IEEE P802.11
Wireless LANs

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| CC35 CIDS 41, 46, 47 |
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Abstract

This submission proposes resolutions for the following comments from comment collection 35 on P802.11-REVmeD0.0:

41, 46, 47

**Revision History:**

R0: Initial version

# CID 41

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 41 | 23.3.12.2.4 | Industry has experienced some confusion in implementing the bit ordering of the scrambler initialization value in the NDP Ack. The specification does not need to change but we really could use a test vector somewhere in the appendices showing a packet and NDP Ack with known scrambler value and FCS bits etc. | Add a test vector for an 802.11ah 2MHz direct addressed packet with known scrambler and FCS field following by NDP Ack to the appendices. |

## Discussion:

Reject: Insufficient detail. Note that industry has added the ability to decode an NDP Ack to sniffer tools so a test vector may no longer be considered necessary.

# CID 46

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 46 | 23.3.17.1 | The term "interim transmit spectral mask" was introduced by 802.11ac but is not defined anywhere. Use of the word interim suggests that the current masks are somehow temporary. | Provide a definition for interim transmit spectral mask. |

## Discussion:

Reject: Insufficient detail

# CID 47

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 47 | 23.3.17.1 | There are a number of 802.11ah related PPDU definitions in section 3.2, such as 2 MHz mask physical layer (PHY) protocol data unit (PPDU), which is defined as a PPDU that is transmitted using the 2 MHz transmit spectral mask defined in Clause 23 (Sub 1 GHz (S1G) PHY specification) etc. These definitions don't seem to be used in Clause 23 but they are necessary to understand the spectral mask that is used when transmitting in a lower or upper sub channel of an operating channel. In section 23.3.17.1 (Transmit spectrum mask) the term "interim transmit spectral mask" is used. The term "interim transmit spectral mask" was introduced by 802.11ac but is not defined anywhere. Is "interim transmit spectral mask" meant to be replaced by the various 1/2/4/8/16 MHz mask physical layer (PHY) protocol data units (PPDUs) which are defined in Section 3.2? We speculate that these definitions were introduced to avoid the upper and lower channel offsets that are used in the 802.11n spectral mask definitions but the work is not complete. | Perhaps the 802.11ah PPDU mask definitions in section 3.2 should be moved to section 23.3.17.1 and referenced in that section. |

## Discussion:

Reject: Insufficient details

**References:**