### IEEE P802.11 Wireless LANs

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| 11be D1.0 CR on 36.3.12.8.6 | | | | |
| Date: 2021-07-26 | | | | |
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Abstract

This submission proposes resolutions on the following 9 CIDs related to EHT-SIG encoding and modulation for 11be D1.0.

CIDs: 4861,7227,7228,4862,4863,8126,4677,8127,8128

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Revision Notes

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| --- | --- |
| R0 | Initial revision |
| R1 | Updated proposed text changes according to 11be D1.1 |
| R2 | Updated according to telecom discussions |
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Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbe D1.1 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D1.1 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.***

## CID 4861

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 457.46 | 36.3.12.8.6 | Change only User field with only one User field | As in comment | Rejected.  The only User field actually means a single User field. |

## CID 7227

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 458.24 | 36.3.11.8.6 | "In terms of EHT-SIG for OFDMA transmission, for EHT-SIG content channel c (c = 1 to 2) in 80 MHz subblock l, the complex number assigned to the k-th data subcarrier of the n-th symbol is denoted d\_k,n,c^l.". Sentence is a bit convoluted. | Change "In terms of EHT-SIG for OFDMA transmission, for EHT-SIG content channel c (c = 1 to 2) in 80 MHz subblock l, the complex number assigned to the k-th data subcarrier of the n-th symbol is denoted d\_k,n,c^l." to "For EHT-SIG for OFDMA, d\_k,n,c^l denotes the complex number assigned to the k-th data subcarrier of the n-th symbol in content channel c and frequency subblock l." Similar changes in next two sentences. | Revised  Agreed that rewording is necessary to make it clear.  Instruction to the editor, please incorporate the changes as shown in 21-1231r1 (<https://mentor.ieee.org/802.11/dcn/21/11-21-1231-01-00be-11be-d1-0-cr-on-36-3-12-8-6.docx>), under CID 7227. |

***TGbe editor: Change the text on P508L24 of 11be D1.1 as follows*** (#CID7227)

In EHT-SIG for OFDMA transmission, denotes the complex number assigned to the k-th data subcarrier of the n-th symbol in EHT-SIG content channel *c* (*c* = 1 to 2) and 80 MHz frequency subblock *l*. In EHT-SIG for non-OFDMA transmission to multiple users, denotes the complex number assigned to the k-th data subcarrier of the n-th symbol in EHT-SIG content channel *c*. In EHT-SIG for non-OFDMA transmission to a single user, denotes the complex number assigned to the k-th data subcarrier of the n-th symbol in a single content channel. …

## CID 7228

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 458.32 | 36.3.11.8.6 | Start new line before "The time domain waveform ..." | See comment | Accepted. |

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## CID 4862

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 458.53 | 36.3.12.8.6 | In equation (36-24), Gamma should change with lower case | change upper case Gamma with low case gamma in 36-24 | Rejected.  Phase rotation used in EHT-SIG is different from that used in legacy preamble. |

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## CID 4863

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 459.01 | 36.3.12.8.6 | The Upper case gamma should be modified to the lower case gamma. | change upper case Gamma with low case gamma | Rejected.  Phase rotation used in EHT-SIG is different from that used in legacy preamble. |

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## CID 8126

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 460.58 | 36.3.11.8.6 | add italic c after same index to improve the text. It can help what index is in the Equation 36-24 | as in comment | Accepted. |

## CID 4677

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 461.01 | 36.3.12.8.6 | "but shall carry the same information in different 80 MHz subblocks for EHT-SIG for non-OFDMA transmission to multiple user" doesn't sound like what was intended | Try "but shall carry the same information within each 80 MHz subblocks for EHT-SIG for non-OFDMA transmission to multiple users" | Rejected.  The original sentence is correct. |

## CID 8127

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 461.55 | 36.3.11.8.6 | add italic c after same index to improve the text. It can help what index is in the Equation 36-24 | as in comment | Accepted. |

## CID 8128

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 463.01 | 36.3.11.8.6 | Instead of a single EHT-SIG content channel, better to use "with the EHT-SIG content channel 1" or " with the EHT-SIG content channel c (c=1)" | as in comment | Rejected  For non-OFDMA transmission to a single user, there is no definition on content channel index c. See resolution on CID 7227. |