IEEE P802.11  
Wireless LANs

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| Resolutions for Misselaneous CIDs | | | | |
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Abstract

This document proposes a resolution for CIDs 4020 and 4094 on P802.11ac/D2.0.

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| 4094 | 7.3.4.5 | T | 22.20 | How does the PHY determine whether to listen to Group ID 0 or 63? This is dependent on its identity as an AP or not, and a knowledge that these values are reserved for the downline or uplink. Such knowledge does not appear in 22.3.11.4. A STA should not listed for both of these group IDs if it wants to maximise power saving. | Add to GROUP\_ID or add a new parameter to cover the SU receive case. |

**Resolution**: Agree

**Discussion:** We add two new parameters to the PHYCONFIG\_VECTOR, named LISTEN\_TO\_GID00 and LISTEN\_TO\_GID63 which tells the PHY to listen to MU PPDUs with GROUP\_ID field equal to 0 and 63, respectively.

**Change**: [*Note to editor: Insert at the end of Table 7-4*]

**Table 7-4 – Vector descriptions**

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| **Parameter** | **Associate vector** | **Value** |
| LISTEN\_TO\_GID00 | PHYCONFIG\_VECTOR | Indicates to the PHY to detect MU PPDUs with GROUP\_ID field set to the value 0. |
| LISTEN\_TO\_GID63 | PHYCONFIG\_VECTOR | Indicates to the PHY to detect MU PPDUs with GROUP\_ID field set to the value 63. |

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| --- | --- | --- | --- | --- | --- |
| 4020 | 7.3.5.11.3 | G | 24.65 | LInes 44-65 clarify support in the HT PHY for maintaining channel busy based on the validity of the different SIG fields.  Similar considerations apply to the VHT case. | Add a description at 25.01 of when a VHT STA maintains the channel busy indication based on the received SIG field formats. |

**Resolution**: Agree.

**Discussion**: We add a rule for maintaining channel busy indication for VHT STAs. If the received PPDU BW is 20 MHz BW and occupies the primary 20 MHz channel or the received PPDU BW is greater than 20 MHz and spans the primary 20 MHz channel, the VHT STA will maintain channel busy indication based on length indicated in the preamble.

**Change**: [*Note to editor: add to end of 7.3.5.11.3*]

If the STA is a VHT STA, the PHY maintains the channel busy indication until the period indicated by the LENGTH field has expired, where the LENGTH field is

-In a valid SIG field if the format of the PPDU is NON\_HT received in the primary 20 MHz channel

-In a valid HT-SIG field if the format of the PPDU is HT\_MF or HT\_GF provided that the PPDU spans the primary 20 MHz channel

-In a valid L-SIG field if the format of the PPDU is VHT provided that the PPDU spans the primary 20 MHz channel