IEEE P802.11  
Wireless LANs

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| 11ax D5.0 comment resolution of various cubclauses Part2 | | | | |
| Date: 2019-11-08 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGax D4.0 with the following CIDs:

* 22359, 22360, 22361, 22107.

Revisions:

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** |
| 22359 | 84.41 |  | It is not clear how an A-Control field containing just padding is distinguished from an A-Control field containing a TRS Control all of whose fields are 0 | Set b25 of the TRS Control to 0 so it can be distinguished | **Rejected**  **Discussion: it is not possible that an A-Control field containing a TRS Control has all bits to 0. RU Allocation and UL Data Symbols can’t be both 0 since it is not enough to carry Ack/BA (26-tone RU with one symbol in Data field).** |
| 22360 | 84.41 |  | It is not clear how an A-Control field containing just padding is distinguished from an A-Control field containing a TRS Control all of whose fields are 0 | Add a para at the end of the referenced subclause "A TRS Control field specifying zero for all fields is not used." | **Rejected**  **Discussion: it is not possible that an A-Control field containing a TRS Control has all bits to 0. RU Allocation and UL Data Symbols can’t be both 0 since it is not enough to carry Ack/BA (26-tone RU with one symbol in Data field).** |
| 22361 | 84.41 |  | CID 20481. An HE STA conforming to the present amendment will have to ignore a Control field with Control ID above 6 anyway. So it is not necessary to specify that the payload has to be all-ones | In Table 10-11a--Conditions for including Control subfield variants delete "and Control Information subfield equal to all 1s and whose content can be ignored by the HE recipient STA" | **Revised**  **Generally agree with the commenter.**  **TGax editor to make changes in 11-19/2068r0 under CID 22361** |

* HT Control field operation

***TGax editor: change table 10-11a as following:***

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| * Conditions for including Control subfield variants | |
| Control subfield variant | Condition |
| TRS | The transmitting STA expects an HE TB PPDU that follows the TRS information as described in 26.5.2.2 (Rules for soliciting UL MU frames) and the recipient STA has set the TRS Support subfield in the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to 1. |
| OM | The transmitting STA changes its operating mode, as described in 26.9 (Operating mode indication) and the recipient STA has set the OM Control Support subfield in the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to 1. |
| HLA | The transmitting STA follows the HE link adaptation procedure, as described in 26.13 (Link adaptation using the HLA Control subfield) and the recipient STA has set the HE Link Adaptation Support subfield in the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to a nonzero value. |
| BSR | The transmitting STA follows the corresponding buffer status report procedure, as described in 26.5.3 (MU cascading sequence) and the recipient STA has set the BSR Support subfield in the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to 1. |
| UPH | The transmitting STA follows the UL MU operation procedure, as described in 26.5.2.3 (Non-AP STA behavior for UL MU operation). |
| BQR | The transmitting STA follows the bandwidth query report procedure, as described in 26.5.2 (UL MU operation) and the recipient STA has set the BQR Support subfield in the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to 1. |
| CAS | The transmitting STA follows either:   * The reverse direction protocol procedure described in 10.28 (Reverse Direction Protocol) and the recipient STA has set the RD Responder of the HT Extended Capabilities field in the HT Capabilities elements it transmits to 1, or * The SRP procedure described in 26.10.3 (SRP-based spatial reuse operation) and the recipient STA has set the SR Responder subfield of the HE MAC Capabilities Information field of the HE Capabilities elements it transmits to 1. |
| ONES | The transmitting STA includes an A-Control subfield(#20960) that contains a Control subfield with Control ID subfield equal to 15 and Control Information subfield equal to all 1s and whose content can be ignored by the HE recipient STA.  NOTE----an HE recipient STA also ignores the A-Control subfield whose ControlID field is 15 and whose length is less than 26. (#22361) |

**26.5.2.4 A-MPDU contents in an HE TB PPDU**

***TGax editor: change the last paragraph in 26.5.2.4 as following:***

A non-AP STA shall not include a Control subfield with a Control ID subfield set to 15 as the first A-Control subfield in the HE variant HT Control field of the frames carried in an HE TB PPDU. (#22361)

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| **CID** | **PP** | **LL** | **Comment** | **Proposed Change** | **Resolution** |
| 22107 | 273 | 56 | Remove QLRC since it is not in 11md anymore. | As in comment | **Revised**  **TGac editor to make changes in 11-19/2031r0 under CID 22107** |

**10.23.2.12 Retransmit procedures**

**10.23.2.12.1 General**

***TGac editor: Change the last paragraph in 10.23.2.12.1 as follows:***

If an HE STA transmits an HE TB PPDU, the QSRC[AC] for the associated EDCAF are not changed. (#22107)