IEEE P802.11  
Wireless LANs

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| D2.0 10.38.2 Comment Resolutions | | | | |
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Abstract

This document provides resolutions to the following comments: CID 5041, 5094, 5095.

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| 5041 | 142.57 | 10.38.2 | Eliminate a redundancy with subtle discrepancy on the provision of channel selection methods of AP to start aVHT BSS. | Eliminate line 56 to 61, or otherwise line 44 to 53. | Reject  If “shall” is used instead of “should”, it poses unfairness to VHT AP starting a 20MHz BSS as compared with HT AP staring a 20MHz BSS. |

**Discussion:**

The commented text is quoted below:

*An AP* ***should*** *not start a VHT BSS with a 20 MHz operating channel width on a channel that is the secondary*

*20 MHz channel of any existing BSSs with a 40 MHz, 80 MHz, 160 MHz or 80+80 MHz operating channel width, or is overlapped with the secondary 40 MHz channel of any existing BSSs with a 160 MHz or 80+80 MHz operating channel width.*

The reason to use “should” for AP starting a 20MHz VHT BSS is to be fair/consistent with the corresponding 11n rule as quoted below.

*An HT AP or an DO STA that is also an HT STA* ***should*** *not start a 20 MHz BSS in the 5 GHz band on a channel that is the secondary channel of a 20/40 MHz BSS.*

If “shall” is used instead of “should”, it poses unfairness to VHT AP starting a 20MHz BSS as compared with HT AP staring a 20MHz BSS.

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| 5094 | 142.44 | 10.38.2 | Clarify use of "should" in requirement | The rule for selecting a primary 20 MHz channel for a new BSS has 2 components: 1) shall not be identical to secondary 20 MHz channel of existing BSS 2) should not overlap secondary 40 of existing BSS  Is the "should" in the second requirement intentional? Does it mean that this is just a recommendation and that the primary20 may overlap with secondary40? Please clarify. | Reject  The usage of “shall” and “should” are well defined in 1.4  The “should” in the second requirement means that it is a recommendation and the primary20 channel may overlap with the secondary40 channel of an existing BSS |
| 5095 | 142.57 | 10.38.2 | Clarify use of "should" in requirement | Does the use of "should" here indicate that this is just a recommendation and that the 20 MHz channel may overlap with the secondary 20 of an existing BSS? Please clarify. | Reject  The usage of “shall” and “should” are well defined in 1.4  The use of “should” here indicates that it is a recommendation, and an AP that starts a 20MHz BSS may overlap the 20MHz channel with the secondary20 channel of an existing BSS |

**Discussion:**

The usage of “shall” and “should” are well defined in 1.4 as quoted below:

***1.4 Word Usage***

*In this document, the word* ***shall*** *is used to indicate a mandatory requirement. The word* ***should*** *is used to indicate a recommendation. The word may is used to indicate a permissible action. The word can is used for statements of possibility and capability.*