IEEE P802.11  
Wireless LANs

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| Draft Text for OFDM Feedback Request | | | | |
| Date: 2018-01-10 | | | | |
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Introduction

This submission proposes text based on the presentation [2].

***Make the following changes on D1.0:***

**9.4.2.255 EDMG BRP Request element**

The EDMG BRP Request element provides BRP configuration in addition to the BRP configuration provided in the BRP Request field. The EDMG BRP Request element is defined in Figure 45.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 B7 | B8 B15 | B16 B23 | B24 B31 | B32 B39 | B40 B50 | B51 B52 | B53 B56 | B57 B58 |
|  | Element ID | Length | Element ID Extension | L-RX | L-TX-RX | TX Sector ID | EDMG TRN-Unit P | EDMG TRN-Unit M | EDMG TRN-Unit N |
| Bits: | 8 | 8 | 8 | 8 | 8 | 11 | 2 | 4 | 2 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | B59 | B60 | B61 B63 | B64 B66 | B67 | |
|  | TXSS-REQ | TXSS-INITIATOR | TXSS-PACKETS | TXSS-REPEAT | TXSS-MIMO | |
| s: | 1 | 1 | 3 | 3 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| B68 B73 | B74 B81 | B82 B84 | B85 | B86 | B87 | B88 | B89 95 |
| BRP CDOWN | TX Antenna Mask | Comeback Delay | First Path Training | Digital BF Request | Feedback Type | Nc Index | Reserved |
| 6 | 8 | 3 | 1 | 1 | 1 | 2 | 6 |

**Figure xxx—EDMG BRP Request element format**

The Feedback Type field indicates the type of feedback requested. Set to 0 for SU and set to 1 for MU.

If the Feedback Type field indicates MU, then the Nc Index field indicates the number of columns, *Nc*, in the compressed beamforming feedback matrix minus 1 for HBF feedback in the EDMG OFDM mode. The interpretation of this field is defined according to Table xx.

Table xx

|  |  |
| --- | --- |
| Value | Meaning |
| 0 | Nc = 1 |
| 1 | Nc = 2 |
| 2 | Reserved |
| 3 | Reserved |

**References:**

1. Draft P802.11ay\_D1.0
2. K. Oteri et. al., “Hybrid Beamforming Feedback in 802.11ay”, 802.11-18/0192r0