IEEE P802.11
Wireless LANs

|  |
| --- |
| Resolutions for comments on Subclause 36.3.2.1 - part 1 |
| Date: 2021-04-12 |
| Author: |
| Name | Affiliation | Address | Phone | Email |
| Yan Xin | Huawei Technologies | 303 Terry Fox Drive, Suite 400, Ottawa, Ontario K2K 3J1 |  | yan.xin@huawei.com |
| Shimi Shilo | Huawei Technologies |  |  | shimi.shilo@huawei.com |
| Ezer Melzer | Huawei Technologies |  |  | ezer.melzer@huawei.com |
| Ross Jian Yu | Huawei Technologies |  |  | ross.yujian@huawei.com |

This submission includes resolutions for comments on Subclause 36.3.2.1 of P802.11be D0.3. The related nine CIDs are: 1242, 1281, 1282, 1283, 2690, 2691, 2944, 2945, 3163.

##### Revision history:

##### R0 – initial version

**CID: 1242, 1281, 1282, 2690, 2691, 2944, 2945, 3163**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 1242 | 36.3.2.1 | 175 | 46 | "Any 80 MHz segment in an 80/160/320 MHz EHT PPDU, if it is punctured or used with an OFDMA transmission". Not clear "it" referes to PPDU or 80MHz segment. May rephase it something like " if any 80MHz sgement in an 80/160/320 MHz EHT PPDU is used for OFDMA transmissoin or any part of that 80MHz is punctured " ... "and use non RU 996 tone plan as shown in .." | As in comment | REVISEDAgree with the comment in general with modification of text.TGbe editor: please revise the text as in 802.11-21/0629r0. |
| 1281 | 36.3.2.1 | 175 | 48 | "it" in "Any 80 MHz segment in an 80/160/320 MHz EHT PPDU, if it is punctured" could be interpreted as refering to the 80M segment or the PPDU | Replace "it" by "the PPDU" or "segment" as appropriate | REVISEDAgree with the comment in general with modification of text.TGbe editor: please revise the text as in 802.11-21/0629r0.Note to TGbe Editor: same resolution as to CID 1242 |
| 2690 | 36.3.2.1 | 175 | 47 | In the sentence "Any 80 MHz segment in an 80/160/320 MHz EHT PPDU, if it is punctured or used with an OFDMA transmission...", it is not clear that the "it" in the if statement indicates the 80MHz segment or the 80/160/320 MHz EHT PPDU. | Change the sentence to "Any 80MHz segment that is punctured or used with an OFDMA transmission in an 80/160/320 MHz EHT PPDU uses ..." | REVISEDAgree with the comment in general with modification of text.TGbe editor: please revise the text as in 802.11-21/0629r0Note to TGbe Editor: same resolution as to CID 1242 |
| 1282 | 36.3.2.1 | 176 | 1 | Misleading language: "Each nonpunctured 80 MHz segment in a 160/320 MHz PPDU uses a 996-tone RU as shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU" - what if we have a nonpunctured 80MHz semgent used with OFDMA and the 80MHz segment comprises a mix of RU26/52/106/242/484? | Perhaps try "The tone plan for each of the 80 MHz segments is identical to that of an 80 MHz EHT PPDU. Any 80 MHz segment in an 80/160/320 MHz EHT PPDU, if the segment is punctured or contains RUs with fewer than 996 tones, uses the tone plan shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU) excluding the final row with 996 tones. Any 80 MHz segment in an 80/160/320 MHz EHT PPDU, if the segment carries 996 tones as part of an RU or MRU with at least 996 tones, uses the final row with 996 tones as shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU)." | REVISEDAgree with the comment in general with modification of text.TGbe editor: please revise the text as in 802.11-21/0629r0. |
| 2691 | 36.3.2.1 | 176 | 1 | Is the following sentence only applicable to non-OFDMA transmission? Or does it mean the minimum RU size of 160/320 MHz PPDU is 996 tones?" Each nonpunctured 80 MHz segment in a 160/320 MHz PPDU uses a 996-tone RU as shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU)." | Please state it clearly. | REVISEDAgree in principle – this is not limited to non-OFDMA but should be clarified. Text has been changed to make this more clear.TGbe editor: Please edit the revised text as in 11-21/0629r0. |
| 2944 | 36.3.2.1 | 176 | 1 | "Each nonpunctured 80MHz segment" should be "nonpunctured and non-OFDMA 80MHz segment". | As in comment | REVISEDThis is not limited to non-OFDMA since 996-tone RU can be used for an OFDMA containing, for example, 2x996-tone RU. Nevertheless, text has been changed to make this more clear.TGbe editor: Please edit the revised text as in 11-21/0629r0. |
| 2945 | 36.3.2.1 | 176 | 2 | Both punctured/OFDMA segment and nonpunctured non-OFDMA tone plan are shown in the same figure. It's better to add some clarification that each case mapping to which part of the figure. | As in comment | REVISED.The original text in this paragraph differentiated between the case of 996-tone RU and all other RUs. Figure 36-4 depicts all RUs within an 80 MHz subblock. The text has been changed to make this more clear.TGbe editor: Please edit the revised text as in 11-21/0629r0. |
| 3163 | 36.3.2.1 | 175 | 46 | "Any 80 MHz segment ... if .. punctured or used with an OFDMA, uses the tone plan shown in Figure 36-4 ... nonpunctured 80 MHz segment ... uses a 996-tone RU as shown in Figure 36-4".So, whether punctured or not puctured, OFDMA or non-OFDMA, the tone plan is shown in Figure 36-4. | Change at P175L46-P176L3 from "Any 80 MHz segment ... 996-tone RU as shown in Figure 36-4"to"Any 80 MHz segment in an 80/160/320 MHz EHT PPDU uses the tone plan shown in Figure 36-4." | REVISED.Though true in principle that the tone plan in Fig. 36-4 is applicable for both OFDMA and non-OFDMA, as well as punctured and non-punctured, the last statement in this paragraph (p176L1-2) corresponds specifically to the usage of a 996-tone RU. Current text in D0.3 highlights the usage of tone plans of the non 996-tone RUs and the 996-tone RU.Nevertheless, text is revised in order to make this clearer.TGbe editor: Please edit the revised text as in 11-21/0629r0. |

*TGbe editor: please revise the text in 175.46 in Subclause 36.3.2.1 as below.*

If an 80 MHz subblock in an 80/160/320 MH PPDU is nonpunctured and the entire 80 MHz subblock is used for an RU or as part of an RU or MRU, the 80 MHz subblock uses a 996-tone RU as shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU). Otherwise, the 80 MHz subblock uses the tone plans shown in Figure 36-4 (RU locations in an 80 MHz EHT PPDU) excluding the 996-tone RU.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 1283 | 36.3.2.1 | 176 | 25 | P175L43-48 is already normative and describes this same tone plan | Convert P176L25-33 to a NOTE | ACCEPTED |