IEEE P802.11
Wireless LANs

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| BRP Minor Fixes |
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Abstract

This document suggests minor fixes to the BF procedure in 9.36 to solve issues that came up as the draft is reviewed and implemented.

All page/line references are to P802.11REVmc\_D2.1-323

 Issue 1:

In the text as it is now, nothing prevents a STA from attaching BF training fields to any type of frame, including Beacons and Sector sweep frames. This may cause interoperability issues as the training fields change the length of the packet, and some implementation use the length and the packet count to determine the end of the sweep. We propose to disallow attaching training BF training fields to Beacons and sector sweep packets.

IEEE Editor Add the following text after P1312L42:

A frame transmitted as part of a sector sweep does not include training fields. A STA shall set the TRN-LEN parameter of the TXVECTOR to 0 for a frame transmitted as part of a sector sweep.

Issue 2:

If beam tracking receive training is requested, the next frame from the responder shall include training fields. If the request appears in the last frame in an allocation, the training fields may have to appear in control frame such as beacons or RTS frames. We propose to limit the addition of training fields to frames appearing in the same allocation.

IEEE Editor Add the following text after P1342L60-62:

subfields appended to the following packet transmitted to the initiator in the same allocation, with an MCS index greater than 0. The value of TRN-LEN in the following packet from the responder to the initiator shall be equal to the value of the TRN-LEN parameter in the RXVECTOR of the packet from the initiator. A responder may ignore a request for beam tracking within an allocation if no packets with an MCS index greater than 0 are transmitted from the responder to the initiator within the allocation.