IEEE P802.11  
Wireless LANs

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| CR for CID 17129 | | | | |
| Date: 2019-01-15 | | | | |
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Abstract

This document provides CR for CID: 17129

1. **Introduction**

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. The introduction and the explanation of the proposed changes are 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** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 17129 | Yunbo Li | 10.28.3 | 232.09 | In the last sentence, it mentions that the duration indicated by the Duration/ID field is available for the RD response burst and RD initiator final PPDU. It doesn't include the HE TB PPDU that send by RD initiator that follows the Basic Trigger that send by RD responder. | modify the text to include the HE TB PPDU that send by RD initiator. | Revised –  In current text, the duration indicated by the Duration/ID field only available for final PPDU from RD initiator. But in 11ax AP as an RD responder could send Trigger frame to solicit HE TB PPDU from RD initiator. So “ the HE TB PPDU solicited by the Trigger frame that be sent by the RD responder (if present)” is added to make it complete.  More details of discussion can be found in 11/19-0148r0. |

1. **Discussion**

In current text, the duration indicated by the Duration/ID field only available for final PPDU from RD initiator. You can see the definition of final PPDU only include immediate BlockAck frame or Ack. But in 11ax AP as an RD responder could send Trigger frame to solicit HE TB PPDU from RD initiator. The HE TB PPDU is not be included in the last sentence of modified paragraph in 10.28.3.

<IEEE 802.11-2016>

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

An RD exchange sequence comprises the following:

a) The transmission of a PPDU by a TXOP holder or SP source containing an RD grant (the *RDG PPDU*), which is indicated by the PPDU containing one or more +HTC or DMG MPDUs in which the RDG/More PPDU subfield is equal to 1. The STA that transmits this PPDU is known as the *RD initiator*. The rules for an RD initiator apply only during a single RD exchange sequence, i.e., after the transmission of an RDG PPDU and up to the end of the last PPDU in the RD exchange sequence.

b) The transmission of one or more PPDUs (the *RD response burst*) by the STA addressed in the MPDUs of the RDG PPDU. The first (or only) PPDU of the RD response burst contains at most one immediate BlockAck or Ack frame. The last (or only) PPDU of the RD response burst contains any MPDUs requiring a response that is an immediate BlockAck or Ack frame. The STA that transmits the RD response burst is known as the *RD responder*. The rules for an RD responder apply only during a single RD exchange sequence, i.e., following the reception of an RDG PPDU and up to the transmission of a PPDU by the RD responder in which the RDG/More PPDU subfield is equal to 0.

c) The transmission of a PPDU by the RD initiator containing an immediate BlockAck frame or Ack frame (the *RD initiator final PPDU*), if so required by the last PPDU of the RD response burst.

1. **Proposed changes**

***11ax Editor: Modify fist paragraph of clause 10.28.3 Rules for RD initiator as below***

**10.28.3 Rules for RD initiator**

Transmission of a +HTC or DMG frame by an RD initiator with the RDG/More PPDU subfield equal to 1 (either transmitted as a non-A-MPDU frame, as an S-MPDU, or within an A-MPDU) indicates that the dura-tion indicated by the Duration/ID field is available for the RD response burst and RD initiator final PPDU (if present). Transmission of an MPDU by an HE RD initiator that contains a CAS Control subfield with the RDG/More PPDU subfield equal to 1 indicates that the duration indicated by the Duration/ID field is available for the RD response burst, the HE TB PPDU solicited by the Trigger frame that be sent by the RD responder (if present) and RD initiator final PPDU (if present).