### IEEE P802.11Wireless LANs

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| 11ax D3.0 MAC Comment Resolution for ER SU Disable |
| Date: 2018-07-08 |
| Author(s): |
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Abstract

This submission proposes resolutions for comments of TGax Draft D3.0 with the following CIDs:

16602

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revise based on suggestion from Tomo.

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 D3.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D3.0 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** |
| 16602 | Po-Kai Huang | 73.50 | 9.2.4.6a.2 | The ER SU disable field in OM control is supposed to be only used by non-AP STA since AP can already disable reception of ER SU PPDU by setting the ER SU disable bit in HE Operation element. | Revise the paragraph as the following. "The ER SU Disable subfield is set to 1 by HE non-AP STA to indicate that 242-tone HE ER SU PPDU reception is disabled and is set to 0 by HE non-AP STA, to indicate that 242-tone HE ER SU PPDU reception is enabled. THe ER SU Disable subifeld is reserved for HE AP." | Revised – Agree in principle with the commenter.TGax editor to make the changes shown in 11-18/1219r1 under all headings that include CID 16602. |

**Discussion:** *None.*

**Propose:** Revised for CID 16602 per discussion and editing instructions in 11-18/1219r1.

***TGax editor: Change 9.2.4.6a.2 OM control as follows: (Track change on)***

* OM Control

If the Control ID subfield in a Control subfield of an A-Control subfield is 1, the Control Information subfield of the Control subfield contains information related to the operating mode (OM) change of the STA transmitting the frame containing this information (see 27.8 (Operating mode indication)).(#12027) The format of the subfield is shown in Figure 9-15d (Control Information subfield for OM Control).

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|  | B0        B2 | B3        B4 | B5 | B6          B8 | B9 | B10 | B11 |
|  | Rx NSS |  Channel Width | UL MU Disable | Tx NSTS | ER SU Disable(#11261) | DL MU-MIMO Resound Recommendation(18/906r7) | UL MU Data Disable(#14331) |
| Bits: | 3 | 2 | 1 | 3 | 1 | 1 | 1 |
| * Control Information subfield for OM Control(#11971)
 |

(…existing texts…..)

The UL MU Disable subfield is combined with the UL MU Data Disable subfield and the recipient's setting of the OM Control UL MU Data Disable RX Support subfield in the HE MAC capabilities to determine which HE TB PPDUs are possible by the non-AP STA to transmit these subfields, as indicated in Table 9-18b (UL MU Disable and UL MU Data Disable subfields encoding). The UL MU Disable subfield is reserved for an HE AP. The UL MU Data Disable subfield is reserved for an HE AP.(#16602)(#11261) (#11261)

(…existing texts…..)

The ER SU Disable subfield is set to 1 by an HE non-AP STA to indicate that 242-tone HE ER SU PPDU reception is disabled and set to 0 by an HE non-AP STA to indicate that 242-tone HE ER SU PPDU reception is enabled. The ER SU Disable subfield is reserved for an HE AP.(#16602)(#11261)

The DL MU-MIMO Resound Recommendation subfield is set to 1 by an HE non-AP STA to indicate that the non-AP STA suggests that the AP resound the channel with the non-AP STA. The subfield is set to 0 to indicate that the non-AP STA has no recommendation on AP's DL MU-MIMO operation. The DL MU-MIMO Resound Recommendation subfield is reserved for an HE AP.(#16602)

(…existing texts…..)