IEEE P802.11
Wireless LANs

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| **TGbe D0.3 Comment Resolutions for 36.3.2.4 and 36.3.12.9 Pilot subcarriers** |
| **Date:** 2021-03-22 |
| **Author(s):** |

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Abstract

This submission proposes resolutions for comments of TGbe D0.3 with the following 6 CIDs:

1251, 1590, 1591, 1996, 2606 and 3042

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Add CID 2606 by Editor Edward’s request

#### *CIDs 1251, 1590, 1591, 1996, 2606 and 3042*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1251 | 36.3.2.4 | 194.43 | “If pilot subcarriers are present in the EHT-LTF field of an EHT PPDU, then,”. Need to explicitly states that no pilot for 1x EHT LTF | as in comment | RevisedTGbe Editor: Incorporate the changes in [https://mentor.ieee.org/802.11/dcn/21/11-21-0310-00-00be-cr-for-36-3-2-4-and-36-3-12-9-pilot subcarriers.docx](https://mentor.ieee.org/802.11/dcn/21/11-21-0310-00-00be-cr-for-36-3-2-4-and-36-3-12-9-pilot%20subcarriers.docx) |
| 1590 | 36.3.12.9 | 304.11 | In Table 36-41 to Table 36-48, what is the purpose of "(OFDM/non-OFDMA)" in the first column and the first low? I don't see it is necessary. Delete it. | See the comment. | Accepted |
| 1591 | 36.3.12.9 | 306.48 | In 320MHz, there are four 996 RUs. | In Table 36-46, change "i=1,2,4" to "i=1:4". | Accepted |
| 1996 | 36.3.12.9 | 306.48 | The index i for 320MHz of Table 36-46-Pilot indices for a 996-tone RU transmission is wrong. i =1, 2, 4 should be changed as i = 1:4 to cover total four 996-tone RUs. Also for consistency with other Tables, suggest to change 160 MHz, i = 1,2 as 160 MHz, i = 1:2 in upper row of the same Table. | As in comment. | Accepted |
| 2606 | 36.3.2.4 | 194.43 | Needs to be clarified that pilots are not present in 1x EHT-LTF, and are present in 2x and 4x EHT-LTFs in the section on "Pilot subcarriers". | Edit as follows:If pilot subcarriers are present in the EHT-LTF field of an EHT PPDU, then, For an EHT TB PPDU with 1x EHT-LTF, pilot subcarriers are not present in the EHT-LTF field. For an EHT PPDU withﾠ4x EHT-LTF or 2x EHT-LTF, the pilot subcarrier locations in the EHT-LTF field are the same as the pilot subcarrier locations in the Data field. | RevisedTGbe Editor: Incorporate the changes in [https://mentor.ieee.org/802.11/dcn/21/11-21-0310-00-00be-cr-for-36-3-2-4-and-36-3-12-9-pilot subcarriers.docx](https://mentor.ieee.org/802.11/dcn/21/11-21-0310-00-00be-cr-for-36-3-2-4-and-36-3-12-9-pilot%20subcarriers.docx) |
| 3042 | 36.3.2.4 | 194.43 | "If pilot subcarriers are present in the EHT-LTF field of an EHT PPDU, then," we don't need this sentence because pilot tones are always present for 4x and 2x EHT-LTF. | as commented | RevisedTGbe Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0310-00-00be-cr-for-36-3-2-4-and-36-3-12-9-pilot subcarriers.docx |

*TGbe Editor: Please make the following changes in 194.43 of D0.3:*

 For an EHT TB PPDU with 1x EHT-LTF, pilot subcarriers are not present in the EHT-LTF field. For and EHT PPDU with a 4x EHT-LTF and 2x EHT-LTF, the pilot subcarrier locations in the EHT-LTF field are the same as the pilot subcarrier locations in the Data field.

**References:**

**[1] 802.11be D0.3**