IEEE P802.11
Wireless LANs

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| Fix to DMG clustering calculation |
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Abstract

An issue has been identified in the calculation for the centralized DMG clustering mechanism. This document proposes a fix.

The discussion is in reference to Draft P802.11REVmc\_D5.3.

**Discussion**: The TBTT is in microseconds and the Beacon SP duration is in units of 8 microseconds. Therefore, the division by 1024 that is being used in 3 different places is incorrect.

**Proposed changes**:

**9.4.2.155 ECAPC Policy element**

*Change the fourth paragraph as follows*

The BHI Enforced (#3097)subfield set to 1 indicates that an AP or PCP in(#2344) a centralized AP or PCP cluster completes the BHI for the current beacon interval before TBTT + (8×Beacon SP duration), as described in 10.37.3.4 (Centralized AP or PCP cluster MAC requirements(11ad)). The BHI Enforced (#3097)subfield set to 0 indicates that an AP or PCP within a cluster does not have to complete the BHI for the current beacon interval before TBTT + (8×Beacon SP duration).

**10.37.3.4 Centralized AP or PCP cluster MAC requirements**

*Change the first paragraph as follows*

If the most recent ECAPC Policy element transmitted by a member AP, S-AP, or member PCP includes the BHI Enforced field set to 1, the member AP, S-AP, or member PCP shall complete the BTI, A-BFT, and ATI for each subsequent beacon interval before TBTT + (8×Beacon SP duration). The most recently transmitted (if an S-AP) or received (if a member AP, member PCP, or non-AP and non-PCP STA) value of Beacon SP Duration(#5466) is used.