### IEEE P802.11 Wireless LANs

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| 11be D1.0 CR on 36.3.12.8.6 | | | | |
| Date: 2021-07-23 | | | | |
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Abstract

This submission proposes resolutions on the following 10 CIDs related to EHT-SIG encoding and modulation for 11be D1.0.

CIDs: 4860, 4861,7227,7228,4862,4863,8126,4677,8127,8128

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Revision Notes

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| R0 | Initial revision |
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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 D1.01 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D1.01 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 4860

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| **Page. Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 457.42 | 36.3.12.8.6 | For the use of consistent terminology, change all "coded block"in this subclause with "Encoding Block". | As in comment | Accepted |

## 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 | Accepted |

## 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 making the changes as shown in 11/21-1231r0, under CID 7227. |

***TGbe editor: Change the text on P480L24 as follows*** (#CID7227)

In terms of EHT-SIG for OFDMA transmission, denotes the complex number assigned to the k-th data subcarrier of the n-th symbol in content channel *c* and 80 MHz frequency subblock *l*. In terms of 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 content channel *c*. In terms of 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 | Accepted. |

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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 | Revised  Agreed in principle.  Instruction to the editor, please making the changes as shown in 11/21-1231r0, under CID 4863. |

***TGbe editor: Change all the upper case gamma highlighted below to the lower case gamma on P481L1*** (#CID4863)

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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" | Revised  Agreed in principle.  Instruction to the editor, please making the changes as shown in 11/21-1231r0, under CID 4677. |

***TGbe editor: Change the text on P482L52 as follows*** (#CID4677)

(#2813)(#3108)For OFDMA transmission and non-OFDMA transmission to multiple users, a 160 MHz PPDU contains two EHT-SIG content channels for each of the two 80 MHz subblocks(#1279), each of which is duplicated as shown in Figure 36-45 (EHT-SIG content channels and their duplication in a 160 MHz PPDU for OFDMA transmission and non-OFDMA transmission to multiple users) according to Equation (36-24) and 36.3.12.8.2 (EHT-SIG content channels). EHT-SIG content channels with the same index may carry different information in different 80 MHz subblocks for EHT-SIG for OFDMA transmission but shall carry the same information within each 80 MHz subblock (#1279) for EHT-SIG for non-OFDMA transmission to multiple users.

***TGbe editor: Change the text on P483L50 as follows*** (#CID4677)

(#3108)(#1279)For OFDMA transmission and non-OFDMA transmission to multiple users, a 320 MHz PPDU contains two EHT-SIG content channels for each of the four 80 MHz subblocks, each of which is duplicated as shown in Figure 36-46 (EHT-SIG content channels and their duplication in a 320 MHz PPDU for OFDMA transmission and non-OFDMA transmission to multiple users) according to Equation (36-24) and 36.3.12.8.2 (EHT-SIG content channels). EHT-SIG content channels with the same index may carry different information in different 80 MHz subblocks for EHT-SIG for OFDMA transmission but shall carry the same information within each 80 MHz subblock for EHT-SIG for non-OFDMA transmission to multiple users.

## 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 | Revised  agreed in principle.  Instruction to the editor, please making the changes as shown in 11/21-1231r0, under CID 8128. |

***TGbe editor: Change the text on P485L1 as follows*** (#CID8128)

For EHT-SIG for non-OFDMA transmission to a single user or EHT sounding NDP, an EHT MU PPDU has a single EHT-SIG content channel *c* (*c* = 1) regardless of the PPDU bandwidth, which is duplicated on every 20 MHz subchannel.