### IEEE P802.11Wireless LANs

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| 11ax D4.0 Comment Resolution for RDG MU |
| Date: 2019-06-26 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yunbo Li | Huawei Technologies | F1-17, Huawei Base, Longgang District, Shenzhen 518129 | +86-18666203037 | liyunbo@huawei.com |
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Abstract

This submission proposes resolutions for CID 20529, 20630

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 D0.1 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D0.1 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** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 20529 | 268.21 | 10.30.4 | "The RD responder shall set the same AC as RD initiator's in thePreferred AC subfield of the Trigger Dependent User Info field in the Trigger frame." is not clear. "set the same AC" might be referring to the setting of the Preferred AC subfield by the RD responder (if it is an AP) or to the transmission of QoS Data frames by the RD responder (if it is a non-AP STA) | Delete the cited text at the referenced location | Revised The case of RD responder transmit Data frames under the condition that the AC Constraint subfield equeals to 1 is already covered in IEEE 802.11-2016. “*If the AC Constraint subfield is equal to 1, the RD responder shall transmit Data frames of only the same AC as**the last frame received from the RD initiator.”*(Page 1454, Line 1). So the commented sentence is only for the case that RD responder send Trigger frame. The sentence is modified to make it clearer.Make changes as in doc 19/xxxx. |
| 20630 | 266.08 | 10.30.2 | In the baseline, RD currently allows the RDG to be spent on other devices, so it's not clear why OFDMA should not be allowed for TB within a RD response burst | Delete "The Basic Trigger frames shall trigger the RD initiator and at least one otherSTA to dp a full bandwidth UL MU-MIMO transmission." at 266.7 | RejectedThe topic of allow UL OFDMA in RDG when AP as a RD responder is already discussed in September 2017, see doc 11-17-1440. When AP (RD responder) transmit a Trigger frame to trigger RD initiator and other STAs to do full UL MU-MIMO, the AP shall allocate a number of streams for the RD initiator that is not smaller than the number of streams of the RD initiator’s last PPDU. Similarly, when UL OFDMA is used, if the bandwith that allocated to the RD initiator is not reduced, it means AP (RD responder) must extend bandwidth larger than what the initiator obtained at the beginning of the TXOP. During the discussion, people have concern to extend bandwidth in the middle of TXOP. Because it may cause fairness issue in the secondary channels.  |

**Discussion:**

None.

***TGax editor: Modify the Paragraphs on section 10.30.4 as the following:***

**10.30.4 Reverse direction (RD) exchange sequence**

If an RD initiator sets the RDG/More PPDU field to 1 in a +HTC frame transmitted during a TXOP and sets the AC Constraint subfield to 1 in that frame, the RD responder shall set ~~the same AC as RD initiator's in~~ the Preferred AC subfield of the Trigger Dependent User Info field in the Trigger frame to the same AC as the last frame received from the RD initiator. *(#20529)*