IEEE P802.11
Wireless LANs

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Abstract

This submission proposes resolutions for the CID 11922.

The baseline for this comment resolution document is 802.11be Draft 2.0.

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| **CID** | **Commenter** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 11922 | Alfred Asterjadhi | 10.3.2.9 | 280 | 38 | These entries (amended paragraphs, fourth and fifth) seem to imply that VHT STAs may be part of an NSTR limited device. Is this the intention? Please clarify. Otherwise simply remove these changed to these two paragrapsh since the EHT case is covered in the subsequently added paragraphs. | As in comment. | Revised: Agree with the comment. Even if an EHT STA is affiliated with a MLD can function as a VHT STA, its behavior when receiving a RTS is already covered by the paragraphs from P281L26 – P281L65 (802.11be D2.0). Clarification language has been added to ensure that EHT STAs do not need follow the same rules even when it is behaving as a VHT STA or non-HT or non-S1G STA.TGbe editor: please incorporate the changes indicated in 11-22/1220r1. |

***TGbe Editor: Please modify Subclause 10.3 (802.11be D2.0) as follows:***

**10.3 DCF**

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

**10.3.2.9 CTS and DMG CTS procedure**

***Change the now-shifted fourth and fifth paragraphs as follows:***

A VHT STA that is not an EHT STA and is addressed by an RTS frame in a non-HT or non-HT duplicate PPDU that has a bandwidth signaling TA and that has the RXVECTOR parameter DYN\_BANDWIDTH\_IN\_NON\_HT equal to Static behaves as follows:

—If the NAV indicates idle and CCA has been idle for all secondary channels (secondary 20 MHz channel, secondary 40 MHz channel, and secondary 80 MHz channel) in the channel width indicated by the RTS frame’s RXVECTOR parameter CH\_BANDWIDTH\_IN\_NON\_HT for a PIFS prior to the start of the RTS frame, then the STA shall respond with a CTS frame carried in a non-HT or non-HT duplicate PPDU after a SIFS. The CTS frame’s TXVECTOR parameters CH\_BANDWIDTH and CH\_BANDWIDTH\_IN\_NON\_HT shall be set to the same value as the RTS frame’s RXVECTOR parameter CH\_BANDWIDTH\_IN\_NON\_HT.

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

A VHT STA that is not an EHT STA and is addressed by an RTS frame in a non-HT or non-HT duplicate PPDU that has a bandwidth signaling TA and that has the RXVECTOR parameter DYN\_BANDWIDTH\_IN\_NON\_HT equal to Dynamic behaves as follows:

—If the NAV indicates idle 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 parameters CH\_BANDWIDTH and CH\_BANDWIDTH\_IN\_NON\_HT shall be set to any channel width for which CCA on all secondary channels has been idle for a PIFS prior to the start of the RTS frame and that is less than or equal to the channel width indicated in the RTS frame’s RXVECTOR parameter CH\_BANDWIDTH\_IN\_NON\_HT.

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

***Change the now-shifted ninth paragraph as follows:***

A non-VHT and non-S1G STA that is not an EHT STA and is addressed by an RTS frame or a VHT STA that is addressed by an RTS frame carried in a non-HT or non-HT duplicate PPDU that has a nonbandwidth signaling TA or a VHT STA that is addressed by an RTS frame in a format other than non-HT or non-HT duplicate behaves as follows:

—If the NAV indicates idle the STA shall respond with a CTS frame after a SIFS.

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