IEEE P802.11
Wireless LANs

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| BI structure recommendation to a PCP/AP |
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Abstract

In some scenarios, a non-PCP/non-AP STA has a better understanding of applications and resulting BI parameters or scheduling requirements. For example, a portable may prefer a certain BI duration for video operation, while the docking platform, selected as the PCP, may not have any preference.

This document defines a mechanism for a non-PCP/non-AP to make a recommendation for certain key characteristics of a DMG BSS to the PCP/AP.

***Add a new sentence to 10.30.1***

**10.30.1 General**

This subclause describes the methods used by the PCP/AP to change certain key characteristics of the BSS. It also describes a method for a non-PCP/non-AP STA to make a recommendation for those characteristics to the PCP/AP

***Add a new clause under 10.30***

**10.30.5 Recommending DMG BSS parameters to the PCP/AP**

A non-PCP/non-AP STA may make a recommendation for DMG BSS parameters to the PCP/AP by including a DMG BSS Parameter Change element in an Information Request or Information Response frame sent to the PCP/AP.

Specifically, a non-PCP/non-AP STA may recommend a shift in TBTT by setting the Move field in the Change Type Bitmap field of the DMG BSS Parameter Change element, and including the lower order 4 octets of the STA’s TSF timer at the recommended first changed TBTT in the TBTT Offset field. The non-PCP/non-AP should select a value for the TBTT Offset field that gives the PCP/AP enough time to exercise the change.

Similarly, a non-PCP/non-AP STA may recommend a beacon interval by setting the Size field in the Change Type Bitmap field of the DMG BSS Parameter Change element, and including the recommended beacon interval in TUs in the BI Duration field.

A PCP/AP that receives an Information Request or an unsolicited Information Response frame from a non-PCP/non-AP STA containing a DMG BSS Parameter Change element may use the information within the element to change the DMG BSS parameters. When receiving an Information Request frame that includes the DMG BSS Parameter Change element, PCP/AP responds with an Information Response frame as specified in 10.29.1. If the PCP/AP changes BSS parameters, the PCP/AP shall include a DMG BSS Parameter Change element reflecting the BSS parameter changes in the transmitted Information Response frame and uses the procedure defined in 10.30.1 and 10.30.2, as appropriate, to change the BSS parameters. If the PCP/AP decides not to change the BSS parameters, it shall not include a DMG BSS Parameter Change element in the transmitted Information Response frame.