IEEE P802.11  
Wireless LANs

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| CID-4071-4075-Resolutions | | | | |
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Abstract

Resolutions for 802.11m sponsor ballot comments 4071 and 4075

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| **CID** | **Clause** | **Comment** | **Proposed Change** |
| 4071 | 10.42.7 | The text "A STA (beam tracking initiator) may request a peer STA (beam tracking responder) to perform receive beam tracking" is ambiguous. The initiator is actually asking the peer STA to append TRN fields so the initiator may adapt its receiver. | Suggest changing text to "A STA (beam tracking initiator) may request a peer STA (beam tracking responder) to provide receive beam tracking training information to the initiator on the next PPDU transmitted by the responder. The initiator does this ..." |

**Resolution: Revise**

**Discussion:**

In receiver beamforming training, the beam tracking initiator STA needs to receive TRN sequences from it’s peer STA in order to update it’s receiver antenna weight vector. The phrase “perform receive beam tracking” in the current text is confusing and would benefit from clarification.

*Instruct the editor to modify the first paragraph from D3.2 10.42.7 Beam tracking as follows:*

A STA (beam tracking initiator) may request a peer STA (beam tracking responder) to provide receive beam tracking training information to the initiator on the next PPDU transmitted by the responder. The initiator does this by setting, in a transmitted PPDU(#1379), the TXVECTOR parameter BEAM\_TRACKING\_REQUEST to Beam Tracking Requested, TRN-LEN to the number of requested TRN (#1025)subfields as described in 20.9.2.2.3 (BRP PPDU(#1379) header fields) and PPDU\_TYPE(#2016)(#1379) to TRN-R(#2016). Otherwise, the BEAM\_TRACKING\_REQUEST parameter shall be set to Beam Tracking Not Requested.

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| **CID** | **Clause** | **Comment** | **Proposed Change** |
| 4075 | 10.42.7 | This sentence is confusing "A responder may ignore a request for beam tracking within an allocation if no PPDUs(#1379) with an MCS index greater than 0 are transmitted from the responder to the initiator within the allocation." I think it means to say that a responder only has to respond if it has PPDUs with MCS greater than 0 to send in the allocation, otherwise it doesn't have to do anything. | Try this new language: ""A responder may ignore a request for beam tracking within an allocation if it has no PPDUs with an MCS index greater than 0 to transmit to the initiator within the allocation." |

**Resolution: Accept**