IEEE P802.11  
Wireless LANs

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| CR on 36.2.6 Support for non-HT, HT, VHT, and HE formats | | | | |
| Date: 2022-09-07 | | | | |
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Abstract

This submission contains proposed comment resolutions to comments on P802.11be D2.0.

The changes are based on P802.11be D2.0.

This submission provides a resolution to the CIDs 10784, 10785, 10786, 10787.

Revisions:

* Rev 0: Initial version of the document.

**CID 10784**

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| **CID** | **Page/Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 10784 | 567.59 | 36.2.6.2 | The parameter DISABLED\_SUBCHANNEL\_BITMAP is a new defined parameter for EHT. It should also be ignored to support Non-HT operation | Replace "CHANNEL\_WIDTH and CENTER\_FREQUENCY\_SEGMENT\_0" with "CHANNEL\_WIDTH, CENTER\_FREQUENCY\_SEGMENT\_0 and DISABLED\_SUBCHANNEL\_BITMAP" | Accepted. |

**CID 10785**

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| **CID** | **Page/Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 10785 | 568.36 | 36.2.6.3 | The parameter DISABLED\_SUBCHANNEL\_BITMAP is a new defined parameter for EHT. It should also be ignored to support HT operation | Replace "CHANNEL\_WIDTH and CENTER\_FREQUENCY\_SEGMENT\_0" with "CHANNEL\_WIDTH, CENTER\_FREQUENCY\_SEGMENT\_0 and DISABLED\_SUBCHANNEL\_BITMAP" | Accepted. |

**CID 10786**

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| **CID** | **Page/Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 10786 | 569.03 | 36.2.6.4 | The parameter DISABLED\_SUBCHANNEL\_BITMAP is a new defined parameter for EHT. It should also be ignored to support VHT operation | Insert a new bullet " - without the PHYCONFIG\_VECTOR DISABLED\_SUBCHANNEL\_BITMAP" after "except that" | Accepted. |

**CID 10787**

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| **CID** | **Page/Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 10787 | 569.38 | 36.2.6.5 | The parameter DISABLED\_SUBCHANNEL\_BITMAP is a new defined parameter for EHT. It should also be ignored to support HE operation. | Insert a new bullet " - without the PHYCONFIG\_VECTOR DISABLED\_SUBCHANNEL\_BITMAP" after "except that". | Accepted. |

**Discussion:**

The static puncturing channel is a new feature for EHT. In EHT Operation Information field in Beacon frame, there is a subfield referred as Disabled Subchannel Bitmap, which provides a list of subchannels that are punctured within the BSS bandwidth. Meanwhile, the PHYCONFIG\_VECTOR carried in a PHY-CONFIG.request primitive for an EHT PHY contains a DISABLED\_SUBCHANNEL\_BITMAP parameter, which identifies the 20 MHz subchannels that are punctured in an EHT BSS. Thus, the parameter DISABLED\_SUBCHANNEL\_BITMAP should be ignored when the EHT PHY is acted as a non-HT/HT/VHT/HE PHY.

The corresponding revision can be summarized as follows.

1. Make the following revision in Line 59, Page 567 of TGbe Draft D2.0.

To support the non-HT format, the EHT PHY, on receipt of a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive, behaves as if it were a Clause 15 (DSSS PHY specification for the 2.4 GHz band designated for ISM applications), Clause 16 (High rate direct sequence spread spectrum (HR/DSSS) PHY specification), Clause 17 (Orthogonal frequency division multiplexing (OFDM) PHY specification), or Clause 18 (Extended Rate PHY (ERP) specification) PHY that had received a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive but without the PHYCONFIG\_VECTOR parameters CHANNEL\_WIDTH, CENTER\_FREQUENCY\_SEGMENT\_0 and DISABLED\_SUBCHANNEL\_BITMAP.

1. Make the following revision in Line 35, Page 568 of TGbe Draft D2.0.

On receipt of a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive, the EHT PHY behaves, for the purposes of HT PPDU transmission and reception, as if it were a Clause 19 (High Throughput (HT) PHY specification) PHY that had received PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive but without the PHYCONFIG\_VECTOR parameters CHANNEL\_WIDTH, CENTER\_FREQUENCY\_SEGMENT\_0 and DISABLED\_SUBCHANNEL\_BITMAP and with the PHYCONFIG\_VECTOR parameter SECONDARY\_CHANNEL\_OFFSET set to SECONDARY\_CHANNEL\_NONE if dot11CurrentChannelWidth indicates 20 MHz, to SECONDARY\_CHANNEL\_ABOVE if *fP*20, *idx* < *fS*20, *idx*, or to SECONDARY\_CHANNEL\_BELOW otherwise.

1. Make the following revision in Line 6, Page 569 of TGbe Draft D2.0.

On receipt of a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive, the EHT PHY behaves, for the purposes of VHT PPDU transmission and reception, as if it were a Clause 21 (Very High Throughput (VHT) PHY specification) PHY that received the PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive except that:

—without the PHYCONFIG\_VECTOR DISABLED\_SUBCHANNEL\_BITMAP

— the CHANNEL\_WIDTH parameter, if it is equal to 320 MHz, is replaced by 160 MHz

— the CENTER\_FREQUENCY\_SEGMENT\_0 parameter, if the CHANNEL\_WIDTH parameter is  
equal to 320MHz, is replaced by the center of the primary 160 MHz channel.

1. Make the following revision in Line 40, Page 569 of TGbe Draft D2.0.

On receipt of a PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive, the EHT PHY behaves, for the  
purposes of HE PPDU transmission and reception, as if it were a Clause 27 (High Efficiency (HE) PHY  
specification) PHY that received the PHY-CONFIG.request(PHYCONFIG\_VECTOR) primitive except  
that:

—without the PHYCONFIG\_VECTOR DISABLED\_SUBCHANNEL\_BITMAP  
— the CHANNEL\_WIDTH parameter, if it is equal to 320 MHz, is replaced by 160 MHz  
— the CENTER\_FREQUENCY\_SEGMENT\_0 parameter, if the CHANNEL\_WIDTH parameter is  
equal to 320 MHz, is replaced by the center of the primary 160 MHz channel.