IEEE P802.11  
Wireless LANs

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| CIDs 7577, 7405, 7584 and 7805 | | | | |
| Date: 3/10/2016 | | | | |
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|  |  |  |  |  |

Abstract

This document discusses CIDs 7577, 7405, 7584 and 7805.

CID 166

# CID 7577

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7577 | 1051 | 8 | 9.4.2.158.2 | It says "Set to 1 if supported and SU Beamformee Capable is set to 1." | Change to "Set to 1 if supported, SU Beamformee Capable is set to 1 and not sent by an AP." |

The CID is about the description of the “MU Beamformee Capable” bit in the VHT Capabilities Information field:



The bit is set to zero if any of the following is true:

* MU not supported OR
* SU BFee capable set to 0 OR
* Sent by the AP

The negation of this would be:

* MU supported AND
* SU BFee capable set to 1 AND
* not sent by AP

The third part is missing in the current conditions for setting to bit equal to 1. There are other places in the document that make it explicit that only APs can be MU Beamformers and only non-AP STAs can be MU Beamformees, but it may be better to explicitly add the condition for completeness.

**Proposed resolution:**

Accept

# CID 7405

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7405 | 21.2.5.3 | 2506 | 13 | You need to use 20U if the prim is above the sec | Change < to > |

This comment is about transmission of a 20 MHz HT PPDU in a 40 MHz channel:



A 20 MHz HT PPDU should be sent in the primary 20 MHz channel.

CH\_OFFSET is defined below:



The current text therefore instructs a 20 MHz HT PPDU to be transmitted in the secondary 20 MHz, which is incorrect.

**Proposed resolution:**

Accept

# CID 7584

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7584 | 2588 | 45 | 21.3.18.5.1 | "The thresholds in this subclause are compared with the signal level at each receiving antenna." -- why is this not stated for the HT PHY | Add a similar statement to the HT PHY |

The section in question is highlighted below.



The comparable section for HT is copied below:



The statement about where to establish the signal levels is missing. Given the similarities between the two sections, it makes sense to add the requirement in 21.3.18.5.1 to HT as well.

**Proposed resolution:**

Accept

# CID 7805

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7805 | 1168 | 61 | 9.6.12.1 | The CSI, Noncompressed Beamforming, Compressed Beamforming and ASEL Indices Feedback frames are an Action or an Action No Ack frame of category HT. And, the Time Priorities of those frames (Table 9-328) are Yes. Since TGah received a comment asking a clarification of a time priority field of some TGah action frame, TG discussed it. And TG concluded that only Action No Ack frame is eligible for the Time Priority frame. So, TGah has agreed to add the following condition. "Time Priority" "Yes when transmitted as an Action no Ack frame"  But, if this resolution is correct, the same modification is needed for Table 9-328. | In Table 9-328, Add the following condition for the CSI, Noncompressed Beamforming, Compressed Beamforming and ASEL Indices Feedback frames - Yes when transmitted as an Action no Ack frame |

The changes indicated by the commenter have indeed been made in 11ah. See for instance the below table from draft D6.0 of 802.11ah;



**Proposed resolution:**

Accept