IEEE P802.11  
Wireless LANs

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| CR on CIDs for 10.39.9.4 (Group Beamforming) | | | | |
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Abstract

This document proposes the comment resolution for 4 CIDs (1202, 1906, 1408, 2170) related to Clause 10.39.9.4 Group Beamforming in the Draft 1.1 of LB 231.

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| **CID** | **Commenter** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1202 | Adrian Stephens | 9.4.2.146 | 53L15 | (Editorial) The Length column should have units after the values.  (Technical) The change of GroupPairIndex(0) to 8 (unspecified units, presumably bits) from the existing 6 bits makes existing compliant 802.11ad devices non-compliant in the future, and will not enable old spec and new spec devices to interoperate. | Remove these changes. If additional size it needed for these fields, find a backwards compatible way to implement it, e.g. by defining a new element for the purpose. | Revised. Instruct the editor to add units (bits) to length column in 9.4.2.146. To address commenter concern of backward incompatibility, the OFDM mode is removed from 11ad and there should not be any legacy 11ad device implement OFDM or DTM. |
| 1906 | Oghenekome Oteri | 10.38.9.4 | 181P17 | For group beamfoming, line 17 and line 22 are in conflict. One says DTI and the other says BTI | Fix conflict. Should be BTI | Accepted. Instruct the editor to change DTI to BTI in line 10, Page, clause 10.38.9.4 of Draft 1.1 |
| 1408 | Oghenekome Oteri | 10.38.9.4 | 181P17 | In the first paragraph, it says group beamforming takes place in the DTI of a beacon interval. However, the second paragraph indicates it is performed in BTI because it is done by appending TRN-R subfields within the TRN field of a DMG Beacon frame transmitted in a BTI. This behavior specification is confusing. | Please clarify. | Rejected. Resolve in CID1906. |
| 2170 | Xiaofei Wang | 10.38.9.4 | 181L05 | It is unclear how group beamforming is conducted, is it explicitly scheduled or implicitly scheduled? If should be stated clearly if that is the case. | Please add how such group beamforming is expected to be conducted, is that explicitly scheduled or implicitly scheduled? | Revised. Note that group beamforming is enabled by AP by appending training fields to the beacon. If a STA detects (via PLCP header) the TRN fields appended in beacon, it can start the training. Instruction to editor: please add the following in line 17 of Page 215 draft 1.1 "A PCP/AP indicate the Group Beamforming RX sector training in the DMG beacon by setting: 1. EDMG\_TRN\_LEN subfield to be greater than zero, 2.  EDMG\_PACKET\_TYPE  subfield to EDMG-TRN-R-PACKET in the TXVector. The responder(s) detect the two subfields in the RXVector of the DMG beacon frame for the presence of the appended TRN fields used for Group Beamforming. |