IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Sounding Clarification | | | | | | Date: 2018-05-09 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm | 1700 Technology Dr.  San Jose, CA 95110 |  | youhank@qti.qualcomm.com | |  |  |  |  |  | |

Abstract

This submission proposes further clarification on HE sounding.

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version

**Background and Discussion**

This document proposes text updates to help further clarify that an HE AP may use an HE TB sounding sequence in which the HE NDPA has *N* STA Info fields, while the HE AP collects feedback from *M* (*M* <= *N*) HE beamformees using one or more BFRP Trigger frames.

For example, an HE AP may transmit an HE NDPA with two STA Info fields, where

* AID11 of one of the STA Info fields is set to the value of the 11 LSB of an HE beamformee (STA1)
* AID11 of the other STA Info field is set to a different value than the one used in the above line

Then, the HE AP may send one BFRP Trigger frame which solicits response from only one STA (STA1).

**Proposed Text Updates**

*TGax Editor: Update D2.3 P298L54 as shown below.*

An HE beamformer that initiates an HE TB sounding sequence shall transmit the HE NDP Announcement frame with two or more STA Info fields and the RA field set to the broadcast address as the initial frame of the sequence.

*TGax Editor: Update D2.3 P299L25 as shown below.*

An HE beamformer that transmits an HE NDP Announcement frame to one or more HE beamformees that are non-AP STAs shall set the AID11 field in the STA Info field addressed to a non-AP STA to the 11 LSBs of the AID of the non-AP STA.

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