IEEE P802.11
Wireless LANs

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| CC36 CR for CID 6841 6842 6843 |
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Abstract

This submission proposes the resolution for CID 6841, 6842 and 6843. The baseline for this comment resolution document is 802.11be Draft 1.1.

**Revisions:**

Rev 0: first draft of the document.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| CID |  | Clause | Page | Line | Comment | Proposed change | Resolution |
| 6841 | ron porat | 35.5.2 | 290 | 53 | An EHT beamformer shall not transmit a 20 MHz, 40 MHz, or 80 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of EHT-LTF symbols indicated in the Beamformee SS ≤ 80 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | An EHT beamformer shall not transmit a 20 MHz, 40 MHz, or 80 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS ≤ 80 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | Revised: agree in principle with the comment. Changes are made as suggested regarding the number of spatial streams. However, the issues of maximum number of EHT-LTF symbols related to NUM\_EHT\_LTFs needs to be addressed as well. Additional clarifications are also included to address the maximum number of EHT-LTF symbols an EHT beamformer should transmit. TGbe editor: please incorporate changes shown in 11-21/1243r0 under the tag 6841. |
| 6842 | ron porat | 35.5.2 | 290 | 59 | An EHT beamformer shall not transmit a 160 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of EHT-LTF symbols indicated in the Beamformee SS = 160 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | An EHT beamformer shall not transmit a 160 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS = 160 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | Revised: agree in principle with the comment. Changes are made as suggested regarding the number of spatial. However, the issues of maximum number of EHT-LTF symbols needs to be addressed as well. Additional clarifications are also included to address the maximum number of EHT-LTF symbols an EHT beamformer should transmit. TGbe editor: please incorporate changes shown in 11-21/1243r0 under the tag 6842. |
| 6843 | ron porat | 35.5.2 | 291 | 1 | An EHT beamformer shall not transmit a 320 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of EHT-LTF symbols indicated in the Beamformee SS = 320 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | An EHT beamformer shall not transmit a 320 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS = 320 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. | Revised: agree in principle with the comment. Changes are made as suggested regarding the number of spatial streams. However, the issues of maximum number of EHT-LTF symbols needs to be addressed as well. Additional clarifications are also included to address the maximum number of EHT-LTF symbols an EHT beamformer should transmit. TGbe editor: please incorporate changes shown in 11-21/1243r0 under the tag 6843. |

**Discussion:**

NUM\_EHT\_LTF is an EHT TXVECTOR parameter, which indicates the number of OFDM symbols in the EHT-LTF field. B3-B4 of Maximum Number Of Supported EHT-LTFs indicated in the subfield of EHT PHY Capabilities Information field depicts the maximum number of EHT-LTFs supported for reception of an EHT sounding NDP. Therefore, the value setting of NUM\_EHT\_LTF in an EHT sounding NDP should consider the maximum number of EHT-LTF symbols indicated in the Maximum Number Of Supported EHT-LTFs subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame.

Discussion ends

***TGbe Editor: Please modify Clause 35.5.2 EHT sounding protocol as follows (802.11be Draft 1.1)***

An EHT beamformer shall not transmit a 20 MHz, 40 MHz, or 80 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS ≤ 80 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame.[#6841]

An EHT beamformer shall not transmit a 160 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS = 160 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. [#6842]

An EHT beamformer shall not transmit a 320 MHz EHT sounding NDP with a TXVECTOR parameter NUM\_STS that is greater than the maximum number of spatial streams indicated in the Beamformee SS = 320 MHz subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame. [#6843]

An EHT beamformer shall not transmit an EHT sounding NDP with a TXVECTOR parameter NUM\_EHT\_LTF that is greater than the maximum number of EHT-LTF symbols indicated in the Maximum Number Of Supported EHT-LTFs subfield of any STA identified by a STA Info field in the preceding EHT NDP Announcement frame.

An EHT beamformer indicates the maximum number of EHT-LTF symbols it might transmit in a 20 MHz, 40 MHz, or 80 MHz EHT sounding NDP in the Number Of Sounding Dimensions ≤ 80 MHz subfield.

An EHT beamformer indicates the maximum number of EHT-LTF symbols it might transmit in a 160 MHz EHT sounding NDP in the Number Of Sounding Dimensions = 160 MHz subfield.

An EHT beamformer indicates the maximum number of EHT-LTF symbols it might transmit in a 320 MHz EHT sounding NDP in the Number Of Sounding Dimensions = 320 MHz subfield.