IEEE P802.11
Wireless LANs

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| BF Correction |
| Date: 2012-06-28 |
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Abstract

This document proposes fixes to bugs in BF in TGad D8.0.

Duration of BRP frames.

Currently, it is unclear how to set the Duration of BRP frames:

TGADeditor: Add the following text after P361L40

The Duration field within each BRP frame is set to the time remaining until the end of the current allocation.

No L-RX and TX-TRN-OK together

If L-RX>0 and TX-TRN-OK are in the same packet the peer does not know whether to transmit RX training or TX training. We propose to allow only TX-TRN-OK in this case, as the request came earlier, and cannot be replicated in the next transmission.

TGad Editor: Modify the text in P361L11-13 as follows:

If a STA requests transmit beam refinement training, but does not send TRN-T fields, the responding STA shall reply with a BRP frame containing a DMG Beam Refinement element with the TX-TRN-OK field set to 1. In this case (when TX-train-response field is equal to 0), the responding STA shall set L-RX field to 0. The requesting STA shall then transmit a BRP packet with TRN-T fields. The

Removal of table 9-17 and 9-18 because of the change not allowing L-RX and TX-TRN-OK

The table is not necessary because the initiator can change its requirements for RX and TX training in every packet. Rules should be set to give precedence to requirements from the responder coming from the SS-ACK over requirements from the initiator, with the exception of priority this time to L-RX>0 over TX-TRN-OK.

TGad editor: Modify the text in P362L14-21 as follows:

If either L-RX or TX-TRN-REQ are nonzero within the BRP Request field in the SSW-ACK frame of the most recent SLS phase execution and no MID or BC was granted during the BRP setup sub-phase and no beam refinement transaction has been done since the most recent SLS phase execution, the initiator shall initiate the beam refinement transaction with the responder by sending a BRP frame to the responder. If L-RX>0 in the SSW-ACK, the first BRP frame the initiator transmits to the responder is a BRP-RX frame. If L-RX=0 and TX-TRN-REQ=1, the first BRP frame the initiator transmits to the responder shall either have TX-TRN-OK set to 1 or L-RX>0. 9-17 9-18

***TGad Editor: remove Table 9-17 and Table 9-18***