IEEE P802.11  
Wireless LANs

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| LB-231-CID1387-resolution | | | | |
| Date: 2018-01-30 | | | | |
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|  |  |  |  |  |

Abstract

This document proposes resolution to LB231 Partial SLS related CIDs: 1387

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| --- | --- | --- | --- | --- |
| 1387 | 91.03 | 9.5.7 | Some fields which are present in the DMG Beam Refinement Element and the EDMG BRP request element are missing from the EDMG BRP field - as it serves as a replacement for them, it should have the same list of fields | Add the missing fields - submission will be provided |

Proposed Resolution: Revise

Discussion:

There are 4 “new” fields in the DMG beam refinement element that are missing from the EDMG BRP field:

|  |  |
| --- | --- |
| Short SSW packet used | Should be in EDMG BRP field |
| DBF FBCK req | Should not be in EDMG BRP field as it deals with FBCK that is not relevant for packet containing the EDMG BRP field |
| Aggregation Requested | Should not be in EDMG BRP field as it deals with FBCK that is not relevant for packet containing the EDMG BRP field |
| Aggregation Present | Should not be in EDMG BRP field as it deals with FBCK that is not relevant for packet containing the EDMG BRP field |

There are 2 “new” fields in the EDMG BRP request element that

|  |  |
| --- | --- |
| Comeback delay | Not relevant for EDMG BRP field because of how it is used. |
| Digital BF request | Should not be in EDMG BRP field as it deals with FBCK that is not relevant for packet containing the EDMG BRP field |

There are 2 fields in the EDMG BRP field that were removed from the EDMG BRP request: TXSS-RESP-TRN, TXSS-REQ-RECIPROCAL

***TGay Editor: Modify 9.5.7 (p91l3-13) as follows:***

The EDMG BRP field is defined in Figure 80.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 | B1 B8 | B9 | B10 | B11 | B12 | B13 | B14 B25 |
|  | Initiator | L-RX | TX-FBCK-REQ | TX-train-response | RX-train-response | TX -TRN-OK | TXSS-FBCK-REQ | TX Sector ID |
| Bits: | 1 | 8 | 1 | 1 | 1 | 1 | 1 | 12 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B26 B37 | B38 B40 | B41 | B42 | B43 B47 | B48 B49 | B50 B53 | B54 B55 | B56 |
|  | BS-FBCK | BS-FBCK Antenna ID | MID Extention | BRP-TXSS-OK | L-TX-RX | EDMG TRN-Unit P | EDMG TRN-Unit M | EDMG TRN-Unit N | BRP-TXSS |
| Bits: | 12 | 3 | 1 | 1 | 5 | 2 | 4 | 2 | 1 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B57 | | B58 B60 | B61 | B62 B64 |  | B65 | B66 B71 |
|  | TXSS-INITIATOR | | TXSS-PACKETS | Short SSW Packet Used | TXSS-REPEAT |  | TXSS-MIMO | BRP CDOWN |
| Bits: | 1 | | 3 | 1 | 3 |  | 1 | 6 |
|  |  | |  |  |  |  |  |  |
| B72 B79 | B80 | | B81 B87 |  |  |  |  |  |
| TX Antenna Mask | | First Path Training | Reserved |  |  |  |  |  |
| 8 | 1 | | 6 |  |  |  |  |  |

1. —EDMG BRP field format

The Initiator, TX-train-response, RX-train-response, TX-TRN-OK, TXSS-FBCK-REQ, BS-FBCK, BS-FBCK Antenna ID, Short SSW Packet Used and MID Extension subfields are defined in subclause 9.4.2.130.

The L-RX, TX Sector ID, L-TX-RX, EDMG TRN-Unit P, EDMG TRN-Unit M, EDMG TRN-Unit N, BRP-TXSS, TXSS-INITIATOR, TXSS-PACKETS, TXSS-REPEAT, TXSS-MIMO, BRP CDOWN, TX Antenna Mask and First Path Training subfields are defined in subclause 9.4.2.255.

**References:**