IEEE P802.11
Wireless LANs

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| Comment resolution for CID 11036 on SB 02 |
| Date: August-28-2013 |
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Abstract

This submission contains the proposed comment resolution for CID 11036 on TGac D6.0 Sponsor Ballot.

R0: Initial Version

| **CID** | **Commentor** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| --- | --- | --- | --- | --- | --- |
| 11036 | Schelstraete, Sigurd | 269.25 | 22.3.8.3.3 | STBC field also has different mapping for SU and MU | Add STBC to the list of fields for which the mapping is different for SU and MU PPDUs |

**Context:**

At 269.20: (**22.3.8.3.3 VHT-SIG-A definition**)

The VHT-SIG-A field contains the fields listed in Table 22-12 (Fields in the VHT-SIG-A field). The mapping of the fields is also described in Table 22-12 (Fields in the VHT-SIG-A field). Note that the mapping of the NSTS/Partial AID field, the SU/MU[0] Coding field, the SU VHT-MCS/MU[1-3] Coding field, and the Beamformed field is different for SU and MU PPDUs.

**Discussion:**

Each definition of “NSTS/Partial AID”, “SU/MU[0] Coding”, “SU VHT-MCS/MU[1-3] Coding”, and “Beamformed” fields has two conditions for VHT SU and MU PPDUs). The phrase of ”different for SU and MU PPDUs” corresponds to that description.

(At 271.14: An example of the SU/MU[0] coding field)

**Table 22-12—Fields in the VHT-SIG-A field**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **Field** | **Number of bits** | **Description** |
| B10-B21 | NSTS/Par-tial AID | 12 | For a VHT MU PPDU: NSTS is divided into 4 user posi-...For a VHT SU PPDU:B10-B12Set to 0 for 1 space time stream... |
| B2 | SU/MU[0]Coding | 1 | For a VHT SU PPDU, B2 is set to 0 for BCC, 1 for LDPCFor a VHT MU PPDU, if the MU[0] NSTS field is nonzero,... |
| B4-B7 | SU VHT-MCS/MU[1-3] Coding | 4 | For a VHT SU PPDU:VHT-MCS indexFor a VHT MU PPDU:If the MU[1] NSTS field is nonzero, then B4 indicates... |
| B8 | Beamformed | 1 | For a VHT SU PPDU:Set to 1 if a Beamforming steering matrix is applied to the...For a VHT MU PPDU:Reserved and set to 1... |

As well as the four fields, the definition of STBC also has SU and MU conditions. It should be included in the case that the mapping is different for SU and MU PPDUs.

(At 270.11)

**Table 22-12—Fields in the VHT-SIG-A field**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **Field** | **Number of bits** | **Description** |
| B3 | STBC | 1 | For a VHT SU PPDU: Set to 1 if space time block coding is used and set to 0otherwise.For a VHT MU PPDU: Set to 0. |

**Proposed resolution to CID 10089:**

Revised. <This document> provides proposed text change.

**Proposed text change:**

At 269.22: (**22.3.8.3.3 VHT-SIG-A definition**)

Note that the mapping of the STBC field, the NSTS/Partial AID field, the SU/MU[0] Coding field, the SU VHT-MCS/MU[1-3] Coding field, and the Beamformed field is different for SU and MU PPDUs.