IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CC36 Comment Resolution on U-SIG Part 1 | | | | | | Date: 2021-07-12 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Alice Chen | Qualcomm |  |  | alicel@qti.qualcomm.com | | Sameer Vermani | Qualcomm |  |  | svverman@qti.qualcomm.com | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for the following comments from the CC36 on P802.11be D1.0: Comments in 36.3.12.7.3.

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version. Resolve CIDs 4848, 5002, 8105.

# CID 4848, 5002, 8105

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 8105 | 36.3.12.7.3 | 423.60 | delete the setence which is redundant considering the description in the U-SIG tables. Moreover there is no destrictions on the common field and User Block field in EHT-SIG. better to delete it or add the similar descripion to CRC calulation in EHT-SIG | as in comment | Revised.  The bit range for each CRC computation in U-SIG and EHT-SIG has been described in the description of the corresponding CRC field in U-SIG and EHT-SIG. Including such information in subclause 36.3.12.7.3 (CRC computation) is redundant. The main message in the CRC computation subclause is to say that the CRC computation in U-SIG and EHT-SIG uses the same CRC computation as in 27.3.11.7.3. Therefore, propose to delete subclause 36.3.12.7.3 (CRC computation), and include this main message in the description of each CRC field in U-SIG and EHT-SIG. The original subclause 36.3.12.7.4 (Encoding and modulation) now becomes subclause 36.3.12.7.3. Revise the CRC field descriptions in U-SIG in 36.3.12.7.2 to say that the CRC computation uses same polynomial as in 27.3.11.7.3. This part of change is in 21/1078r0 (https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx). The changes to the CRC field descriptions in EHT-SIG in 36.3.12.8 are addressed in another PDT document 21/1148r1 (https://mentor.ieee.org/802.11/dcn/21/11-21-1148-01-00be-pdt-eht-sig-crc-reference.docx).  Note to editor: same resolution to CID 4848, 5002, 8105.  *Tgbe Editor: Please make changes for CID 8105 as shown in the following document*  [*https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx*](https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx) |
| 4848 | 36.3.12.7.3 | 423.60 | The same CRC computation is applied to EHT-SIG. so, add the description for the common field and user block field of EHT-SIG. | As in comment | Revised.  Propose to delete subclause 36.3.12.7.3 (CRC Computation) as in the resolution to CID 8105. No need to describe the common field and user block field of EHT-SIG in the U-SIG subclause.  Note to editor: same resolution to CID 4848, 5002, 8105.  *Tgbe Editor: Please make changes for CID 4848 as shown in the following document*  [*https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx*](https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx) |
| 5002 | 36.3.12.7.3 | 423.60 | Bit range of EHT-SIG for CRC calculation needs to be also specified since the first paragraph says the CRC computation applies to EHT-SIG as well as U-SIG. | See the comment. | Revised.  Propose to delete subclause 36.3.12.7.3 (CRC Computation) as in the resolution to CID 8105. No need to describe the common field and user block field of EHT-SIG in the U-SIG subclause.  Note to editor: same resolution to CID 4848, 5002, 8105.  *Tgbe Editor: Please make changes for CID 4848 as shown in the following document*  [*https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx*](https://mentor.ieee.org/802.11/dcn/21/11-21-1078-00-00be-cc36-comment-resolution-on-u-sig-part-1.docx) |

***Instructions to the editor:***

**Please make the changes to P413L11-L15 (in Table 36-28) as shown below:**

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| --- | --- | --- | --- | --- |
| **Two parts of U-SIG** | **Bit** | **Field** | **Number of bits** | **Description** |
| **U-SIG-2** | B16–B19 | CRC | 4 | CRC for bits 0–41 of the U-SIG field. Bits 0–41 of the U-SIG field correspond to bits 0–25 of U- SIG-1 followed by bits 0–15 of U-SIG-2. The CRC computation uses the same polynomial as that in 27.3.11.7.3 (CRC computation). |

***Instructions to the editor:***

**Please make the changes to P422L17-L23 (in Table 36-31) as shown below:**

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| **Two parts of U-SIG** | **Bit** | **Field** | **Number of bits** | **Description** |
| **U-SIG-2** | B16–B19 | CRC | 4 | CRC for bits 0–41 of the U-SIG field. Bits 0–41 of the U-SIG field correspond to bits 0–25 of U- SIG-1 followed by bits 0–15 of U-SIG-2. The CRC computation uses the same polynomial as that in 27.3.11.7.3 (CRC computation). |

***Instructions to the editor:***

**Please make the changes to P423L43-L48 (in Table 36-32) as shown below:**

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| --- | --- | --- | --- | --- |
| **Two parts of U-SIG** | **Bit** | **Field** | **Number of bits** | **Description** |
| **U-SIG-2** | B16–B19 | CRC | 4 | CRC for bits 0–41 of the U-SIG field. Bits 0–41 of the U-SIG field correspond to bits 0–25 of U- SIG-1 followed by bits 0–15 of U-SIG-2. The CRC computation uses the same polynomial as that in 27.3.11.7.3 (CRC computation). |

**Please make the changes to P423L53-P424L1 as shown below:**

## Encoding and modulation