IEEE P802.11
Wireless LANs

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| CC36 CR on CID 6998 |
| Date: 2021.09.09 |
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Abstract

This submission contains proposed comment resolutions to comments on P802.11be D1.0. The changes are based on P802.11be D1.2. The resolutions also rely on DCN 1546r1 which was recently accepted.

1 comment is resolved: CID 6998.

# Revision Notes

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| --- | --- |
| R0 | Initial revision |
| R1 | Changed the text to reflect changes to the Special User Info Field as indicated in 1546r1 and a harmonized resolution |
| R2 | Added Dot11EHTBaselineImplementedFeatures to last paragraph |
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## CID 6998

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| --- | --- | --- | --- | --- |
| Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 103.42 | 9.3.1.22.1.3 | Using Disregard sequence of all 1s in the U-SIG field of a TB PPDU leads to un-necessarily high PAPR of the U-SIG symbols, which is higher (significantly) than the PAPR of the data and L-SIG symbols. Since these bits are undefined, need to define them such that they yield low PAPR. | Set bits B25-B30, B32-B36 of the Special User Info field '0 1 1 1 1 0 1 1 0 1 1' if dot11EHTBaseLineFeaturesImplementedOnly is set to true. I will bring a proposal to discuss this. | **Revised.**Though the suggested sequence does reduce the PAPR consistently, the sequence of ‘1 1 1 1 1 1 1 1 1 1 0’ yields a similar PAPR reduction –reducing the maximum PAPR, and is suggested instead. A harmonized suggestion is incorporated in the revised text below.TGbe editor: Please revise the text as in 11-21-1473r2. |

TGbe editor: please modify the following text above Figure 9-64f3a in Subsection 9.3.1.22.1.2.3 (Special User Info Field):

The U-SIG Disregard And Validate subfield carries the value to be included in the Disregard and Validate subfields of the U-SIG field of the solicited EHT TB PPDUs. The U-SIG Disregard And Validate subfield is further divided into three subfields as shown in Figure 9-64f3a. The mapping from the subfields in the U-SIG Disregard And Validate subfield to the subfields in the U-SIG field for an EHT TB PPDU is defined in [Table 9-29j4 (Mapping from](file:///C%3A%5CUsers%5Cs00408134%5CDownloads%5C11-21-1546-01-00be-cr-trigger-frame-special-user-info-field.docx#bookmark40) [Special User Info field to U-SIG-1 and U-SIG-2 fields in the EHT TB PPDU)](file:///C%3A%5CUsers%5Cs00408134%5CDownloads%5C11-21-1546-01-00be-cr-trigger-frame-special-user-info-field.docx#bookmark40). The Validate In U-SIG-2 subfield is set to 1. The values of the Disregard In U-SIG-1 and Disregard In U-SIG-2 subfields are defined in 35.4.2.2.4 (Allowed settings of the Trigger frame fields and TRS Control subfield).

B25 B30 B31 B32 B36

|  |  |  |
| --- | --- | --- |
| Disregard In U-SIG-1 | Validate In U-SIG-2 | Disregard In U-SIG-2 |

Bits: 6 1 5

**Figure 9-64f3a—U-SIG Disregard And Validate subfield format**

**Table 9-29j4—Mapping from Special User Info field to U-SIG-1 and U-SIG-2 fields in the EHT TB PPDU**

|  |  |
| --- | --- |
| **Subfields in the Special User Info field** | **Action to receiving STA** |
| Disregard In U-SIG-1 (B25–B30) | Copy to the Disregard subfield of U-SIG-1 (B20–B25 of U-SIG-1) |
| Validate In U-SIG-2 (B31) | Copy to the Validate subfield of U-SIG-2 (B2 of U-SIG-2) |
| Disregard In U-SIG-2 (B32–B36) | Copy to the Disregard subfield of U-SIG-2 (B11–B15 of U-SIG-2) |

TGbe editor: please add the following paragraph to Subsection 35.4.2.2.4 (Allowed settings of the Trigger frame fields and TRS Control subfield):

**35.4.2.2.4 Allowed settings of the Trigger frame fields and TRS Control subfield**

An EHT AP may transmit a Trigger frame that solicits an EHT TB PPDU from an EHT STA subject to the rules defined in 26.5.2.2 (Rules for soliciting UL MU frames) and the additional rules defined below.

An EHT AP that includes the Special User Info field in a Trigger frame shall set all bits of the Disregard In U-SIG-1 subfield (B25-B30 of the Special User Info field) and all but the last bit of the Disregard In U-SIG-2 subfield (B32-B35 of the Special User Info field) to 1, if dot11EHTBaseLineFeaturesImplementedOnly is equal to true. The last bit of the Disregard In U-SIG-2 subfield (B36 of the Special User Info field) is implementation-specific and should be set to 0 if dot11EHTBaseLineFeaturesImplementedOnly is equal to true.