IEEE P802.11
Wireless LANs

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| Resolution for Miscellaneous CIDs related to Clause 35.2.1.1 (CC36) |
| Date: April 8, 2022 |
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 Abstract

This submission proposes resolutions for following comments received for TGbe CC36:

4180, 5698, 6224, 6225

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Modifications based on offline discussion.

***TGbe editor: Please note Baseline is REVmd D8.0, 11ax D8.0, and 11be D1.3***

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 Tgbe Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Commenter** | **Clause**  | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 4180 | Alfred Asterjadhi | 35.2.1.1 | 243.30 | What about control frames in non-ht dup format that are not with bandwidth signaling TA? I would expect the same for those too. I think in general the BW selection rules for non-HT dup PPDUs need to be clarified now that both 320 MHz and puncturing is defined | As in comment. | RevisedAgree with the commenter in principle. Clarify the bandwidth signaling and preamble puncturing in control response frame.TGbe editor to make the changes shown in doc 22/564r1. |
| 5698 | Kaiying Lu | 35.2.1.1 | 243.30 | Static preamble puncturing is allowed in R1. This subclause is to describe bandwidth signaling with the support of static preamble puncturing. Add the description. | As in comment. | RevisedAgree with the commenter in principle. Clarify the bandwidth signaling and preamble puncturing in control response frame.TGbe editor to make the changes shown in doc 22/564r1. |
| 6224 | Ming Gan | 35.2.1.1 | 243.30 | since a bit in the service field is used for bandwidth signaling by using BW signaling TA, a protection mechanism is needed | As in the comment. | RejectedThe group did not reach the consensus. |
| 6225 | Ming Gan | 35.2.1.1 | 243.30 | For non-HT duplicate PPDU, the self-contained puncture signaling is missing | Please make it complete | RejectedDynamic puncturing is not allowed for EHT STAs with dot11EHTBaseLineFeaturesImplementedOnly equal to true. |

**10.3 DCF**

**10.3.2 Procedures common to the DCF and EDCAF**

**10.3.2.9 CTS and DMG CTS procedure**

***TGbe editor: Please modify the paragraph as follows:***

....

An EHT STA that is addressed by an RTS frame in a non-HT or non-HT duplicate PPDU that has a band-width signaling TA and that has the RXVECTOR DYN\_BANDWIDTH\_IN\_NON\_HT equal to Dynamic behaves as follows:

—If the NAV indicates idle, and the STA is not NSTR limited, then the STA shall respond with a CTS frame in a non-HT or non-HT duplicate PPDU after a SIFS. The CTS frame’s TXVECTOR parame-ters CH\_BANDWIDTH and CH\_BANDWIDTH\_IN\_NOT\_HT shall be set to any channel width for which CCA on all nonpunctured non-primary 20 MHz subchannels(#4180)(#5698) has been idle for a PIFS prior to the start of the RTS frame based on the rules defined in 36.3.20.6.4 (Per 20 MHz CCA sensitivity) and that is less than or equal to the channel width indicated in the RTS frame’s RXVECTOR parameter CH\_BANDWIDTH\_IN\_NON\_HT.

•If all of the conditions in the previous paragraphs are met, except for the condition “the STA is not NSTR limited”, then the STA may respond with the CTS frame as described in that para-graph.

 —Otherwise, the STA shall not respond with a CTS frame.

(#4180)(#5698)Note— Nonpunctured nonprimary 20MHz subchannels are based on the value indicated in the most recently exchanged Disabled Subchannel Bitmap field in the EHT Operation element for that BSS if an EHT STA with dot11EHTBaseLineFeaturesImplementedOnly equal to true is addressed by the RTS frame.

***TGbe editor: Please modify the following subclause 35.2.1.1 as follows:***

**35.2.1 TXOP**

**35.2.1.1 Bandwidth signaling (#4180)(#5698)**

An EHT STA that is a STA 6G with 320 MHz bandwidth support transmitting a (#1476)Control frame in non-HT duplicate format with a bandwidth signaling TA addressed to an EHT STA shall set the TXVECTOR parameters CH\_BANDWIDTH\_IN\_NON\_HT according to Table 36-1 (TXVECTOR and RXVECTOR parameters) which is signaled via the scrambling sequence and SERVICE field.

An EHT STA that is a STA 6G with 320 MHz bandwidth support sending a Control frame in non-HT duplicate format in response to a Control frame in non-HT duplicate format with a bandwidth signaling TA addressed to the EHT STA shall set the TXVECTOR parameters CH\_BANDWIDTH\_IN\_NON\_HT according to Table 36-1 (TXVECTOR and RXVECTOR parameters) which is signaled via the scrambling sequence and SERVICE field.

Note—In an EHT BSS set up by an EHT AP that has included the Disabled Subchannel Bitmap field in the EHT Operation element, both an EHT STA transmitting a Control frame in non-HT duplicate format with a bandwidth signaling TA and an EHT STA responding a Control frame in non-HT duplicate format sets the TXVECTOR parameter INACTIVE\_SUBCHANNELS of an non-HT duplicate PPDU based on the value indicated in the most recently exchanged Disabled Subchannel Bitmap field in the EHT Operation element for that BSS, when the EHT STAs set dot11EHTBaseLineFeaturesImplementedOnly to true.