IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TXOP Limit Text | | | | |
| Date: 2014-03 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Graham Smith | DSP Group | 1037 Suncast Lane, #112  El Dorado Hills, CA 95762 | 916 358 8725 | Graham.smith@dspg.com |

Abstract

This document contains proposed changes to Table 8-117 of 802.11mc D2.0 to satisfy CID 2409

|  |  |
| --- | --- |
| Table 8-117 TXOP limit. The default value of 0 is given for AC\_BK and AC\_BE. As explained in 13/0014r1 this is no longer the best value as it does not account for aggregated packets. | Adopt text as proposed in 13/0015r1 |

Edit Table 8-117 as indicated

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **AC** | **CWmin** | **CWmax** | **AIFSN** | **TXOP limit** | | |
| **For PHYs defined in Clause 16 (DSSS PHY specification for the 2.4 GHz band designated for ISM applications) and Clause 17 (High Rate direct sequence spread spectrum (HR/ DSSS) PHY specification)** | **For PHYs defined in Clause 18 (Orthogonal frequency division multiplexing (OFDM) PHY**  **Clause 19 (Extended Rate PHY (ERP) specification), and Clause 20 (High**  **Throughput (HT) PHY specification)** | **Other**  **PHYs** |
| AC\_BK | aCWmin | aCWmax | 7 | 3.264 ms | 2.080 ms | 0 |
| AC\_BE | aCWmin | aCWmax | 3 | 3.264 ms | 2.080 ms | 0 |
| AC\_VI | (aCWmin+1)/2 – 1 | aCWmin | 2 | 6.016 ms | 4.096 ms | 0 |
| AC\_VO | (aCWmin+1)/4 – 1 | (aCWmin+1)/2 – 1 | 2 | 3.264 ms | 2.080 ms | 0 |

In addition, make the following changes on Page 2723 Line 51

This attribute specifies the maximum number of microseconds of an EDCA

TXOP for a given AC at the AP. The default value for this attribute is

1) 2080 microseconds for Clause 18 (Orthogonal frequency division multiplexing (OFDM) PHY specification) and Clause 19 (Extended Rate PHY (ERP) specification) PHY and 3264 for Clause 17 (High rate direct

sequence spread spectrum (HR/DSSS) PHY specification) PHY,if dot11QAPEDCATableIndex is 1 or 2,

2) 4096 microseconds for Clause 18 (Orthogonal frequency division multiplexing

(OFDM) PHY specification) and Clause 19 (Extended Rate PHY (ERP)

specification) PHY and 6016 microseconds for Clause 17 (High rate direct

sequence spread spectrum (HR/DSSS) PHY specification) PHY, if

dot11QAPEDCATableIndex is 3,

3) 2080 microseconds for Clause 18 (Orthogonal frequency division multiplexing

(OFDM) PHY specification) and Clause 19 (Extended Rate PHY (ERP)

specification) PHY and 3264 microseconds for Clause 17 (High rate direct

sequence spread spectrum (HR/DSSS) PHY specification) PHY, if

dot11QAPEDCATableIndex is 4."