IEEE P802.11  
Wireless LANs

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| LB 200 CID 2849 comment resolution | | | | |
| Date: 2013-12-18 | | | | |
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Abstract

This submission proposes a comment resolution of the CID 2849 from TGah Draft 1.0.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 2849 | 27.06 | 7.3.4.4 | In 24.3.18.5.4.1, "For devices operating in Type 2 channels, if the device intends to transmit an 8 or 16 MHz channel width PPDU and the device implements the procedure and rules for high intended BW transmission channel access, the PHY shall issue a PHY-CCA.indication(BUSY, {primary2}) if one of the conditions listed in Table 24-35 is met in an otherwise idle 1 MHz, 2 MHz, 4 MHz, 8 MHz, 16 MHz operating channel width." After receiving a PHY-CCA.indication primitives, how can a local MAC entity know the type of CCA between Table 24-35 and Table 24-34? The local MAC entity shall support a primitive to change the CCA Type between Table 24-35 and Table 24-34 through PHYCONFIG\_VECTOR. Otherwise, the PHY-CCA.indication primitives shall has an additional field for indicating which CCA Type is met. | The local MAC entity shall support a primitive to change the CCA Type between Table 24-35 and Table 24-34 through PHYCONFIG\_VECTOR. Otherwise, the PHY-CCA.indication primitives shall has an additional field for indicating which CCA Type is met. Commenter will submit a resolution. | Revised-  TGah editor to make changes shown in 11-13-1521r0 under the heading for CID 2849. |

**CID 2849**

**Discussion:**

Because 11ah supports multiple CCA Types, the local MAC entity shall support a primitive to change the CCA Type (e.g., Table 24-33, Table 24-34 and Table 24-35).

**Propose:**

Revised for CID 2849, per discussion and editing instructions in 11-13/1521r0.

**7.3.4.5 Vector descriptions**

***Insert at the end of Table 7-4, the following rows:***

|  |  |  |
| --- | --- | --- |
| * Vector descriptions | | |
| Parameter | Associate vector | Value |
| CCA\_SENSITIVITY\_TYPE | PHYCONFIG\_VECTOR | Enumerated type:  CCA\_SENSITIVITY\_TYPE\_1 indicates that the PHY issues a PHY-CCA.indication primitive based on the CCA conditions listed in Table 24-33 (Conditions for CCA BUSY on the Primary 2 MHz in Type 1 Channelization) and 24.3.18.5.5 (CCA sensitivity for signals not occupying the primary 2MHz channel).  CCA\_SENSITIVITY\_TYPE\_2 indicates that the PHY issues a PHY-CCA.indication primitive based on the CCA conditions listed in Table 24-34 (Conditions for CCA BUSY on the Primary 2 MHz in Type 2 Channelization) and 24.3.18.5.5 (CCA sensitivity for signals not occupying the primary 2MHz channel).  CCA\_SENSITIVITY\_TYPE\_2\_WIDEBAND indicates that the PHY issues a PHY-CCA.indication primitive based on the CCA conditions listed in Table 24-35 (Conditions for CCA BUSY on the Primary 2 MHz in Type 2 Channelization for 8/16MHz intended channel width) and 24.3.18.5.5 (CCA sensitivity for signals not occupying the primary 2MHz channel). |

**24.3.18.5 CCA sensitivity**

**24.3.18.5.1 General**

**24.3.18.5.2 Type 1 and Type 2 channelization for CCA levels**

***Insert the following paragraphs at the end of this sub-clause:***

A S1G STA configures its active CCA conditions by generating a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive with the CCA\_SENSITIVITY\_TYPE parameter. For operating in Type 1 channels, the MAC sublayer generates a PHY-CONFIG.request primitive with a PHYCONFIG\_VECTOR parameter CCA\_SENSITIVITY\_TYPE set to CCA\_SENSITIVITY\_TYPE\_1. For operating in Type 2 channels, the MAC sublayer generates a PHY-CONFIG.request primitive with a PHYCONFIG\_VECTOR parameter CCA\_SENSITIVITY\_TYPE set to CCA\_SENSITIVITY\_TYPE\_2. For operating the 8/16MHz intended channel width in Type 2 channels, the MAC sublayer generates a PHY-CONFIG.request primitive with a PHYCONFIG\_VECTOR parameter CCA\_SENSITIVITY\_TYPE set to CCA\_SENSITIVITY\_TYPE\_2\_WIDEBAND.