IEEE P802.11
Wireless LANs

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| Comment Resolutions for CID 1093 and CID 1571 in WG LB 251 |
| Date: 2021-03-03 |
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Abstract

This submission provisions with resolutions to the following 2 CIDs related to clause 32 of IEEE P802.11bd D1.0 in WG LB 251, including suggested spec text modification to IEEE P802.11bd D1.0 to TGbd editor:

* CIDs: 1093 and 1571

Revisions:

* R0, comment resolutions initial draft.

Interpretation of a Motion to Adopt

A motion or majority supported straw poll to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbd Draft. When the baseline spec draft is an unapproved version, a majority supported straw poll to approve this submission means that the editing instructions and any changed or added material are actioned in the unapproved TGbd Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Pg/Ln** | **Clause** | **Comment** | **Proposed Changed** | **Resolution** |
| 1093 | 83.44 | 32.3.1.5.3 | Why is the secondary 10MHz channel CCA threshold is -85 instead of -75dBm | as in the comment | **Rejected****Reason:**The group has reached consensus on -85 dBm of the secondary channel CCA threshold to avoid potential impact to legacy 802.11p PPDUs. **Discussion:**The detailed discussion is introduced in 11-20/0046 and approved in motion #74 as in 11-19/0497r7 (SFD).  |
| 1571 | 47.18 | 32.2.3 | There are only two parameters in the PHY CONFIG\_VECTOR: OPERATING\_ CHANNEL and CHANNEL\_WIDTH. It is not clear which side (lower or higher frequency) is for the secondary channel with respect to the primary channel when NON\_NGV\_10\_DUP\_OFDM is specified. | Please clarify. | **Revised****Discussion:**Agree on the comment that the position of the 10 MHz primary channel could be either the lower 10 MHz or the upper 10 MHz in a 20 MHz operating channel. It’s necessary to indicate the location of the 10 MHz primary channel in the 20 MHz operating channel. Suggest to follow the way defined in 11n in which parameter “OPERATING\_CHANNEL” indicates the primary channel and another parameter “SECONDARY\_CHANNEL\_OFFSET” indicates the offset of the 10 MHz secondary channel . **TGbd Editor:** Please implement the proposed spec text modification as part of resolution to CID 1571 as in [https://mentor.ieee.org/802.11/dcn/21/11-21-0393-00-00bd-cr-d1-0-CID1093-CID1571.docx](https://mentor.ieee.org/802.11/dcn/21/11-21-0393-00-00bd-cr-d1-0-CID1093-CID1571.docxx) |
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*-------------------------------****Proposed Spec Text Modifications for CID 1517****------------------------------*

***TGbd Editor: please implement following modification to sub-clause 32.2.3 (PHY CONFIG\_VECTOR) in IEEE P802.11bd D1.0 as part of resolution to CID 1517.***

**32.2.3 PHY CONFIG\_VECTOR**

The PHYCONFIG\_VECTOR carried in a PHY-CONFIG.request primitive for the NGV PHY contains an OPERATING\_CHANNEL parameter, which identifies the operating or primary channel. The PHY shall set dot11CurrentPrimaryChannel to the value of parameter OPERATING\_CHANNEL.

~~The PHYCONFIG\_VECTOR carried in a PHY-CONFIG.request primitive for the NGV PHY contains a CHANNEL\_WIDTH parameter, which identifies the operating channel width and takes one of the values 10 MHz or 20 MHz. The PHY shall set dot11CurrentChannelWidth to the value of this parameter.~~

The PHYCONFIG\_VECTOR carried in a PHY-CONFIG.request primitive for the NGV PHY contains a SECONDARY\_CHANNEL\_OFFSET parameter, which takes one of the following values:

— SECONDARY\_CHANNEL\_NONE if no secondary channel is present; in this case the PHY shall set dot11CurrentSecondaryChannel to 0.

— SECONDARY\_CHANNEL\_ABOVE if the secondary channel is above the primary channel; in this case the PHY shall set dot11CurrentSecondaryChannel to dot11CurrentPrimaryChannel + 2.

— SECONDARY\_CHANNEL\_BELOW if the secondary channel is below the primary channel; in this case the PHY shall set dot11CurrentSecondaryChannel to dot11CurrentPrimaryChannel – 2.

***TGbd Editor: please replace “CHANNEL\_WIDTH” with “SECONDARY\_CHANNEL\_OFFSET” in the first cell of the last raw in Table 32-3 at pg50/ln27 in IEEE P802.11bd D1.0 as part of resolution to CID 1517 .***

-------------------- ***End of proposed changes for resolution to CID 1517-------------------***

**References:**

1. **IEEE P802.11bd/D1.0, Oct 2020.**