IEEE P802.11
Wireless LANs

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| D0.1 Comment Resolution – CID 1649 |
| Date: 8 May 2011 |
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Abstract

This document provides resolution for CID 1649.

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| **CommentID** | **Subclause** | **Page** | **Line** | **Comment** | **SuggestedRemedy** | **Response** |
| 1649 | 22.3.11.1 | 115 | 61 | It may be better to fill the blank in Table 22-12 | Fill this blank with the expression "see Table 17-6ac" | Counter: Instead of the previous suggestion in 388r0 in Singapore meeting, newly suggest for VHT frames we do something similar to other frames: i.e. in the TX/RXVECTOR, the same expression with only small modification to the number of reserved bits (from 7bits to 1bit). |

<Discussion>

In Singapore meeting in March 2011, I originally suggested to fill this blank in Table 22-12 with the expression "see Table 17-6ac" to try to resolve ambiguity about its function, assuming scrambler initialization is well-defined in section 17 (“11-11-0388-00-00ac-comments-resolution-cid-1648-1649-1654-1655”).

But, after looking at Table 17-6ac, which includes BW indication, I realized that is the wrong direction. We need that exceptional behavior in clause 17, not in clause 22 just referencing clause 17, that is, if we just reference 17.3.5.2 here, neither leaves room for the VHT-SIG-B CRC8 which is the change in the 11ac. I note that for other frames such as “NON\_HT\_MODULATION is OFDM” and “FORMAT is HT\_MF or HT\_GF” we already have this kind of expression such as “Scrambler initialization, 7 null bits + 9 reserved null bits” in the TX/RXVECTOR. So, I newly suggest for VHT frames we do something similar: i.e. in the TX/RXVECTOR, with only small modification to the number of reserved bits (from 7bits to 1bit).

**TGac editor: modify D0.4 P96L34--44, as follows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Condition** | **Value** | **TXVECTOR** | **RXVECTOR** |
| SERVICE | FORMAT is NON\_HTand NON\_HT\_MODULATION is OFDM | Scrambler initialization, 7 zero bits + 9 reserved zero bits | Y | N |
| FORMAT is HT\_MF or HT\_GF | Scrambler initialization, 7 zero bits + 9 reserved zero bits | Y | N |
| FORMAT is VHT | Scrambler initialization, 7 zero bits + 1 reserved zero bit | Y | N |
| Otherwise | Not present | N | N |

**TGac editor: modify D0.4 P140L46--65, as follows**

#### 22.3.11.2 SERVICE field

The SERVICE field is as shown in Table 22‑12 (SERVICE field).

Table 22‑12--SERVICE field

|  |  |  |
| --- | --- | --- |
| **Bits** | **Field** | **Description** |
| B0-B6 | Scrambler Initialization | Set to the scrambler initialization bits in the SERVICE parameter in the TXVECTOR |
| B7 | Reserved | Set to the reserved bit in the SERVICE parameter in the TXVECTOR |
| B8-B15 | CRC | CRC calculated over VHT-SIG-B (excluding tail bits) |

The Reserved and CRC fields shall be scrambled.