not capable to transmit UL MU transmissions to obtain EDCA TXOPs similarly as the legacy STAs and it improves system throughput by eliminating unsuccessful UL MU transmissions.”Also, please refer to this document for the benefits of this bit:<https://mentor.ieee.org/802.11/dcn/16/11-16-0657-00-00ax-in-device-multi-radio-coexistence-and-ul-mu-operation.pptx> |
| 14332 | Zhou Lan | 287.42 | The UL MU Disable bit in the OM Control field is a bad design to lower down the whole network performance. Remove this bit and corresponding behavior in the spec. | as in the comment | **Rejected –****Reason is the same as the document that was initially hosting this resolution:**[**https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx**](https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx)**“Discussion:** The UL MU Disable bit has been discussed with great details in 802.11ax. The UL MU Disable field has been considered to enable a STA that is not capable to perform UL MU transmissions a possibility to obtain EDCA TXOPs similarly as the legacy STAs. Thus, this subfield ensures fairness for these STAs and improves system throughput by eliminating unsuccessful UL MU transmissions. **Proposed Resolutions to CIDS14331, 14332 and 14347:** Rejected. The UL MU Disable field allows the STAs that are not capable to transmit UL MU transmissions to obtain EDCA TXOPs similarly as the legacy STAs and it improves system throughput by eliminating unsuccessful UL MU transmissions.”Also, please refer to this document for the benefits of this bit:<https://mentor.ieee.org/802.11/dcn/16/11-16-0657-00-00ax-in-device-multi-radio-coexistence-and-ul-mu-operation.pptx> |
| 14347 | Zhou Lan | 60.38 | Remove UL MU Disable bit. It gives a backdoor for HE STA not to follow the scheduling instruction from AP and will affect the network performance. | as in the comment | **Rejected –****Reason is the same as the document that was initially hosting this resolution:**[**https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx**](https://mentor.ieee.org/802.11/dcn/18/11-18-0035-00-00ax-omi-comment-resolutions.docx)**“Discussion:** The UL MU Disable bit has been discussed with great details in 802.11ax. The UL MU Disable field has been considered to enable a STA that is not capable to perform UL MU transmissions a possibility to obtain EDCA TXOPs similarly as the legacy STAs. Thus, this subfield ensures fairness for these STAs and improves system throughput by eliminating unsuccessful UL MU transmissions. **Proposed Resolutions to CIDS14331, 14332 and 14347:** Rejected. The UL MU Disable field allows the STAs that are not capable to transmit UL MU transmissions to obtain EDCA TXOPs similarly as the legacy STAs and it improves system throughput by eliminating unsuccessful UL MU transmissions.”Also, please refer to this document for the benefits of this bit:<https://mentor.ieee.org/802.11/dcn/16/11-16-0657-00-00ax-in-device-multi-radio-coexistence-and-ul-mu-operation.pptx> |

**Discussion: *None.***