IEEE P802.11
Wireless LANs

|  |
| --- |
| 2.3.2 EDMG Operation element  |
| Date: 2016-12-12 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Sang G. Kim | LG Electronics | 10225 Willow Creek Rd, San Diego CA 92131 | +1-858-635-5294 | sanggook.kim@lge.com |
| Carlos Cordeiro | Intel |  |  | carlos.cordeiro@intel.com |

Abstract

This document proposes specification text for subcaluse 2.3.2 of the SFD describing EDMG Operation element.

* + 1. EDMG Operation element

The operational parameters of an EDMG BSS provided by the AP or PCP are determined by the EDMG Operation element. The EDMG Operation element is transmitted in a management frame and shall be defined to support operation over multiple channels.

The format of the EDMG Operation element is shown in Figure 11.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | Primary Channel | BSS AID | A-BFT Parameters | BSS Operating Channels |
| Octets: | 1 | 1 | 1 | 1 | 1 | 1 | TBD |

1. —EDMG Operation element format

The Primary Channel number field indicates the channel number of the primary channel of the BSS.

The BSS AID field contains a value assigned by an AP or PCP to identify the BSS.

The A-BFT Parameters field is defined in Figure 12.

|  |  |  |  |
| --- | --- | --- | --- |
|  | RSSRetryLimit | RSSBackoff | Reserved |
| Bits: | 2 | 2 |  |  | 4 |  |

1. —A-BFT Parameters field definition

The RSSRetryLimit subfield defines the value of the retry limit that a STA attempting to access the A-BFT of the BSS uses.If RSSRetryLimit isset to zero it indicates 2 retries, if set to one it indicates 4 retries, if set to two it indicates 6 retries and if set to 3 it indicates 8 retries.

The RSSBackoff subfield defines the value of the backoff that a STA uses when the consecutive number of failed attempts to access the A-BFT of the BSS exceeds the retry limit specified in RSSRetryLimit. If RSSBackoff is set to zero it indicates a backoff of 8, if set to one it indicates a backoff of 16, if set to two it indicates a backoff of 24 and if set to four it indicates a backoff of 32. The four bits in A-BFT Parameters field are reserved. The BSS Operating Channels field is TBD.