IEEE P802.11
Wireless LANs

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| CID 1189 updating EDCA default parameters in OCB |
| Date: May 1, 2018 |
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Abstract

This document contains proposed changes to 11md for CID 1189 to harmonize the EDCA paramater table for dot11OCBactivated with values specified in SAE J2945/1.

# Discussion

The following is a summary of EDCA Parameters from various standards.

Wi-Fi Alliance WMM 1.2



IEEE Std 802.11-2007





IEEE Std 802.11-2012



IEEE Std 802.11-2016



SAE J2945/1 (2016-03)



The difference between the SAE table and IEEE or WFA is that they specify actual values and not a reference (based on aCWmin, aCWmax) to a PHY-specific table elsewhere in the document. In the change below, I propose values that fit both the SAE result and the IEEE PHY-specific table.

# Proposed Changes

Proposed changes for MD (this is based on CWmin being 15 and CWmax being 1023 which is set elsewhere in the document for the OFDM PHY).

**Table 9-138—Default EDCA parameter set for STA operation if dot11OCBActivated is true**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AC** | **CWmin** | **CWmax** | **AIFSN** | **TXOP limit** |
| AC\_BK | aCWmin | aCWmax | 9 | 0 |
| AC\_BE | aCWmin | aCWmax | 6 | 0 |
| AC\_VI | ~~(aCWmin+1)/2-1~~aCWmin | ~~aCWmin~~aCWmax | ~~3~~4 | 0 |
| AC\_VO | (aCWmin+1)/4 -1 | (aCWmin+1)/2 -1 | 2 | 0 |